

1995 Documents

IEEE Neural Networks Council

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The Robert J. Marks II Library Archive

The IEEE Neural Networks Council is now the IEEE Computational Intelligence Society

These documents are raw scans. There is no attempted organization.
Some year's files may be misplaced in files of adjacent years.

	Date Requested	Advance Amt Requested	For	Rec'd	Letter/Exp Acct Completed	Amt Requested	Exp Acct Reim'd	
1994								
to Wayne State Ken Klein	12/26 for bottle	500	AdCom Dallas	500 2/17	1/13/94	1204	dc	
to Bonissone			WCCI Orlando		1/27	580.18 500 80.18	80.18	3/1
Swamy Latminarayana	1/16	\$750	DEPSCOR Reimbursement	1/27/94	2/28	302.75	302.75	4/1
Nichole Christine Alaw	2/14		Travel + honorarium		2/14	961.00	961.500	2/1
	2/25	91.82	pane conf.	8/28	2/25	91.82	91.82	
Swamy Latminarayana	2/28		WCCI Louis ville		2/28	433.81	4/11/94	
Swamy	3/3		Rec. Services	two checks needd	3/3	276.17	276.17	4/18
					3/3	1212.71	1129.08	2/1
							83.63	2/1
Bonissone	4/5		IEEE TNN		4/5 (4/8 on letter)	753.59	6/7/94	
Greg Kostairch	4/5		ISCAS documentation filed in ISCAS		4/5	86.88	5/20	
Greg Kostairch	5/12	\$750	ISCAS Advance	5/20	6/15	131.26	7/8	
Bonissone	7/12		WCCI Orlando		7/12	856.65	8/29	
	8/8		Follow up for sec fees 3/3 shipping to Dudley Kay			105.29	9/14	
Bonissone	8/17		TNN Editor		8/10	265.81	11/15/94	
C. Alaw	8/17		Conference Call CIFE		8/10	272.17	10/18	
Bonissone	10/4		San Antonio		10/4	892.83	11/7/94	
	11/14		Cost in Italy		11/14	691.00	11/14	back trans
Bonissone	11/16		TNN Expenses		11/16	275.21	11/19/95	
C. Alaw	11/30		CIFE Org Mtg.		11/30	364.	12/8	
Greg K	12/9		ISCAS Sec Services		12/9	3000	3/24 3/24	
Greg K	12/23/93		ISCAS Phone calls		12/23	126.27	1/7/95	
					given to Brian		1/18	
Greg K	1/24/93		ISCAS Meeting room charges		1/24	22.50	3/16/95	

-2-

	Date Requested	Advance Amt Requested	for	Rec'd	Exp Acct Completed	Amt Requested	Exp Acct Reimb Rec'd
	11/18		Neuronic TAB Mtg Council		11/18	662.82	2/1/93
to Roy Nutter	12/26		Items related to TNN			359.30	2/9/93
to Dmitry Kaplan	letter 9/1/92		Items related to URAS			278.84	1/31/93
to Roy Nutter	12/23 1993		Scottsdale TAB Mtg		12/23	877.59	2/12/93
to RNutter	2/1/93		Organization WCCI		2/1/93	735.11	3/12/93
		750.00	FUZLIE San Francisco	4/5/93	4/20	64.00	2/6/95
to RNutter	4/6/93	280.59	Editor TNN exp	5/11/93	4/6	580.59	5/93
to RNutter	6/29	735.11	Editor TNN exp		6/29	793.91	8/2/92
to RNutter			Past Pres expenses		letter 8/12/93	\$320.29	6/7/14 ←
to Greg Koskovich	5/20		ISCAS Chicago ^{documentation filed in} Scottsdale ISCAS		5/20 8/2/93	878.35	9/1
			Editorial expenses TNN		letter	233.33	7/30
			Expenses reimbursement TNN		letter	174.87	"
to Roy Nutter	8/30		Past President		letter	228.53	pd 9/24/93 ck 40583
	8/31		TNN Editor expenses		letter	\$313.42	9/24
letter to Kaplan	10/14		URAS Conf expenses		10/14	144.03	11/15/93
letter to Nutter	10/21		TNN Editor expenses			171.69	pd 12/22/93 ck 45349
letter to Ozgoren					11/1/93	\$554	12/20/93
letter to Nutter					11/1/93	545.72	12/29/93
letter to Nutter	12/14 (Nutter to Press 12/29)					\$105.80	pd 1/28/94 #ck 47321
letter to Nutter	12/30		IEEE Directory			\$64.95	2/1/94

Date Requested	Ant	For	Rec'd	Exp Acct Completed	Request	Exp Acct Rec'd	
<u>1991</u> 11/13	438.45	Fax invitation Conf call	12/19				
Wagner 11/13	23.36	FAX to Puma	12/19				
12/6	\$1,394.84	Mexico Concurs	1/15/92				
12/15	\$510.69	Conf. Call Singapore China Phone Call, Film Film development	1/29/92				
12/26	9.90 136.27 70.16 <u>216.33</u> Total	printing Transaction Review phone calls	1/31/92				
12/23	\$905	Secretarial Services	3/18/92				
<u>1992</u> 1/2	157.23	Singapore / Tokyo trip	1/31/92				
2/4	500.00	Advance for San Diego Ad Comm	2/21/92	3/26 \$132.57		4/27/92	
2/21	316.32	Phone Calls	3/26/92				
2/27 4/21	\$500	Advance for Atlanta Apr 2-5	3/31/92	4/21 \$849.30	349.30	6/24	
2/18	838.47	Raleigh 1/17-1/19	3/31/92				
1	88.23	TeleConf Mtg Nom. Comm.	5/08/92				
5/17/92	500	Advance for AdCom at IJCNN	Issued 5/27/92 7109	6/16 1130.86	630.86	7/27	
5/21	622.86	TMC Meeting Piscataway	6/19				
7/30	500	Advance for TAB, Denver Sparks					sent e-mail to Nutter to cancel
9/14	2250	Advance for Beijing	10/27				
	118.01		9/24/92				
9/23	645.68	TMC Meeting	9/17, 18 Rec'd and Oct.				
10/1	107.33	Phone Calls	11/92				

UNIVERSITY OF WASHINGTON
SEATTLE, WASHINGTON 98195

Department of Electrical Engineering, Box 352500
Telephone: (206) 543-6990 (office), 543-6061 (secretary),
543-2150 (main office), 776-8995 (home), 543-3842 (FAX), 776-9297 (home FAX).
marks@ee.washington.edu

November 17, 1995

Professor Cihan H. Dagli, Conference Chairman
ANNIE '95
Engineering Management Department
University of Missouri - Rolla
Rolla, Missouri 65401

Dr. Dagli,

What a wonderful conference! I had a delightful time. Thank you for inviting me.

Enclosed are the expenses for my travel. I have receipts for items 1-5 and have numbered them.

1. Air fare	\$410.00
2. Hotel (2 nights)	\$187.14
3. Airport-Hotel Transportation (St. Louis)	\$ 15.00
4. Shuttle from Seattle Airport	\$ 23.00
5. Breakfast on Nov 14	\$ 8.92
6. Breakfast on Nov 15	\$ 9.32
7. Shuttle to Seattle Airport	<u>\$23.00</u>
	\$676.38

Please remit to the address on the letterhead.

I look forward to seeing you at next year's ANNIE.

Sincerely,



Robert J. Marks II
Professor

PASSENGER TICKET AND BAGGAGE CHECK SUBJECT TO CONDITIONS CONTAINED IN THIS TICKET
ISSUED BY TRANS WORLD AIRLINES CONJUNCTION TICKET(S)

ARC PASSENGER COUPON DATE OF ISSUE 26 OCT 95 ORIGIN/DESTINATION SEA/SEA
BOOKING REFERENCE 012720 ISSUED IN EXCHANGE FOR

PASSENGER NAME MARKS/ROBERT DR NOT TRANSFERABLE

STAND TRAVEL 95
PSCR CPN 160
SEA 06127-4/

FROM	CARRIER	FLIGHT	CLASS	DATE	TIME	STATUS	FARE BASIS/TKT. DESIGNATOR
SEATTLE TACOMA	TW	70	Q	13NOV	242P	OK	OCAWA
ST LOUIS INTL	TW	343	Q	15NOV	1126A	OK	OCAWA
SEATTLE TACOMA							
VOID							

FARE CALCULATION
USD 367.20 SEA TW STL 193.44 TW SEA 193.44 367.20 END 3FSEA STL 3

TAX 36.70US
TAX 3.00KF

FORM OF PAYMENT AX 778743601953007 10/95 TOUR CODE 1

TOTAL USD 410.00
A/C-AGT. INFO. 0011/
CONTROL NO. 65546374473

CPN AIRLINE CODE FORM SERIAL NUMBER CK
015 7768664310 1

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ROOM 1404 MARKS/ROBERT/J RATE 82.00 DEPART 11/15/95 TIME ACCT# 7228
TYPE NSK DEPT OF ELECTRICAL E ARRIVE 11/13/95 TIME 22:04 GROUP 313
80 UNIVERSITY OF WASHIN WA
SEATTLE WA
98195
ROOM CLERK ADDRESS PAYMENT HG#:

DATE	REFERENCE	CHARGES	CREDITS	BALANCE DUE
11/13	MOVIES	MOVIE		9.56
11/13	ROOM.	1404, 1		82.00
11/13	RM TX	1404, 1		5.62
11/13	CITY TAX	1404, 1		3.08
11/13	OCCUPTAX	1404, 1		2.87
11/14	ROOM.	1404, 1		82.00
11/14	RM TX	1404, 1		5.62
11/14	CITY TAX	1404, 1		3.08
11/14	OCCUPTAX	1404, 1		2.87

2

TO BE SETTLED TO: DISCOVER

196.70

3

AIRPORT EXPRESS
NONREFUNDABLE
(314)429-4950

11-13-95 21:08

C13 1111 56141

ROUND TRIP \$15.00
MARRIOTT PAV \$0.00
RETURN WED \$0.00
A.M. 930
CA \$15.00



GUEST RECEIPT

4

\$23

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5

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///// ST. LOUIS DOWNTOWN /////

126 BARNEY

TBL 26/1 CHK 5422 GST 1
NOV14'95 11:38AM

1 SAL & BKD POTATO 4.49
FR-NOFAT
1 O'DOULS 2.45
1 ICED TEA 1.29
1 NON-BEVERAGE 0.00

FOOD TOTAL 5.78
BAR TOTAL 2.45
TAX 0.69

11:50 TOTAL DUE 8.92

VALIDATE YOUR DISCOUNT PARKING

JOIN US FOR HAPPY HOUR M-F 4-7

** EVERYONE LOOKS FORWARD TO **
*** FRIDAYS ***

UNIVERSITY OF WASHINGTON
SEATTLE, WASHINGTON 98195

Department of Electrical Engineering, Box 352500
Telephone: (206) 543-6990 (office), 543-6061 (secretary),
543-2150 (main office), 776-8995 (home), 543-3842 (FAX), 776-9297 (home FAX).
marks@ee.washington.edu

November 13, 1995

Sandi Willingham
Department of Electrical Engineering
Texas Tech University
Box 43102
Lubbock, Texas 79409-3102

Dear Sandi,

Enclosed are receipts from my recent visit to Tech. Please send the reimbursement check to the address on the letterhead.

The receipts (except #0) are numbered.

0. I live 32 miles from the airport. (That's 64 miles round trip). Whatever Tech's per-mile reimbursement is is fine.

1. Rental Car (Okayed by Dr. Chau) -128.70.

2. Air Fare (\$650).

3. Hotel - The hotel put this on my card, but said they might bill you directly. The circled meals are for my wife and me and should be reimbursed. The non-circled meal prices should NOT be reimbursed.

4. Parking at the Seattle airport - \$28.40.

Thanks for your help.

Sincerely,



Robert J. Marks II
Professor

CURREY ENTERPRISES, INC. DBA

Robert J. Marks II

Library Archive

Budget



AN INDEPENDENTLY OWNED AND OPERATED BUDGET SYSTEM LICENSEE

BRAC OF LUBBOCK (DT)
1606 E. REGIS STREET
LUBBOCK, TX., 79403
1-806-765-6471



099359

INSURANCE CERTIFICATE NO. (TRUCKS ONLY)

CREDIT IDENTIFICATION OR BILLING INSTRUCTIONS
CREDIT CARD/DIRECT BILL NO./P.O. NO./EXP. DATE

LBB BRAC OF LUBBOCK LBB 00192923
RENTAL AGREEMENT NO.

DI 5011009670138606 09/98 /0
ARRIVAL DATE/METHOD/TIME/MP/CAR TYPE/C.A. OR U/RETURN DATE

REPLACEMENT ORIGINAL
COMM PERSONAL OWNING LOC. AMA

RENTER
ROBERT MARKS #232201
RESIDENCE
131 199TH ST
CITY/STATE/ZIP
LYNNWOOD WA 98036

VEHICLE NO. 562002 CE
LICENSE NO. RJL 41L
MAKE/MODEL PONTIAC GRAN PR

HOME PHONE D.O.B. RAPID ACTION NO.
08/25/90

REPL ORIG TIME IN 16590
TIME OUT 11/07/95 0255P
REPL ORIG TIME IN 16460
TIME OUT 11/05/95 1255P

LICENSE NO./EXP. DATE/STATE
MARKORJ501NS 08/25/96 WA

RENTAL TIME MILEAGE ALLOWANCE RATES
124 3600 800

COMPANY
UNIVERSITY OF WASHINGTON
COMPANY PHONE NO./CORPORATE NO.
206-543-6992 VII 24
LOCAL CONTACT/PHONE NO.
LUBBOCK PLAZA

MIN/MAX RENTAL PER HOUR HOURLY
N/A PER DAY DAILY
3 3600 10000

ADDITIONAL DRIVER/D.O.B.
NONE

PER WEEK WEEKLY
29997

LICENSE NO./EXP. DATE/STATE

PER MONTH MONTHLY

REMARKS
RENTER IS RESP FOR ALL GLASS AND WILDLIFE DAMAGE REG OF LDW

PER XTRA DAY EXTRA DAYS
N/A 9999 0 3600 000

DAMAGES:
OUT: SCRATCH L/PASS DR, BURN F SEAT
IN: SCRATCH L/PASS DR, BURN F SEAT

ATTENTION
• DAILY RATE IS BASED ON 24 HOUR DAY MINIMUM CHARGE
• DISCOUNT RATES ONLY FOR SPECIFIED PERIOD
• RATES DO NOT INCLUDE FUEL OR REFUELING CHARGE
TOTAL TIME/MILEAGE 10000
DISCOUNT TOTAL 000

ONLY DRIVERS AUTHORIZED BY BUDGET ARE PERMITTED TO OPERATE THE VEHICLE:
RENTER IS RESPONSIBLE FOR ALL INJURY AND DAMAGE CAUSED BY UNAUTHORIZED DRIVERS.

DUE DATE AUTHORIZED RETURN
11/07/95 BRAC OF LUBBOCK (DT)

RENTER PURCHASED FUEL AT TIME OF RENTAL (PARA. 10)
RETURN LOCATION CHARGE 000

LDW CARGO VEHICLE DAMAGE LIMIT: \$ (see paragraph 4B)
THEFT, VANDALISM AND DAMAGE TO RENTED VEHICLE: RENTER IS RESPONSIBLE FOR ALL LOSS AND DAMAGE AS DESCRIBED IN PARAGRAPH 4. RENTER MAY AVOID OR LIMIT THIS RESPONSIBILITY BY PURCHASING A LOSS DAMAGE WAIVER. RENTER'S PERSONAL AUTOMOBILE POLICY MAY PROVIDE COVERAGE FOR SUCH LOSS AND DAMAGE. A TEXAS PERSONAL AUTOMOBILE POLICY PROVIDES COVERAGE FOR THE LEGAL LIABILITIES OF THE POLICYHOLDER IN CONNECTION WITH THE LOSS OF OR DAMAGE TO A RENTED VEHICLE EXCEPT FOR DAMAGES CAUSED INTENTIONALLY; THEREFORE, IT MAY NOT BE NECESSARY FOR THE RENTER TO PURCHASE THE LOSS DAMAGE WAIVER. THE PURCHASE OF A LOSS DAMAGE WAIVER IS NOT MANDATORY. THE LOSS DAMAGE WAIVER IS NOT INSURANCE COVERAGE.

1.00 VLF @ 3.00 PER DAY 900
TAXABLE TOTAL 11700
SALES TAX AT 10.00% 1170

PERSONAL INJURY AND PROPERTY DAMAGE: Budget provides protection to the extent it is needed to meet the minimum financial responsibility limits and minimum no-fault benefits required by applicable law after payment of all insurance and protection available to the Authorized Driver as described in paragraphs 5 and 6.

OPTIONAL SERVICES: LDW for loss damage waiver, PAE for personal accident and effects insurance, PAC for personal accident and cargo insurance, ESP for emergency sickness protection, and SLI for supplemental liability insurance.

LDW 9.99/DY DECLINES
PAE 4.95/DY DECLINES
SLI /DY DECLINES

REFUELING CHG 97 1.25/GAL 000
TANK OUT: 8/8 TANK IN: 8/8

X BY INITIALS RENTER ACCEPTS OR DECLINES OPTIONAL SERVICES AS INDICATED ABOVE

RENTAL AGREEMENT NO. LBB 00192923
SUB TOTAL 12870

X I AGREE TO ALL TERMS OF THIS RENTAL AGREEMENT
Robert J. Marks II

BILLING TYPE/AMOUNT LESS DEPOSIT
DI 128.70 PAID 12870
NET DUE RENTER NET DUE 000

PREPARED BY CURREY CLOSED BY HELEN

ALL CHARGES SUBJECT TO FINAL AUDIT

*Rental
of
Car*

Guest Account



3

Room	Rate	Arrival	Depart	Folio No.	Account	Affiliation	PF	ID	Page
141	59.00	11/04/95	11/07/95	41951	3-00446	3 ITU		1 OFB	1

ROBERT MARKS
 PER SANDY

6011009670138606

Hotel

Date	Code	Reference	ID	Description	Charges	Payments	Balance	
1104	411	63	XXX	797-3683	.50	.00	.50	
1104	412	116	XXX	512-939-8895	9.61	.00	10.11	
1104	113	1104000	FDH	CORPORATE ROOM	59.00	.00	69.11	
1104	811	1104001	FDH	ROOM TAX	3.54	.00	72.65	
1104	812	1104002	FDH	OCCUPANCY TAX	4.13	.00	76.78	
1105	411	9	XXX	794-5738	.50	.00	77.28	
1105	211	242016	MEL	RECIPES	13.08	.00	90.36	
1105	211	242016B	MEL	RECIPES	1.62	.00	91.98	
1105	211	241945	DRM	RECIPES	16.67	.00	108.65	
1105	411	65	XXX	797-3683	.50	.00	109.15	
1105	113	1105000	JDW	CORPORATE ROOM	59.00	.00	168.15	
1105	811	1105001	JDW	ROOM TAX	3.54	.00	171.69	
1105	812	1105002	JDW	OCCUPANCY TAX	4.13	.00	175.82	
1106	113	1106000	LEE	CORPORATE ROOM	59.00	.00	234.82	
1106	811	1106001	LEE	ROOM TAX	3.54	.00	238.36	
1106	812	1106002	LEE	OCCUPANCY TAX	4.13	.00	242.49	
1107	211	241857	OFB	RECIPES	5.82	.00	248.31	
1107	211	241857M	OFB	RECIPES	1.62	.00	249.93	
1107	411	33	XXX	792-0671	.50	.00	250.43	
TOTAL							\$	250.43

I AGREE THAT MY LIABILITY FOR THIS BILL IS NOT WAIVED AND AGREE TO BE HELD PERSONALLY LIABLE IN THE EVENT THAT THE INDICATED PERSON, COMPANY OR ASSOCIATION FAILS TO PAY THE FULL AMOUNT OF THESE CHARGES.

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18 OCT 95

MARKS / Robert DR

18 OCT 95

1 03 nov 2 03 nov 3 07 nov 4 07 nov

1 03 nov 2 03 nov 3 07 nov 4 07 nov

VR1 comm

X/O	NOT GOOD FOR PASSAGE	CARRIER	FLIGHT/CLASS	DATE	TIME	STATUS	FARE BASIS	ALLOW
	FROM Seattle	UA	238 V	03 nov	2:10 p	OK	<	
X	TO Denver	UA	7656 V	03 nov	7:30 p	OK	FOR PASSAGE	
O	TO Lubbock	UA	7654 V	03 nov	6:55 p	OK	comm	
X	TO Denver	UA	1427 V	07 nov	6:55 p	OK	comm	
	TO Seattle							

FARE 580.00

TAX 58.00 US

TOTAL 650.00

016 8483221081 6

UNITED AIRLINES

016 2

SUBJECT TO CONDITIONS OF CONTRACT ON PASSENGERS COUPON

Parking at Seattle airport

5

0.00

1244

22.40

11-07-95

176.56

0 5.

0 5.25

1 26.25*

0 5.

2.15*

28.40*

3.00*

1.60*

1245

22.56

11-07-95



IEEE



1995 IEEE International Symposium on Circuits and Systems

Sponsored by the IEEE Circuits and Systems Society
Seattle, Washington April 29 - May 3, 1995

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University of Washington
Seattle, Washington 98195

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University of Washington
Seattle, Washington 98195
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e-mail: soma@ee.washington.edu

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Carnegie Mellon University
Pittsburgh, PA 15213
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e-mail: allstot@ece.cmu.edu

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Phone: (206) 296-5970, FAX: (206) 296-5962
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e-mail: arnold@fmea.boeing.com

INTERNATIONAL LIAISON:

Prof. Teck Seng Low
Director, Magnetics Technology Centre
National University of Singapore
10 Kent Ridge Crescent
Singapore 0511
Tel: 65-7726851 Fax: 65-7766527
e-mail: elelowts@nusvm.bitnet

CONFERENCE SECRETARIAT

Meeting Management
2603 Main Street, Suite 690
Irvine, CA 92714
Tel: (714) 752-8205 Fax: (714) 752-7444
e-mail: 74710.2266@compuserve.com

November 7, 1995

Greg Koskovich, Treasurer
2101 Eilene Drive
Pleasanton, CA 94588

Dear Greg:

Are the books for ISCAS still open? We recently received an accounting for one of our budgets which showed that we had paid the University \$506.82 for security for the week just before ISCAS. If there are funds available, it would good to reimburse Prof. Marks' budget.

Sincerely,

Ruth W. Bennett
Administrative Assistant

BALANCE REPORT FOR INDIVIDUAL ACCOUNTS
 ACCOUNT: EE DEDICATED REVENUE
 ACCOUNT NAME: REVRM
 FOR: Professor Marks, Robert

LEDGER POST SYMBOLS
 B = BUDGET C = CANCELLED
 T = TRANSACTION R = REVENUE
 E, EE = ENCUMBRANCE - = POSITIVE
 J = JOURNAL ENTRY BALANCE

PAGE 1

DATE	DESCRIPTION	BUDGET	TRANSACTION LP	OBJ	REF#
05/31/94	CASH HOLDING ACCOUNT -REVENUE IEEE:WAGNER	06-9330	-\$984.56 BT	38-00	JV10677
07/25/94	RUTH WAGNER SALARY/BENEFITS FOR PPE 7/1-7/15/94	06-9330	\$446.35 T	01-60	D707585
08/10/94	RUTH WAGNER SALARY/BENEFITS FOR PPE 7/16-7/31/94	06-9330	\$446.35 T	01-60	D727007
08/10/94	INDIRECT COST	06-9330	\$144.73 BT	38-00	JV13694
/11/94	IEEE REVENUE	06-9330	-\$1,129.08 BT	38-00	73658001 ✓
10/31/94	OVERHEAD REVENUE CHARGE FOR IEEE REV	06-9330	\$165.97 BJ	25-00	IDCIEEE
11/10/94	RUTH BENNETT PPE 10/16-10/31	06-9330	\$344.40 T	01-60	D847246
11/10/94	RUTH BENNETT PPE 10/16-10/31	06-9330	\$101.94 T	07-00	D847246
04/03/95	U-WATS CREDIT	06-9330	\$7.20 T	03-02	JV22282
04/13/95	IEEE '95 INTL CONF	06-9330	\$384.48 BJ	38-00	68463304
04/13/95	IEEE '95 INTL CONF	06-9330	-\$3,000.00 BT	38-00	68463304 ✓
04/25/95	IEEE CONF CALL REIMB	06-9330	-\$22.50 T	03-99	77327904
05/30/95	IEEE SECURITY	06-9330	\$506.82 T	03-49	XPD3589

ACCOUNT BALANCE -\$2,587.90



THE INSTITUTE OF ELECTRICAL
AND ELECTRONICS ENGINEERS, INC.

IEEE

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New York, N.Y. 10017-2394, U.S.A.

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EXECUTIVE OFFICE
NEWARK, NEW JERSEY 07192

55 - 2
212

CHECK DATE	CHECK NUMBER	CHECK AMOUNT
31-MAR-95	73701	\$315.15

Three Hundred Fifteen Dollars and 15 Cents*****

PAY TO
THE
ORDER
OF

Marks, Robert J II
Univ Washington - Dept EE
1131 199th St. SW Suite N
Lynwood, WA 98036-7138

110053857 400 04 4113 4129

⑈073701⑈ ⑆031202547⑆ 880400147 0⑈ ⑆0000031515⑆

FRB-PHILA**RCP
0310-0004-0
110053857 04-13-95

APR 26 11 13
PROCESSED
125081000593

002024895

10314884

APR 11 95

FRB PHILA PA
APR 10 1995
FBI PHILA PA
FBI PHILA PA
FBI PHILA PA

6077 : 6 6 3 2 4

002024895

Robert J. Marks II
Library Archive

UNIVERSITY OF WASHINGTON
SEATTLE, WASHINGTON 98195

Department of Electrical Engineering, Box 352500
Telephone: (206) 543-6990 (office), 543-6061 (secretary),
543-2150 (main office), 776-8995 (home), 543-3842 (FAX), 776-9297 (home FAX).
marks@ee.washington.edu

July 29, 1995

Thelma Vickers
College of Engineering
Box 7901
Raleigh, NC 27695-7901

Thelma,

Enclosed are receipts for my travel to the second interview.

1. Connie's Airfare	\$593.00
2. Robert's Airfare†	\$593.00
3. Rental Car	\$105.62
4. Hotel‡	\$ 0.00
5. Appropriate per diem*	?
6. Shuttle to Airport (2)	\$48.00
7. Shuttle from airport (Bob)	\$23.00
8. Shuttle from airport (Connie)#	\$23.00

Please remit the balance due to me at the above address. \$1385.62+

Thanks!

Best regards,



Robert J. Marks II
Professor

Connie Lynn J. Marks
Robert J. Marks II



† The total is \$1139.00. I, however, took a side trip to Cleveland. Thus, I am claiming only the round trip cost.

‡ Paid directly to hotel by Dean's office.

* Including half of receipt #(4): dinner with Professor and Mrs. Wes Snyder.

No receipt.

PRINTED IN U.S.A. BY RAND McNALLY REV. 9-89

ARC PASSENGER COUPON
 DATE OF ISSUE 14 JUN 95
 BOOKING REFERENCE 2
 ISSUED IN EXCHANGE FOR

PASSENGER NAME MARKS/ROBERT DR
 NOT TRANSFERABLE

X/O	FROM	NOT GOOD FOR PASSAGE	CARRIER	FLIGHT	CLASS	DATE	TIME	STATUS	FARE BASIS/TKT. DESIGNATOR	
	SEATTLE	TACOMA	NW	150	R	09 JUN	700A	OK	RDGWA	
	Y	MINNEAPOLIS	ST P	NW	1714	R	09 JUN	1255P	OK	RDGWA
		RALEIGH	DURHAM						VOID	
		CLEVELAND		NW	1105	U	05 JUL	500P	OK	UTBWA

FARE DETROIT METRO
 FARE CALCULATION
 USA 399.00 SEA NW Y/MSP NW RDU265 45/-CLE NW Y/DIT NW SEA123 63 399.00
 TAX 12.00YF
 TAX 12.00YF
 TAX 12.00YF
 FORM OF PAYMENT
 TOTAL AY320747401250005 10/94 ORIGINAL ISSUE 000025
 AL AGT. INFO. 440.00
 CONTROL NO. 46734350974
 012 7764511700 1 □

STANG TRAVEL
 PSGR CPN
 SEATTLE
 50 84127-47

NOT VALID BEFORE NOT VALID AFTER ALLOW

DO NOT MARK OR WRITE IN THE WHITE AREA ABOVE

PRINTED IN U.S.A. BY RAND McNALLY

ARC PASSENGER COUPON
 DATE OF ISSUE 14 JUN 95
 BOOKING REFERENCE 2
 ISSUED IN EXCHANGE FOR

PASSENGER NAME MARKS/ROBERT DR
 NOT TRANSFERABLE

X/O	FROM	NOT GOOD FOR PASSAGE	CARRIER	FLIGHT	CLASS	DATE	TIME	STATUS	FARE BASIS/TKT. DESIGNATOR	
	RALEIGH	DURHAM	NW	1723	R	01 JUL	630A	OK	R79PP	
	Y	DETROIT	METRO	NW	1534	R	01 JUL	070A	OK	R79PP
		CLEVELAND							VOID	
		VOID							VOID	

FARE
 FARE CALCULATION
 USA 370.75 RDU NW Y/DIT NW CLE230 70 370.75 END YEDTNY
 TAX 07.00YF
 TAX 7.00YF
 TAX 7.00YF
 FORM OF PAYMENT
 TOTAL AY320747401250005 10/94 ORIGINAL ISSUE 000027
 AL AGT. INFO. 250.00
 CONTROL NO. 46734350860
 012 7764511702 3 □

See below for Airline Form, Serial Number

STANG TRAVEL
 PSGR CPN
 SEATTLE
 50 84127-47

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DO NOT MARK OR WRITE IN THE WHITE AREA ABOVE

PRINTED IN U.S.A. BY RAND McNALLY

ARC PASSENGER COUPON
 DATE OF ISSUE 14 JUN 95
 BOOKING REFERENCE 2
 ISSUED IN EXCHANGE FOR

PASSENGER NAME MARKS/ROBERT DR
 NOT TRANSFERABLE

X/O	FROM	NOT GOOD FOR PASSAGE	CARRIER	FLIGHT	CLASS	DATE	TIME	STATUS	FARE BASIS/TKT. DESIGNATOR	
	Y	DETROIT	METRO	NW	270	U	05 JUL	600P	OK	UTBWA
		SEATTLE	TACOMA						VOID	
		VOID							VOID	
		VOID							VOID	

FARE
 FARE CALCULATION
 USA 399.00 SEA NW Y/MSP NW RDU265 45/-CLE NW Y/DIT NW SEA123 63 399.00
 TAX 12.00YF
 TAX 12.00YF
 TAX 12.00YF
 FORM OF PAYMENT
 TOTAL AY320747401250005 10/94 ORIGINAL ISSUE 000025
 AL AGT. INFO. 440.00
 CONTROL NO. 46734350974
 012 7764511701 2 □

See below for Airline Form, Serial Number

STANG TRAVEL
 PSGR CPN
 SEATTLE
 50 84127-47

NOT VALID BEFORE NOT VALID AFTER ALLOW

DO NOT MARK OR WRITE IN THE WHITE AREA ABOVE

TO: DS 60110096

3 DY @ 32.60 = 97.80
TAX @ 8.000% = 7.82
TRANS TAX = 0.00
TOTAL = \$ 105.62

LEIGH, NC RA# RDURR6152055
T: 00:13 VEHICLE# 380550 IN: 05:34
06/29/95 MILES DRUN: 37 07/01/95
BERT_MARKS RDUAP

Budget.

SEARS
Car & Truck Rental

(3)

Thank you for renting from Budget.

SALE \$ 105.42
MERCHANT: 000643935540 002
DATE: 06/30/95 20:39
ACCT NO.: 6011009675000843
TYPE: DISCOVER 09/95
AUTH NO.: 030823
SERVER: 0003
THANK YOU
THANK YOU

CAPPERS
NORTH HILLS PLAZA
RALEIGH, NC 27606
919-7878963
THANK YOU

(4)

QTY	CLASS	DESCRIPTION	AMOUNT
		SUB TOTAL	105.42
		TAX	1.79
		TIPS/MISC.	17.94
		TOTAL	123.36

Cardholder acknowledges receipt of goods and/or services in the amount of the total shown hereon and agrees to perform the obligations set forth in the Cardholder's agreement with the issuer.

CUSTOMER SIGNATURE
RETAIN THIS COPY FOR YOUR RECORDS
CUSTOMER COPY

522258109225

See below for Airline Form, Serial Number

ARC PASSENGER COUPON
DATE OF ISSUE: 14 JUN 95
ORIGIN/DESTINATION: SEA/SEA
BOOKING REFERENCE: 50 9412744
ISSUED IN EXCHANGE FOR: 1

PASSENGER NAME: MARKS/CONNIE MRS
NOT TRANSFERABLE

X/O	FROM	NOT GOOD FOR PASSAGE	CARRIER	FLIGHT	CLASS	DATE	TIME	STATUS	FARE BASIS/TKT. DESIGNATOR	NOT VALID BEFORE	NOT VALID AFTER	ALLOW
	SEATTLE	TACOMA	NW	150	B	29 JUN	700A	OK	BIGWA			
X	MINNEAPOLIS	ST CI	NW	1216	B	29 JUN	1255P	OK	BIGWA			
O	RALEIGH	DURHAM	NW	1727	B	01 JUL	430A	OK	BIGWA			
X	DETROIT	METRO	NW	93	B	01 JUL	925A	OK	BIGWA			

FARE CALCULATION: SEA MM X/MSP NW B0U265 45 MM X/DTT NW SEA265 45 570.90 END

TAX: 53.10US
TAX: 9.00XE

FORM OF PAYMENT: 437874342125005 10/96 ORIGINAL ISSUE: 00002

TOTAL: 105.42
AL AGY INFO: 507 00
CONTROL NO: 46734343672

012 7764511699 0 □

DO NOT MARK OR WRITE IN THE WHITE AREA ABOVE

RECEIPT DATE 7/5/86 AMOUNT 2.5

We promise friendly quality service.

Super Shuttle
Seattle
805 LENORA ST
SEATTLE, WA 98121
1-800-487-RIDE
(206) 622-1424

[Signature] (7)



(6)



Shuttle Express

We promise friendly quality service.

(206) 622-1424
805 LENORA ST
SEATTLE, WA 98121
1-800-487-RIDE

RECEIPT DATE 6/28 AMOUNT \$48.00

1995 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive

IEEE 345 East 47th Street, New York, N.Y. 10017-2394, U.S.A.

080874

04-AUG-95		CUST. ACCT. NO.		VENDOR NAME		Marks, Robert J II		VENDOR NO. 06402291	
INVOICE NO.	INVOICE DATE	DESCRIPTION		DISCOUNT AMOUNT		NET AMOUNT			
13-JUN-95	13-JUN-95	REIMB EXP AS EDITOR OF TNN		.00		481.69			
				\$.00		\$481.69			

PLEASE DETACH AND RETAIN THIS STATEMENT AS YOUR RECORD OF PAYMENT

Thank You

Robert J. Marks II Library Archive

1995 IEEE Neural Networks Council Document
 Robert J. Marks II Library Archive

IEEE 345 East 47th Street, New York, N.Y. 10017-2394, U.S.A.

080567

28-JUL-95		CUST. ACCT. NO.	VENDOR NAME	Marks, Robert J II	VENDOR NO. 06402291	
INVOICE NO.	INVOICE DATE	DESCRIPTION			DISCOUNT AMOUNT	NET AMOUNT
28-JUN-95	24-JUL-95	Expense report for the period ending 28-JUN-95			.00	557.00
29-JUN-95	24-JUL-95	Expense report for the period ending 29-JUN-95			.00	407.06
					\$.00	\$964.06

PLEASE DETACH AND RETAIN THIS STATEMENT AS YOUR RECORD OF PAYMENT

Thank You

Robert J. Marks II Library Archive

READ INSTRUCTIONS ON REVERSE SIDE OF YELLOW COPY AND REFER TO IEEE TRAVEL REIMBURSEMENT MANUAL BEFORE COMPLETING THIS FORM



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
EXPENSE REPORT FOR PERIOD ENDING

6/28 19 95

IEEE

TRAVELING IN CAPACITY OF (CHECK ONE)

- MEMBER OF IEEE STAFF _____ (Dept.)
- MEMBER OF IEEE BD. OF DIRECTORS/EXECUTIVE COMM.
- IEEE REGIONAL DIRECTOR
- IEEE STANDING BOARD OR COMMITTEE REPRESENTATIVE
- SOCIETY OFFICER

LEOS Rep. to NNC

(Name of Board, Committee or Society)

NAME									
ROBERT	J.	MARKS	II						
(ADDRESS TO SEND CHECK)									
DEPT.	OF	EE,	UNIV	OF	WA				
BOX	#	352500							
SEATTLE,	WA	98195							

TRIP AUTHORIZATION NO. _____

PURPOSE OF TRIP - NOTE EACH DAY'S ACTIVITY

Travel - Ad Com Mtg
Ad Com Mtg
Travel

PROVIDE DETAILS AND FULL SUPPORT ON ITEMS (1), THROUGH (5)

DETAILS	DATE	6/21/95	6/22/95	6/23/95	TOTAL EXPENSE	CHARGED DIRECT TO IEEE (5)
	TOWN	Seattle/Wash DC	Wash DC	Mah DC/Seattle		
PERSNL. AUTO MILEAGE						
TRANSPORTATION TOLLS - PARKING						
MILEAGE ALLOWANCE						
TAXI - BUS SEE REVERSE SIDE (1)		40 40		31 00	71 40	
PLANE - TRAIN - AUTO RENTAL		416 00		XXX 00	416 00	
LODGING/SELF						
MEALS/SELF SEE REVERSE SIDE (2)			20 25	30 50	50 75	
OFFICIAL GUEST SEE REVERSE SIDE (3)						
MISCELLANEOUS TEL & TEL.						
TIPS - GRATUITIES		6 60	3 25	9 00	18 85	
OTHER (4)						
TOTAL EXPENSE		463 00	23 50	70 50	557 00	

PROVIDE DETAILS BELOW AND ATTACH FULL SUPPORT ON ITEMS (4) AND (5).

LESS CHARGED DIRECT TO IEEE
LESS ADVANCE FROM IEEE
BALANCE DUE FROM (TO) IEEE

(4)	ACCOUNT NO.	AMOUNT	AMOUNT OF CHECK
(5)			
SIGNATURE	DATE 6/28/95		
APPROVAL	DATE		
APPROVAL	DATE	\$	

BELOW FOR ACCOUNTING DEPT. USE ONLY

VENDOR NO.	DISTRIBUTED BY	APPROVED BY
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ALL INDIVIDUALS ARE URGED TO REFER TO IEEE TRAVEL REIMBURSEMENT PROCEDURES MANUAL FOR GUIDANCE

EXCERPTS FROM IEEE POLICY STATEMENT 11.6

Travel Funds for Major Boards, Committees and Headquarters Staff

Travel reimbursement will be limited to the following items:

Transportation

- a) Actual bus, coach train or day coach air fare.
- b) Reasonable use of personal auto at rate approved by IEEE Executive Committee
- c) Tolls and parking
- d) Necessary taxi or other ground transportation

Meals and Lodging

- a) Hotel cost at prevailing local standard rate (single), limited to evening of the meeting and/or the prior night.
- b) Personal food and beverage at no more than prevailing rate at place of meeting.

For expenditures in excess of \$25.00 per meal, reimbursement will not be made unless original meal receipts are attached.

NOTE: In the event you are required to extend your stay to obtain special discounted fares you would not otherwise be eligible for, your additional hotel room and personal meal expense will be reimbursed to the maximum of reasonable costs actually incurred or the savings in your fare, WHICHEVER IS LESS.

Official Guests

- a) Reasonable food and beverage expense will be reimbursed providing names of individuals and purpose of meeting is supplied and approved. All expenditures must be supported by original receipts.

Miscellaneous

- a) Necessary telephone and telegram charges
- b) Necessary duplicating service charges
- c) Reasonable porter fees and gratuities

NOTE: Nonessential expenditures for personal items such as newspapers, movies & entertainment WILL NOT be reimbursed.

REIMBURSEMENT — PROCEDURES

1. It is the responsibility of all Institute Staff members and volunteers who authorize travel reimbursement to make such individuals or organizations aware of the guidelines stipulated in Policy Statement 11.6.4 prior to arrangement of travel plans. Copies of the IEEE Travel Reimbursement Procedures Manual are available to assist you.
2. All supporting vouchers shall be submitted with report, including original hotel bill, rail and plane ticket stubs, etc. where expenses are shared with other organizations, copies of receipts are acceptable.
3. Individuals, traveling on IEEE Business, and authorized to be reimbursed who choose to use their personal automobiles, will be allowed traveling expenses to the extent at rate approved by IEEE Executive Committee round trip for the direct speedometer mileage between origin and destination. Reimbursement, however will be limited to coach air fare or costs actually incurred, whichever is less.
4. All taxi and meal expenses must be detailed on reverse side of blue copy of expense form.

APPROVALS AND WHERE TO FORWARD EXPENSE REPORTS

1. Members of IEEE Board of Directors, IEEE Executive Committee, Major Boards and Committees.

All expense reports should be forwarded to the attention of the General Manager at the regular IEEE mailing address.

2. IEEE Staff

All expense reports must be approved by the General Manager, appropriate Associate General Manager, or the appropriate Staff Director and then forwarded to the Accounting Department.

3. Regional Committee members and Student Branch personnel

All expense reports should be submitted on yellow Expense Report Form A-95 and submitted to the appropriate Regional Director. (Copies available from Regional Director or IEEE Headquarters-Field Services Office.)

**PROVIDE DETAILS BELOW OF SUMMARY EXPENSES
AS REPORTED ON FRONT OF THIS REPORT**

TAXI - BUS (1)

DATE	AMOUNT	FROM	TO
6/21	\$23 + \$3(tip)	Home	Airport
6/21	8. + 1	Airport	Hilton Hotel
6/21	4.70 + 1.30	Hilton	Sheraton
6/21	4.70 + 1.30	Sheraton	Hilton
6/23	8 + 1	Hilton	Airport
6/23	23 + 3	Airport	Home

MEALS - SELF (2)

DATE	AMOUNT	BREAKFAST	LUNCH	DINNER	SOCIAL
6/21					
6/22	\$20.25	9.30	10.95		
6/23	30.50	9/45	12.30	9.75	

MEALS - OFFICIAL GUEST (3)

DATE	AMOUNT	NAME/NAMES OF GUEST	PURPOSE OF MEETING

PASSENGER TICKET AND BAGGAGE CHECK SUBJECT TO CONDITIONS CONTAINED IN THIS TICKET
ISSUED BY **NORTHWEST AIRLINES** CONJUNCTION TICKET(S)

ORIGIN/DESTINATION: **SEA/SEA** (10)
BOOKING REFERENCE: **01206**
ISSUED IN EXCHANGE FOR

STAND TRAVEL
PSGR CPN
SEATTLE WA
50 961274/

PASSENGER NAME: **MARKS/ROBERT DR** NOT TRANSFERABLE
DATE OF ISSUE: **14 JUN 95**

X/O	FROM	NOT GOOD FOR PASSAGE	CARRIER	FLIGHT	CLASS	DATE	TIME	STATUS	FARE BASIS/TKT. DESIGNATOR	NOT VALID BEFORE	NOT VALID AFTER	ALLOW
	SEATTLE	TACOMA	NW	150	H	21 JUN	700A	OK	HCANADCA			
X	MINNEAPOLIS	ST PL	NW	376	H	21 JUN	105P	OK	HCANADCA			
O	WASHINGTON	NATL	NW	361	H	24 JUN	655P	OK	HCANADCA			
X	MINNEAPOLIS	ST PL	NW	150	H	24 JUN	910P	OK	HCANADCA			

FARE: **SEATTLE TACOMA**
EQUIV. FARE PD. **347.24** SEA NW X/MSP NW WAS193 6T NW X/MSP NW SEA193 6T 347.24 END
TAX: **36.74US**
TAX: **12.00XE**
TOTAL: **485.98**
FORM OF PAYMENT: **AV370743401050005 10/06**
ORIGINAL ISSUE: **000008**
TOUR CODE

CONTROL NO. **0011/**
46734364871
012 7764511703 4

PRINTED IN U.S.A. BY RAND McNALLY
IT IS UNLAWFUL TO PURCHASE OR RESALE THIS TICKET FROM TO ANY ENTITY OTHER THAN THE ISSUING CARRIER OR ITS AUTHORIZED AGENTS.

Taxi Cab Receipts

Date 6/21/95 Time: _____

Trip Origin: Sheraton

Destination Wilton

4.70 Fare: \$ 1.30 Signature _____
2.00
1.50



We promise friendly quality service.

(206) 622-1424
1-800-487-RIDE

SuperShuttle
Seattle

805 LENORA ST
SEATTLE, WA 98121

RECEIPT DATE 6/21/95 AMOUNT \$23 + \$3 tip

TAXI DRIVER'S CUSTOMER RECEIPT

Company / Ass'n. _____

Time _____ Date 6/21 19 95

Cab# _____ ID# _____

Origin of Trip Wilton

Destination Sheraton Fare \$ 4.70
+1.30

Signature _____

ShuttleExpress
"The Easiest Way to & from the Airport."

GUEST RECEIPT

6/23/95 \$ 23 + 3 tip
DATE AMOUNT DRIVER

We offer Door to Door Service to and from your home,
office or hotel - 24 hours a day, everyday.
Call 622-1424 or 1-800-487-RIDE.



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
 EXPENSE REPORT FOR PERIOD ENDING June 29, 19 95

IEEE

TRAVELING IN CAPACITY OF (CHECK ONE)

- MEMBER OF IEEE STAFF _____ (Dept.)
- MEMBER OF IEEE BD. OF DIRECTORS/EXECUTIVE COMM.
- IEEE REGIONAL DIRECTOR
- IEEE STANDING BOARD OR COMMITTEE REPRESENTATIVE
- SOCIETY OFFICER

Transactions NN Editor

(Name of Board, Committee or Society)

NAME														
R	O	B	E	R	T	J	.	M	A	R	K	S	I	I
(ADDRESS TO SEND CHECK)														
D	E	P	T	O	F	I	E	E	,					U
B	O	X		3	5		2	5	0	0				
S	E	A	T	T	L	E	,	W	A		9	8		1
														9

TRIP AUTHORIZATION NO. _____ PURPOSE OF TRIP - NOTE EACH DAY'S ACTIVITY

Travel - AdCom Mtg
 AdCom Mtg
 Travel

PROVIDE DETAILS AND FULL SUPPORT ON ITEMS (1), THROUGH (5)

DETAILS	DATE	6/21/95	6/22/95	6/23/95						TOTAL EXPENSE	CHARGED DIRECT TO IEEE (5)
	TOWN	Seattle/ Wash DC	Wash DC	Wash DC/ Seattle							
PERSNL. AUTO MILEAGE											
TRANSPORTATION TOLLS - PARKING				23.40						23.40	1
MILEAGE ALLOWANCE				23.40							
TAXI - BUS SEE REVERSE SIDE (1)				23.40						23.40	
PLANE - TRAIN - AUTO RENTAL										23.40	
LODGING/SELF			142.75	142.75						285.50	
MEALS/SELF SEE REVERSE SIDE (2)				21.84						21.84	
OFFICIAL GUEST SEE REVERSE SIDE (3)				72.32						72.32	
MISCELLANEOUS TEL & TEL.											
TIPS - GRATUITIES				4.00						4.00	
OTHER (4)											
TOTAL EXPENSE			142.75	264.31						407.06	

PROVIDE DETAILS BELOW AND ATTACH FULL SUPPORT ON ITEMS (4) AND (5).

LESS CHARGED DIRECT TO IEEE _____

LESS ADVANCE FROM IEEE _____

BALANCE DUE FROM (TO) IEEE _____

	ACCOUNT NO.	AMOUNT
(4)		
(5)		
SIGNATURE <i>[Signature]</i>	DATE 6/29/95	
APPROVAL	DATE	
APPROVAL	DATE	

AMOUNT OF CHECK

BELOW FOR ACCOUNTING DEPT. USE ONLY:

VENDOR NO.	DISTRIBUTED BY	APPROVED BY
------------	----------------	-------------



1995 IEEE Neural Networks Council Document
 1919 Connecticut Avenue N.W.
 Robert J. Marks II Library Archive
 Washington, DC 20009
 202-483-3000

Robert J Marks II

(1)

Name: MARKS, ROBERT J.

Address: DEPART OF EE UNIV OF WASHING
 BOX 352500
 SEATTLE, WA 98195
 AL N899910102 MIL

DS 6011009675000843 Pollo 09/95

06/21-06/23/95 516512
 125.00 Room PAGE 1 A
 9209

TRAVEL AGENCY IEE999

Date	Description	ID	Ref. No.	Charges	Credits	Balance
06/21/95	ROOM	XAP	9209	125.00		
06/21/95	ROOM TAX	XAP	9209	16.25		
06/21/95	OCCUPANCY TAX	OTX	9209	1.50		
06/22/95	ROOM SERVICE	XAQ	6106	10.30		
06/22/95	VID-COM	XQQ	2	10.30		
06/22/95	ROOM	XAP	9209	125.00		
06/22/95	ROOM TAX	XAP	9209	16.25		
06/22/95	OCCUPANCY TAX	OTX	9209	1.50		
06/22/95	DISCOVER	MIL			306.16	
06/22/95	C/O TIME 07:24	MIL		.00		.00

Checked In 06:08 pm RCH

Checked Out 07:24 am MIL

CR: BT AB: R: N HH: 899910102 AL: AL A#120652876

Rates do not include applicable sales, occupancy or other taxes.

Guest _____
 Firm _____ Address _____
 City _____ State _____ Zip _____

Transfer to credit ledger
 I agree that my liability for this bill is not waived and agree to be held personally liable in the event that the indicated person, company or association fails to pay for any part or the full amount of these charges.

Guest Signature _____

(2)

HAMCO DT

CHECK NO.	DATE	NO. PERSONS	TABLE NO.
216062	0113	*06/22/95	TABLE # 010
10-TANJA			
1		- 2 LITE	7.90
2		2 PER/JUICE	4.50
3		2 SOUP	7.90
4		- 1 SEA-SALAD	11.95
5		1 GR-SALMON	13.95
6		2 CHICK-SICILIANA	25.90
7		2 TIRAMISU	9.00
8		1 FRESH-FRT	4.50
9		SUBTOTAL	85.60
10	TAX 1	8.56 TTL AMT	94.16
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			

TAXI DRIVER'S CUSTOMER RECEIPT

8

Company/Ass'n. _____
 Time _____ Date 6/22 1995
 Cab# _____ ID# _____
 Origin of Trip Hilton
 Destination Sheraton Fare \$ 11.70
 Signature _____ + 2.
 _____ 13.70

TAXI DRIVER'S CUSTOMER RECEIPT

9

Company / Ass'n. _____
 Time _____ Date 6/22 1995
 Cab# _____ ID# _____
 Origin of Trip Sheraton
 Destination Hilton Fare \$ 11.70
 Signature _____ + 2.
 _____ 13.70

Bob's DC. Trip Editor's

* Charge to TNN's Discretionary Account

★ " " NNC: ~~IEEE LEOS~~ representative to NNC.

Purpose of trip: NNC Ad Com

① Hotel bill

(Subtract Movie & Room Service)

* ② TNN Special Issues Committee

(Fukuda, Zurada, El-Shankawi, Marks)

(Thursday evening meal)

* ③ Shuttle express from ^{Sea Tac} airport (\$23 + \$3 TIP)

* Shuttle to " " (" ")

* No receipt

④ Hilton to DC Airport Shuttle (\$8 + \$1 TIP)

⑤ " from " " " (\$8 + \$1 TIP)

(6-9) Taxi

* { To Sheraton from Hilton Meeting Stayed (\$4⁷⁰ + \$1³⁰ TIP)

{ From Sheraton to Hilton (" ")

* { From Hilton to TNN Meeting (\$11⁷⁰ + \$2 TIP)

{ To " from " " (" ")

⑩ Air Ticket

(Note: I came back one day early. Same charge).

Returned Home at 2:30 on Friday)

✓ Plus ^{per diem} except Wed Nite food

UNIVERSITY OF WASHINGTON
SEATTLE, WASHINGTON 98195

Department of Electrical Engineering, FT-10
Telephone: (206) 543-6990 (office), 543-6061 (secretary),
543-2150 (main office), 776-8995 (home), 543-3842 (FAX), 776-9297 (home FAX).
marks@u.washington.edu

June 13, 1995

Piero P. Bonissone, Vice President for Finance
IEEE Neural Networks Council
General Electric Company
Bldg. K-1, Room 5C32A
P.O. Box 8
Schenectady, NY 12301

Dr. Bonissone,

Enclosed are my receipts for expenses incurred during my duties as IEEE TNN editor.

1. Supplies*	\$ 457.64
2. MCI (Mar)	<u>\$ 24.05</u>
total	\$481.69

Please remit this amount to me at the above address.

Sincerely,



Robert J. Marks II
Professor

Robert J. Marks II
[REDACTED]
IEEE# 6402291

* The \$349 is for the drum cartridge that needs to be replaced occasionally (now, at least twice yearly) on the copy machine.



PAGE 6 OF 6

TELEPHONE NUMBER 206 776-9297 Customer ID 921230
BILL DATE May 1, 1995

For billing
inquiries, call
1 800 483-3100

LONG DISTANCE CALLS (continued)

Billing for MCI



Taxes and Fees on MCI Regulated Services		Amount
1	Federal excise tax (3.00% of \$21.58)	\$.65
2	Washington state sales tax (8.20% of \$21.58)	1.77
3	State surcharge (0.47% of \$11.65)	.05
Total		\$ 2.47
<i>MCI regulated service charges</i>		<i>\$ 24.05</i>
<i>MCI Other Messages</i>		<i>\$ 24.05</i>
Total long distance MCI		\$ 24.05



TELEPHONE NUMBER 206 776-9297 Customer ID 921230
BILL DATE May 1, 1995

PAGE 5 OF 6

For billing
inquiries, call
1 800 483-3100

LONG DISTANCE CALLS

Billing for MCI



MCI Regulated Services

Regulated Calls

Direct Dialed Calls

Date	Time	Place called	Number called	Period	Min.	Amount
1 Mar 14	7:55 am	Maple Hts OH	216 663-5610	Night	1	\$.14
2 Mar 14	8:01 am	Maple Hts OH	216 663-5610	Day	3	.83
3 Mar 15	11:46 am	Australia	0612552168300	Econ	1	1.04
4 Mar 15	11:59 am	Japan	0814521282550	Econ	2	1.96
5 Mar 15	12:23 pm	Dunellen NJ	908 562-0545	Day	3	.83
6 Mar 15	2:54 pm	Dunellen NJ	908 562-0545	Day	7	1.95
7 Mar 15	3:09 pm	Dunellen NJ	908 562-0545	Day	3	.83
8 Mar 16	11:36 pm	Dunellen NJ	908 562-0545	Night	1	.14
9 Mar 17	10:06 am	Louisville KY	502 852-6314	Day	1	.27
10 Mar 17	11:04 am	Summit NJ	908 277-1956	Day	1	.27
11 Mar 24	9:31 pm	Maple Hts OH	216 663-5610	Eve	11	1.86
12 Mar 29	10:55 am	Holmdel NJ	908 949-2473	Day	3	.83
13 Apr 1	7:25 pm	CIS	0709593820480	Sid	2	4.51
14 Apr 5	1:13 am	Dunellen NJ	908 562-0545	Night	3	.44
15 Apr 5	1:59 pm	Dunellen NJ	908 562-0545	Day	1	.27
16 Apr 6	8:12 am	Maple Hts OH	216 663-5610	Day	2	.55
17 Apr 6	9:08 am	Maple Hts OH	216 663-5610	Day	1	.27
18 Apr 6	9:14 am	Maple Hts OH	216 663-5610	Day	1	.27
19 Apr 6	9:20 am	Maple Hts OH	216 663-5610	Day	2	.55
20 Apr 7	7:49 am	Champaign IL	217 244-1764	Night	1	.13
21 Apr 7	10:48 pm	Livermore CA	510 422-8681	Eve	1	.16
22 Apr 7	10:49 pm	Livermore CA	510 422-8681	Eve	2	.33
23 Apr 7	10:57 pm	Japan	0818865496320	Disc	1	1.21
24 Apr 7	10:58 pm	Japan	0818865496320	Disc	1	1.21
25 Apr 7	11:02 pm	La Jolla CA	619 453-9274	Night	1	.13
26 Apr 10	10:58 am	Dunellen NJ	908 562-3861	Day	1	.27
27 Apr 12	9:44 pm	Dunellen NJ	908 981-0027	Eve	2	.33
Total						\$ 21.58

OFFICE DEPOT

5710 196TH ST. S.W.
LYNNWOOD, WA 98036
(206) 771-2582

2.34 13 SALE 1927 0865 004

9520560332 XEROX 5011 TONER 49.99
MFB.LIST 459.00
8648610230 INTERIOR FLD LTR 7.99
MFB.LIST 411.50
8648610230 INTERIOR FLD LTR 7.99
MFB.LIST 411.50
8648610230 INTERIOR FLD LTR 7.99
MFB.LIST 411.50
9520513044 5011 DRUM CART 349.00
MFB.LIST 4411.00
SUBTOTAL 422.96
WA 8.2% SALES TAX 34.68
TOTAL 457.64

ACCOUNT NUMBER 6011009675000843
EXPIRATION DATE 09/95
DISCOVER CARD 457.64
APPROVAL CODE 70
THANK YOU FOR SAVING AT OFFICE DEPOT

T= 5

211*HBRDAI 00018733 450000134449 03WA-0270 206 776-9297 19921230 02 05

UNIVERSITY OF WASHINGTON
SEATTLE, WASHINGTON 98195

Department of Electrical Engineering, FT-10
Telephone: (206) 543-6990 (office), 543-6061 (secretary),
543-2150 (main office), 776-8995 (home), 543-3842 (FAX), 776-9297 (home FAX).
marks@u.washington.edu

February 10, 1995

Piero P. Bonissone, Vice President for Finance
IEEE Neural Networks Council
General Electric Company
Bldg. K-1, Room 5C32A
P.O. Box 8
Schenectady, NY 12301

Dr. Bonissone,

Enclosed are my receipts for expenses incurred during my duties as IEEE TNN editor.

1. Misc Supplies	\$ 4.54
2. Office supplies	\$119.03
3. MCI (Oct-Nov 94)	\$ 96.52
4. MCI (Nov-Dec)	\$ 57.51
5. MCI (Dec-Jan)	<u>\$ 37.55</u>
total	\$315.15

Please remit this amount to me at the above address.

Sincerely,



Robert J. Marks II
Professor

Robert J. Marks II
SS# [REDACTED]
IEEE# 6402291

OFFICEMAX, INC.
 18420 33RD AVENUE WEST
 LYNNWOOD, WA. 98037

SALE 002790 1 00002 64945
 0469 12/08/94 12:12 PM

095205603323		
XEROX 5011RE TON <SALE>	44.99	
MFG. LIST \$59.00		
072782052010		
FILE FOLDER LABE <SALE>	1.79	
MFG. LIST \$4.33		
718575090059		
INK JET TRANSPAR <SALE>	29.95	
MFG. LIST \$48.95		
010199003492		
JET PRINT PAPER- <SALE>	7.99	
MFG. LIST \$10.00		
089138006856		
LINED PAD-CLSC R <SALE>	1.88	
MFG. LIST \$2.50		
089138883877		
'95 WEEK CALEND <SALE>	5.99	
MFG. LIST \$7.00		
089138006856		
LINED PAD-CLSC R <SALE>	1.88	
MFG. LIST \$2.50		
012502051664		
FAX PAPER 98' 2 <SALE>	12.99	
MFG. LIST \$16.95		
086486103305		
FILE FOLDER-LETT <SALE>	2.55	
MFG. LIST \$11.50		
MEMBER #		
PURCHASE ORDER #		
SUB TOTAL	110.01	
8.20% TAX	9.02	
TOTAL	\$119.03	
DIS/OM/BIZ	119.03	

DOCUMENT/ACCOUNT #
 6011009675000843
 AUTHORIZATION NUMBER
 008464

IPV LN 31590 05061024

SAVINGS IS THE BOTTOM LINE

CUSTOMER SIGNATURE
 AUTHORIZATION
 DATE
 TOTAL

Cardholder acknowledges receipt of goods and/or services in the amount of the Total shown hereon and agrees to perform the obligations set forth in the Cardholder's agreement with the Issuer.

SALES SLIP

IMPORTANT: RETAIN THIS COPY FOR YOUR RECORDS.

OFFICEMAX, INC.
 18420 33RD AVENUE WEST
 LYNNWOOD, WA. 98037

SALE 002790 1 00002 64945
 0469 12/08/94 12:13 PM

DIS/OM/BIZ \$119.03

5451234

ACCOUNT # 6011009675000843
 AUTHORIZATION # 008464
 EXPIRATION DATE 09/95

CUSTOMER COPY

4.20
 34

Total 4.54

IMPORTANT NEWS ABOUT YOUR BILL

We've made your MCI(R) long distance phone bill even easier to read and understand. We now deduct the discounts from the price of your calls, so that you know at a glance the exact cost of each and every call. For a summary of these discounts, refer to the MCI Savings Section. If you have any questions about your bill or your MCI service, please call an MCI Customer Service Professional at the number listed below.

INQUIRIES ONLY, Write to: MCI P.O. Box 4600, Iowa City, IA. 52244-4600

 #BWNBMMR *****080-005-533 1 ZB1 .233
 #6M502401UR000000# 790 * *86*01*E*
 DR ROBT II MARKS
 1131 199TH SW
 LYNNWOOD WA 98036-7138

Telephone No. (206) 776-9297

MCI is committed to helping you save! Call us for a free account review to find out how to save even more with MCI!

For MCI Customer Service, please call 1-800-469-3516 toll free.
 Or, for AUTOMATED payment status, or other questions, call 1-800-888-7737.

DR ROBT II MARKS

Current Charges	\$94.99
Current Taxes	\$11.09
Total Current Charges and Taxes	\$106.08
Previous Balance (Please disregard if paid)	\$54.99
Payments through 11/17/94	\$55.00CR
Balance due from Previous Charges	\$.01CR
Total Amount Due	\$106.07

Service Summary

Long Distance	\$13.12
International Long Distance	\$81.87
Total Current Charges	\$94.99

Taxes

Federal Excise Tax	\$2.86
State & Local Taxes	\$7.78
State & Local Surcharges	\$.45
Total Current Taxes	\$11.09

Total Current Charges and Taxes **\$106.08**

CALL INFORMATION

Long Distance
 Calls from 206-776-9297:

DATE	TIME	RATE	TO/FROM	NUMBER	MIN	AMOUNT
Oct 20	07:38P	E	TO MAPLE HTS OH	216-663-5610	7	1.18
23	03:40P	N	TO ALBUQUERQUE NM	505-277-1439	1	.13
24	05:59P	E	TO MT VIEW CA	415-604-3594	1	.15
24	11:39P	N	TO BALTIMORE MD	410-516-5566	2	.27
31	12:05A	N	TO HOLMDEL NJ	908-949-6036	1	.13
31	12:11A	N	TO SOUTH BEND IN	219-631-8007	1	.13
31	12:15A	N	TO MT VIEW CA	415-604-3594	1	.13
31	12:16A	N	TO MT VIEW CA	415-604-3594	1	.13
31	01:20A	N	TO WESTON WV	304-269-1289	1	.13



long distance phone bill

Long Distance (continued)

Calls from 206-776-9297:

DATE	TIME	RATE	TO/FROM	NUMBER	MIN	AMOUNT
Oct 31	01:22A	N	TO WESTON WV	304-269-1289	6	.83
31	03:50P	D	TO TALLAHASSE FL	904-644-0058	2	.53
31	04:57P	D	TO HOLMDEL NJ	908-949-6036	1	.26
Nov 02	03:04A	N	TO COLUMBIA MO	314-884-5090	1	.13
02	11:30A	D	TO MT VIEW CA	415-604-3594	1	.26
02	03:03P	D	TO ALBUQUURQUE NM	505-277-1439	1	.26
02	05:23P	E	TO BRYAN TX	409-845-6443	1	.16
02	05:28P	E	TO MT VIEW CA	415-604-3594	1	.15
02	05:33P	E	TO COLUMBUS OH	614-292-7596	1	.16
02	05:44P	E	TO HOLMDEL NJ	908-949-6036	1	.16
02	05:52P	E	TO BRYAN TX	409-845-6443	1	.16
02	05:54P	E	TO BRYAN TX	409-845-6443	1	.16
02	06:39P	E	TO RALEIGH NC	919-515-5523	2	.33
02	07:25P	E	TO SOUTH BEND IN	219-631-8007	2	.33
02	07:52P	E	TO LOSANGELES CA	213-740-8677	1	.16
02	07:59P	E	TO TALLAHASSE FL	904-644-0058	1	.16
02	09:21P	E	TO BALTIMORE MD	410-516-5566	1	.16
02	09:43P	E	TO LA JOLLA CA	619-453-9274	1	.16
02	09:54P	E	TO DETROIT MI	313-577-1101	1	.16
02	10:12P	E	TO BRYAN TX	409-845-6443	2	.33
02	11:07P	N	TO SOUTH BEND IN	219-631-8007	1	.13
02	11:14P	N	TO BRYAN TX	409-845-6443	1	.13
02	11:42P	N	TO SOUTH BEND IN	219-631-8007	1	.13
02	11:50P	N	TO HOLMDEL NJ	908-949-6036	1	.13
02	11:57P	N	TO BRYAN TX	409-845-6443	1	.13
04	12:21A	N	TO TUXEDO NY	914-351-3317	1	.13
07	01:34P	D	TO PRINCETON NJ	609-951-2482	1	.26
09	06:01P	E	TO RANCHOBNRD CA	619-675-7080	1	.16
10	10:52A	D	TO ALBUQUURQUE NM	505-858-0522	1	.26
10	04:49P	D	TO GREELEY CO	303-339-7009	14	3.47
14	11:14A	D	TO DETROIT MI	313-577-1101	3	.80
Total Calls from 206-776-9297:						\$13.12



long distance phone bill

Long Distance (continued)

Total Long Distance \$13.12

International Long Distance

Calls from 206-776-9297:

DATE	TIME	RATE	TO/FROM	NUMBER	MIN	AMOUNT
Oct 23	03:27P	X	TO GREECE	3082158706	1	1.62
23	03:28P	X	TO GREECE	3082158706	1	1.62
23	11:37P	X	TO JAPAN	81886549632	2	3.53
30	10:17P	Y	TO UN KNGDM	44718238125	1	.97
30	10:41P	Y	TO UN KNGDM	44718238125	1	.97
Nov 02	11:07A	Y	TO JAPAN	81527819243	2	2.96
02	11:11A	Y	TO JAPAN	81527819343	1	2.15
02	11:15A	Y	TO JAPAN	81527819243	1	2.15
02	12:02P	Y	TO JAPAN	81886549632	1	2.15
02	05:56P	S	TO JAPAN	81886549632	1	3.04
02	06:05P	S	TO JAPAN	81527819243	1	3.04
02	06:06P	S	TO JAPAN	81527819243	1	3.04
02	06:11P	S	TO JAPAN	81886549632	1	3.04
02	06:13P	Y	TO GERMANY	49228550425	1	1.14
02	09:37P	X	TO JAPAN	81886549632	1	2.54
02	09:49P	X	TO JAPAN	81527819243	2	3.53
02	11:46P	X	TO JAPAN	81886549632	1	2.54
02	11:47P	X	TO JAPAN	81886549632	1	2.54
02	11:54P	X	TO JAPAN	81527819243	1	2.54
03	12:15A	Y	TO SPAIN	3454624506	1	1.15
07	01:28P	Y	TO KOREA	82571545952	2	3.26
12	11:03P	X	TO JAPAN	81527819243	1	2.79
12	11:32P	X	TO JAPAN	81527819243	2	3.88
13	02:47P	S	TO AUSTRALIA	6139053454	1	3.09
13	02:49P	S	TO AUSTRALIA	6139053454	2	4.40
13	02:52P	S	TO AUSTRALIA	6139053454	4	7.02
13	04:22P	S	TO INDIA	91335566680	2	5.82
16	12:04A	X	TO KOREA	8222819912	3	5.35
Total Calls from 206-776-9297:						\$81.87

International Long Distance (continued)

Total International Long Distance \$81.87

Legend

- D = Domestic Pricing at Daytime Rate
- E = Domestic Pricing at Evening Rate
- N = Domestic Pricing at Night/Weekend Rate
- S = International Pricing at Standard Rate
- X = International Pricing at Discount Rate
- Y = International Pricing at Economy Rate



long distance phone bill

IMPORTANT NEWS ABOUT YOUR BILL

We've made your MCI(R) long distance phone bill even easier to read and understand. We now deduct the discounts from the price of your calls, so that you know at a glance the exact cost of each and every call. For a summary of these discounts, refer to the MCI Savings Section. If you have any questions about your bill or your MCI service, please call an MCI Customer Service Professional at the number listed below.

INQUIRIES ONLY, Write to: MCI P.O. Box 4600, Iowa City, IA. 52244-4600



#BWNBMMR *****085-005-339 1 ZB1 .233
#6M502401UR000000# 790 * *86*01*E*
DR ROBT II MARKS
1131 199TH SW
LYNNWOOD WA 98036-7138

Telephone No. (206) 776-9297

For MCI Customer Service, please call 1-800-469-3516 toll free.
Or, for AUTOMATED payment status, or other questions, call 1-800-888-7737.



long distance phone bill

DR ROBT II MARKS

Current Charges	\$52.35
Current Taxes	\$5.16
Total Current Charges and Taxes	\$57.51
Previous Balance (Please disregard if paid)	\$106.07
Payments through 12/17/94	\$107.00CR
Balance due from Previous Charges	\$.93CR
Total Amount Due	\$56.58

Service Summary

Long Distance	\$20.12
International Long Distance	\$13.81
Total Card Calls	\$18.42
Total Current Charges	\$52.35

Taxes

Federal Excise Tax	\$1.58
State & Local Taxes	\$3.33
State & Local Surcharges	\$.25
Total Current Taxes	\$5.16

Total Current Charges and Taxes \$57.51

CALL INFORMATION

Long Distance

Calls from 206-776-9297:

DATE	TIME	RATE	TO/FROM	NUMBER	MIN	AMOUNT
Nov 23	09:58A	D	TO DUNELLEN NJ	908-562-0545	4	1.07
23	11:15A	D	TO LUBBOCK TX	806-742-3892	2	.53
26	01:49P	N	TO PITTSBURGH PA	412-268-3204	2	.27
29	09:18A	D	TO DUNELLEN NJ	908-562-0545	2	.53
30	12:20P	D	TO DUNELLEN NJ	908-981-1855	2	.53
30	12:22P	D	TO DUNELLEN NJ	908-562-0545	2	.53
30	12:24P	D	TO HOLMDEL NJ	908-949-6036	2	.53
30	12:37P	D	TO W ANGELES CA	310-825-2273	2	.53

Long Distance (continued)

Calls from 206-776-9297:

DATE	TIME	RATE	TO/FROM	NUMBER	MIN	AMOUNT
Nov 30	12:40P	D	TO RANCHOBNRD CA	619-675-7080	2	.53
30	11:58P	N	TO IRVINE CA	714-752-7444	6	.83
Dec 01	04:37P	D	TO ALBUQUERQUE NM	505-254-9974	47	10.28
03	02:39P	N	TO MAPLE HTS OH	216-663-5610	3	.41
05	10:17A	D	TO TALLAHASSE FL	904-644-0058	3	.80
05	11:04A	D	TO HOLMDEL NJ	908-949-6036	2	.53
05	10:18P	E	TO DAYTON OH	513-476-4055	2	.33
05	10:25P	E	TO SOUTH BEND IN	219-631-8007	1	.16
05	10:30P	E	TO HOLMDEL NJ	908-949-6036	2	.33
05	10:45P	E	TO DUNELLEN NJ	908-562-0545	2	.33
12	08:43A	D	TO FLOURBLUFF TX	512-939-8895	4	1.07
Total Calls from 206-776-9297:						\$20.12
Total Long Distance						\$20.12

International Long Distance

Calls from 206-776-9297:

DATE	TIME	RATE	TO/FROM	NUMBER	MIN	AMOUNT
Nov 30	04:13P	S	TO JAPAN	81452128256	1	3.04
Dec 05	11:47A	S	TO ITALY	39805443196	1	1.87
05	12:24P	Y	TO JAPAN	81886549632	2	3.08
05	12:47P	S	TO INDIA	91335566680	2	5.82
Total Calls from 206-776-9297:						\$13.81
Total International Long Distance						\$13.81

Card

Take your MCI® savings with you when travelling during the holidays by using your MCI Card® to keep in touch wherever you go.

Card (continued)

Domestic Card Calls:
 MCI Card Calls for 2067769297:

DATE	TIME	RATE	TO/FROM	NUMBER	MIN	AMOUNT
Nov 18	09:44A	D	TO SEATTLE WA	206-543-6990	14	4.94
			FR LOS ANGES CA	950-1022		
18	09:58A	D	TO SANTA ANA CA	714-285-1145	3	.87
			FR LOS ANGES CA	950-1022		
18	10:12A	D	TO SEATTLE WA	206-543-6990	3	1.68
			FR LOS ANGES CA	950-1022		
Total MCI Card Calls for 2067769297:						\$7.49
Total Domestic Card Calls:						\$7.49
International Card Calls:						
MCI Card Calls for 2067769297:						
DATE	TIME	RATE	TO/FROM	NUMBER	MIN	AMOUNT
Dec 13	11:53P	WS	TO 800 CALL FR TAIWAN	800-447-4747	4	10.93
Total MCI Card Calls for 2067769297:						\$10.93
Total International Card Calls:						\$10.93
Total Card Calls						\$18.42

Legend

- D = Domestic Pricing at Daytime Rate
- E = Domestic Pricing at Evening Rate
- N = Domestic Pricing at Night/Weekend Rate
- S = International Pricing at Standard Rate
- W = MCI WorldPhone®/MCI Call USA® Card Calls
- Y = International Pricing at Economy Rate

IMPORTANT NEWS ABOUT YOUR BILL

We've made your MCI(R) long distance phone bill even easier to read and understand. We now deduct the discounts from the price of your calls, so that you know at a glance the exact cost of each and every call. For a summary of these discounts, refer to the MCI Savings Section. If you have any questions about your bill or your MCI service, please call an MCI Customer Service Professional at the number listed below.

INQUIRIES ONLY, Write to: MCI P.O. Box 4600, Iowa City, IA. 52244-4600



#BWNBMMR *****078-005-452 1 ZB1 .258
#6M502401UR000000# 790 * *86*01*E*
DR ROBT II MARKS
1131 199TH SW
LYNNWOOD WA 98036-7138

Telephone No. (206) 776-9297

For MCI Customer Service, please call 1-800-469-3516 toll free.
Or, for AUTOMATED payment status, or other questions, call 1-800-888-7737.

PLANNING TO MOVE?

Don't forget to call MCI® BEFORE YOU MOVE to give us your new phone number and address. Or, simply note the changes on the reverse side of this page and send it back to MCI with your remittance. We'll make sure your MCI services move with you. It's the easiest way to ensure continued savings and uninterrupted service from MCI.

----- PLEASE FOLD ON PERFORATION AND DETACH. RETURN ONLY THE LOWER PORTION. -----

DR ROBT II MARKS

Current Charges	\$33.62
Current Taxes	\$3.93
Total Current Charges and Taxes	\$37.55
Previous Balance (Please disregard if paid)	\$56.58
Payments through 01/17/95	\$.00
Balance due from Previous Charges	\$56.58
Total Amount Due	\$94.13

Service Summary

Long Distance	\$13.06
International Long Distance	\$20.56
Total Current Charges	\$33.62

Taxes

Federal Excise Tax	\$1.01
State & Local Taxes	\$2.76
State & Local Surcharges	\$.16
Total Current Taxes	\$3.93

Total Current Charges and Taxes **\$37.55**

CALL INFORMATION

Long Distance

Calls from 206-776-9297:

DATE	TIME	RATE	TO/FROM	NUMBER	MIN	AMOUNT
Dec 22	03:48P	D	TO MAPLE HTS OH	216-663-5610	1	.27
22	09:13P	E	TO DETROIT MI	313-577-1101	2	.33
27	02:46P	D	TO MAPLE HTS OH	216-663-5610	2	.55
30	09:40A	D	TO BALTIMORE MD	410-516-5566	2	.55
30	09:52A	D	TO BALTIMORE MD	410-516-5566	2	.55
30	01:24P	D	TO MAPLE HTS OH	216-663-5610	1	.27
30	01:27P	D	TO MAPLE HTS OH	216-663-5610	1	.27
30	01:28P	D	TO MAPLE HTS OH	216-663-5610	11	3.07
31	06:22A	N	TO MAPLE HTS OH	216-663-5610	1	.14

MCI long distance phone bill

Account No. : 6M502401 103118ZB1
 Invoice No. : 89918453 Page No. 4
 Billing Period: Dec 18-Jan 17, 1995

Long Distance (continued)

Calls from 206-776-9297:

DATE	TIME	RATE	TO/FROM	NUMBER	MIN	AMOUNT
Dec 31	06:23A	N	TO MAPLE HTS OH	216-663-5610	1	.14
Jan 02	09:45A	D	TO ALBUQUERQUE NM	505-277-1439	2	.53
04	08:46A	D	TO WESTWOOD NJ	201-666-2394	4	1.11
04	09:07A	D	TO DUNELLEN NJ	908-981-1769	1	.27
04	11:03A	D	TO MAPLE HTS OH	216-663-5610	2	.55
04	11:06A	D	TO MAPLE HTS OH	216-663-5610	2	.55
05	10:08A	D	TO COLUMBUS OH	614-292-7596	2	.55
07	12:09P	N	TO CAMBRIDGE MA	617-253-0920	1	.14
07	12:09P	N	TO LEXINGTON MA	617-863-0268	1	.14
07	02:25P	N	TO MAPLE HTS OH	216-663-5610	1	.14
07	02:27P	N	TO MAPLE HTS OH	216-663-5610	1	.14
10	10:31A	D	TO SANTA FE NM	505-984-3123	3	.80
16	07:37A	N	TO DUNELLEN NJ	908-562-0545	4	.56
16	08:46P	E	TO MAPLE HTS OH	216-663-5610	9	1.44
Total Calls from 206-776-9297:						\$13.06

Total Long Distance **\$13.06**

International Long Distance

Calls from 206-776-9297:

DATE	TIME	RATE	TO/FROM	NUMBER	MIN	AMOUNT
Dec 22	09:10P	Y	TO AUSTRIA	4315041498	2	2.12
29	04:51A	Y	TO AUSTRALIA	6134704915	8	8.04
Jan 04	07:41A	S	TO INDIA	91335566680	1	3.88
05	12:38P	S	TO INDIA	91335566680	2	6.52
Total Calls from 206-776-9297:						\$20.56

Total International Long Distance **\$20.56**

MCI Savings

This informational section details your MCI Savings. Your discounts have already been deducted from the price of each call.

Martin Luther King Discounts	\$. 11
Total MCI Savings This Month	\$. 11

Legend

- D = Domestic Pricing at Daytime Rate
- E = Domestic Pricing at Evening Rate
- N = Domestic Pricing at Night/Weekend Rate
- S = International Pricing at Standard Rate
- Y = International Pricing at Economy Rate

1995 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive

IEEE 345 East 47th Street, New York, N.Y. 10017-2394, U.S.A.

078362

INVOICE NO.	INVOICE DATE	DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
16-JUN-95	CUST. ACCT. NO.	VENDOR NAME	Marks, Robert J II	VENDOR NO. 06402291
31-MAY-95	31-MAY-95	EXPENSE REIMBURS FOR EDITOR OF TRAN ON NN NO PO	.00	543.07
			\$.00	\$543.07

PLEASE DETACH AND RETAIN THIS STATEMENT AS YOUR RECORD OF PAYMENT

Thank You

Robert J. Marks II Library Archive

Post, Sale

UNIVERSITY OF WASHINGTON
SEATTLE, WASHINGTON 98195

Department of Electrical Engineering, FT-10
Telephone: (206) 543-6990 (office), 543-6061 (secretary),
543-2150 (main office), 776-8995 (home), 543-3842 (FAX), 776-9297 (home FAX).
marks@u.washington.edu

May 10, 1995

Piero P. Bonissone, Vice President for Finance
IEEE Neural Networks Council
General Electric Company
Bldg. K-1, Room 5C32A
P.O. Box 8
Schenectady, NY 12301

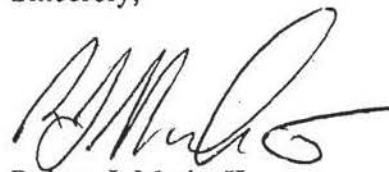
Dr. Bonissone,

Enclosed are my receipts for expenses incurred during my duties as IEEE TNN editor.

1. File Cabinet Sup	\$ 28.77
2. Misc Supplies	\$ 62.68
3. MCI; Jan-Feb	\$ 43.50
4. MCI: Apr	\$ 97.14
5. Misc Supplies	\$ 24.05
6. Printer	\$ 56.55
7. Printer	<u>\$230.38</u>
total	\$543.07

Please remit this amount to me at the above address.

Sincerely,



Robert J. Marks II
Professor

Robert J. Marks II
SS# [REDACTED]
IEEE# 6402291

R. J. Marks II



Ernst & Young

CUSTOMER NAME (PLEASE PRINT) _____ PHONE _____

STREET ADDRESS _____

CITY _____ STATE _____ ZIP _____

EXPLANATION
Invoice

16

OFFICEMAX, INC.
 18420 33RD AVENUE WEST
 LYNNWOOD, WA. 98037

29

ERST
 18420 33RD AVENUE WEST
 LYNNWOOD, WA. 98037

SALE 006569 1 00001 54427
 0469 02/21/95 07:31 PM

SALE
 CHAIR ACCESSORIES
 072174 1.99
 CHAIR HARDWARE
 076249 30.00
 TOTAL 31.99
 BANKCARD
 6011009675000843
 014676
 06461448 13.00

073622030465
 36"X48" CHAIRMAT
 2 @ 13.97 <SALE> 27.94
 MFG. LIST \$20.89
 083495000595
 KEYBOARD SPACE S <SALE> 29.95
 MFG. LIST \$39.95
 MEMBER *
 PURCHASE ORDER *
 SUB TOTAL 57.92
 8.20% TAX 4.75
 TOTAL \$62.68
 DIS/DM/BIZ 62.68

DOCUMENT/ACCOUNT *
 6011009675000843
 AUTHORIZATION NUMBER
 021819

IPV LN 31930 05737002

ERST DOUBLES THE
 MANUFACTURERS WARRANTY
 ON EVERYTHING
 WE SELL

SAVINGS IS THE BOTTOM LINE

THANK YOU FOR SHOPPING
 AT ERST

IMPORTANT: RETAIN THIS COPY FOR YOUR RECORDS

11126607 385 7
 02/14/1995 17:37

OFFICEMAX, INC.
 18420 33RD AVENUE WEST
 LYNNWOOD, WA. 98037

SALE 006569 1 00001 54427
 0469 02/21/95 07:32 PM

5434860

DIS/DM/BIZ \$62.68

ACCOUNT * 6011009675000843
 AUTHORIZATION * 021819
 EXPIRATION DATE 09/95

19

Thank you

X *[Signature]*
 CUSTOMER SIGNATURE

SLH
 CASHIER NAME (PRINT & INITIAL)

 AUTHORIZATION SIGNATURE

OFFICEMAX, INC.
 18420 33RD AVENUE WEST
 LYNNWOOD, WA. 98037

SALE 006569 1 00001 54427
 0469 02/21/95 07:32 PM

DIS/DM/BIZ \$62.68

ACCOUNT * 6011009675000843
 AUTHORIZATION * 021819
 EXPIRATION DATE 09/95

CUSTOMER COPY

R J Marks II



PAGE 1 OF 8
 TELEPHONE NUMBER 206 776-9297 Customer ID 921230
 BILL DATE April 1, 1995

Helpful numbers

BILLING SUMMARY

DR ROBT II MARKS

For billing inquiries, call 1 800 483-3100

Previous charges
 Amount of last bill CR \$ 5.75
 No payment received. .00
 Credit balance CR \$ 5.75

Current charges
 GTE regulated service charges \$ 19.25
 GTE non-regulated service charges 1.50
 MCI regulated service charges 97.14
 Total current charges \$ 117.89

49

To order or change service see the 'Where To Reach GTE' pages of your directory.

Total amount due \$ 112.14
 Due date April 25, 1995

Please see reverse side for additional information.

GTE regulated service charges	\$ 19.25
<hr/>	
GTE NON-REGULATED SERVICE (Apr 1 to May 1)	Amount
10 Inside Wire Maintenance Plan	\$ 1.50
Total	\$ 1.50

T= 3 211*HBRDA1 00018854 450000145101 03WA-0270 206 776-9297 19921230 02 08

T= 5 211*HBRDA1 00018854 450000145103 03WA-0270 206 776-9297 19921230 02 08

T= 7 211*HBRDA1 00018854 450000145105 03WA-0270 206 776-9297 19921230 02 08

3

R. J. Marks II

long distance phone bill

Account No. : 6M502401 114605ZB1
Invoice No. : 87263760 Page No. 1
Billing Period: Jan 18-Feb 17, 1995

THIS IS YOUR FINAL MCI(R) INVOICE

If you are moving and wish to continue to receive MCI savings and service in your new home, please call MCI Customer Service at 1 800 888-MOVE.

If you have cancelled MCI but wish to reinstate or would like information about other MCI services, please call 1 800 444-3333.

If you have recently reinstated your MCI service, you will receive a new invoice within 30 days. THANK YOU.

INQUIRIES ONLY, Write to: MCI P.O. Box 4600, Iowa City, IA. 52244-4600

55
39



#BWNBMWR *****085-003-733 1 ZB1 .258
#6M502401UR000000# 790 * *86*01*E*
DR ROBT II MARKS
1131 199TH ST SW
LYNNWOOD WA 98036-7138

Telephone No. (206) 776-9297

*For MCI Customer Service, please call 1-800-290-6452 toll free.
Or, for AUTOMATED payment status, or other questions, call 1-800-888-7737.*

DATE	TIME	DATE	TO/FROM	NUMBER	MIN	AMOUNT
Jan 20	09:22A	D	TO DUNELLEN NJ	908-981-1769	2	.55
24	12:10P	D	TO DUNELLEN NJ	908-562-3858	11	3.07
24	02:15P	D	TO BERWYN MD	301-286-4477	2	.55
26	10:53A	D	TO AUSTIN TX	512-338-3885	1	.26
26	10:53A	D	TO AUSTIN TX	512-338-3281	1	.26
26	12:37P	D	TO DURHAM NC	919-549-4345	7	1.95
26	07:04P	E	TO RANCHOBNRD CA	619-675-7080	2	.33

Total Calls from 206-776-9297:

Total International Long Distance \$30.93

R. J. Marks II

6

THANK YOU FOR SHOPPING AT PAYLESS
 20617 BOTHELL-EVERETT HWY, BOTHELL, WA.

128 10 5564 02821 002

* CHECKOUT SIGN-OFF

MARCH 8, 1995 11:02 PM

THANK YOU FOR SHOPPING AT PAYLESS
 20617 BOTHELL-EVERETT HWY, BOTHELL, WA.

128 10 5565 02821 002

MAILERS

15 @ 1.49 T 22.35

SUBTOTAL 22.35

7.6% SALES TAX 1.70

TOTAL 24.05

BANKCARD 24.05

EXPIRATION DATE: 09/95 *

CHANGE .00

STORE MANAGER WAYNE HUBBARD 485-8623

PHARMACY MGR. AL ROSATI 485-8484

MARCH 8, 1995 11:04 PM

accordance with the Agreement governing the use of such card.

OFFICE DEPOT

5710 196TH ST. S.W.
 LYNNWOOD, WA, 98036
 (206) 771-2582

2.04 20 SALE 4273 0065 000

08869800317 HP CART 51A48A 26.13

MFG. LIST \$29.95

08869800317 HP CART 51A48A 26.13

MFG. LIST \$29.95

SUBTOTAL 52.26

WA 8.12 SALES TAX 4.29

TOTAL 56.55

ACCOUNT NUMBER 6011009675000843

EXPIRATION DATE 09/95

DISCOVER CARD 56.55

APPROVAL CODE 59

THANK YOU FOR SHOPPING AT OFFICE DEPOT

FICEMAX, INC.
 8420 33RD AVENUE WEST
 LYNNWOOD, WA. 98037

3/18/95 18:54

004785 1 00001 18810
 0469 03/18/95 01:33 PM

088698003138
 LXJET TRANSPAREN <SALE> 44.99
 MFG. LIST \$55.95

088698003183
 PRINT CART.-CYAN
 2 @ 27.99 <SALE> 55.98
 MFG. LIST \$34.95

088698003206
 PRINT CART.-YELL
 2 @ 27.99 <SALE> 55.98
 MFG. LIST \$34.95

088698003190
 PRINT CART.-MAGE
 2 @ 27.99 <SALE> 55.98
 MFG. LIST \$34.95

MEMBER *
 PURCHASE ORDER *
 SUB TOTAL 212.93
 8.20% TAX 17.45
 TOTAL \$230.38
 DIS/DM/BIZ 230.38

DOCUMENT/ACCOUNT *
 6011009675000843
 AUTHORIZATION NUMBER
 018335

72

IPV LN 31350 06542006

SAVINGS IS THE BOTTOM LINE

1995 IEEE Neural Networks Council Document
 Robert J. Marks II Library Archive

955970 0 1234531

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH
 ACCOUNTS PAYABLE BOX 7204
 RALEIGH, NORTH CAROLINA 27695-7204

NO. 1234531

VENDOR NO. **PAC154121**

PURCHASE ORDER NUMBER	INVOICE				TRUST FUND OR BUDGET CODE	INVOICE AMOUNT		
	NUMBER	MO.	DAY	YR.		GROSS AMOUNT	DISCOUNT	NET AMOUNT
PAC154121	ROBERT J. MARKS	04	19	95	16030	700.00		700.00
TOTALS ▶						700.00		700.00

NCSU FORM AC007 100000 JULY 77

DETACH HERE

Note 1/3 file

UNIVERSITY OF WASHINGTON
SEATTLE, WASHINGTON 98195

*Department of Electrical Engineering, FT-10
Telephone: (206) 543-6990 (office), 543-6061 (secretary),
543-2150 (main office), 776-8995 (home), 543-3842 (FAX), 776-9297 (home FAX).
marks@ee.washington.edu*

May 11, 1995

Thelma Vickers
NCSU
College of Engineering
Box 7901
Raleigh, NC 27695-7901

Thelma,

Enclosed are receipts for my visit to NCSU. Please remit the reimbursement to me at the address on the letterhead.

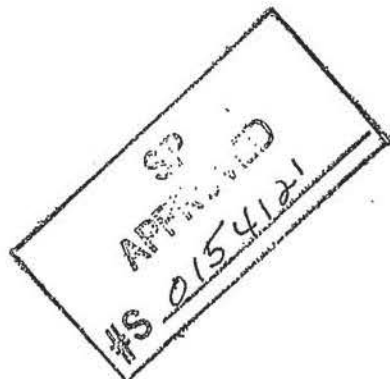
Air Fare from Seattle	\$593.00
Hotel Room*	\$ 0.00
Cab fare to R/D Airport	\$ 25.00
Shuttle Express to SeaTac Airport†	\$ 26.00
Shuttle Express from SeaTac Airport	\$ 26.00
TOTAL	\$670.00

Thank you for your help with this trip.

Sincerely,

Robert J. Marks II
Professor

* Billed directly to the Dean.
† No receipt



1995 IEEE Neural Networks Council Document
 CONFERENCE ON
 Robert J. Marks II Library Archive
COMPUTATIONAL INTELLIGENCE FOR FINANCIAL ENGINEERING
REQUEST FOR CHECK

SUBMIT TO:
 Christine Alan, Finance Chair, CIFEr
 1142 East Scott Avenue, Gilbert, Arizona 85234

Type or Print in Ink in Unshaded Areas

1. REQUESTOR'S NAME <i>Robert J. Marks II</i>	2. DATE <i>5/12/95</i>
3. REQUESTOR'S SIGNATURE	4. PHONE NUMBER <i>(206) 543-6990</i>
5. REQUESTOR'S ADDRESS <i>Dept. of Elec. Engr. University of Washington Box 352500 Seattle, WA</i>	
CITY/STATE	ZIP <i>98195</i>
6. PAYABLE TO <i>Robert J. Marks II</i>	
7. PAYEE ADDRESS <i>same as above</i>	
CITY/STATE	ZIP
8. REASON FOR CHECK: State your purpose clearly and completely. Please include the line item description from the budget in the reason. <i>18. Program Committee Travel</i>	9. AMOUNT (U.S. \$) <i>766.00</i>
	10. POSTAGE (U.S. \$)
	11. TAX (U.S. \$)
	12. TOTAL (U.S. \$) <i>766.00</i>
13. APPROVED BY: (REQUIRED IF OVER \$5,000)	
BUDGET ACCOUNT (FINANCE ONLY)	CHECK NO (FINANCE ONLY)

- ONE invoice per request for check
- Appropriate invoices/back-up to support the expense are required.
- Any request over \$5,000 must be approved by Scott Mathews, Organizational Chair, 14920 24th Ave. S.E., Bothell, Washington 98012-5718
- For travel requests, please attach a travel expense statement and put the total amount due on the Request for Check form.

5/12/95

COMPUTATIONAL INTELLIGENCE FOR FINANCIAL ENGINEERING
 TRAVEL EXPENSE REPORT

Type or Print in Ink in Unshaded Areas

Receipts required on all items over \$10.00 except meals

1. NAME: <i>Robert J. Marks II</i>		2. SIGNATURE					2. WEEK ENDING (M/D/Y) <i>4/15/95</i>	
3. PURPOSE OF TRAVEL <i>Attend CIFER Conference</i>								
4. DATE: (MONTH/DAY)	SUN 4/9	MON 4/10	TUE 4/11	WED 4/12	THU /	FRI /	SAT /	TOTALS
5. DEPARTED FROM: CITY NAME AND TIME <i>Seattle, WA 7:00 AM</i>							<i>Subtotal</i>	
6. ARRIVED AT: CITY NAME AND TIME <i>New York City, NY 4:42 PM</i>							<i>from previous page</i>	
7. MEALS (PER DIEM RATE)								
8. INCIDENTALS (EXPLAIN)								
9. LODGING	<i>**</i>	<i>**</i>	<i>**</i>	<i>154.89</i>			<i>102.36</i>	<i>257.25</i>
10. CAR RENTAL								
11. TAXI, BUS, LIMO (EXPLAIN)				<i>④ 46.75</i>			<i>38.00</i>	<i>84.75</i>
12. AIRLINE TICKET							<i>424.00</i>	<i>424.00</i>
13. PARKING								
14. TELEPHONE/TELEGRAPH (EXPLAIN)								
15. MISCELLANEOUS (EXPLAIN)								
16. PERSONAL AUTO MILEAGE MILES @ 30 CENTS PER MILE								
17. TOTAL TRIP COST				<i>201.64</i>				<i>766.00</i>
18. EXPLANATIONS: <i>④ Taxi to La Guardia 17.75 + 3.00 toll; Shuttle SeaTac to home 26.00</i>								

7. MEALS (PER DIEM RATE): Meals including tax and tips are paid based on a per diem of \$44 per day times the increment %. No receipts are required. Departure time is one hour in advance of the scheduled time of airline departure. Arrival time is one hour after ACTUAL time of airline arrival.

	Departure Increment %	Departure \$	Arrival Increment %	Arrival \$
12:01 am - 6:00 am	100%	\$44.00	25%	\$11.00
6:01 am - 12:00 noon	75%	\$33.00	50%	\$22.00
12:01 pm - 6:00 pm	50%	\$22.00	75%	\$33.00
6:01 pm - 12:00 midnight	25%	\$11.00	100%	\$44.00

8. INCIDENTALS: Enter amount of valet, tips, laundry and dry cleaning or other incidentals (laundry and dry cleaning allowed for > 5 days consecutive travel)

10. CAR RENTAL: Enter the cost on the date it was complete. People travelling together should rent one car. Midsize car is allowed for one person travelling.

12. AIRLINE TICKET: Enter the amount you paid on the date travel was complete. Tickets should be booked through Bristol Travel 1-800-762-2746.

CIFER will not reimburse meals in excess of per diem rate, personal expenses, trip insurance, entertainment, gifts or meals while lodging with friends, airline club membership fees, credit card fees, airfare upgrades to first class, TV movie rentals, and expenses for spouse or family members

Robert J Marks II

I ♡ NEW YORK
TRIP# 006107
05:43AM 04-12-95
MEDALLION# 6A79
DIST 11.40
FARE \$ 17.25
EXTRA \$ 0.50
TOT FARE\$ 17.75
TLC:212-221-TAXI

(A)

COMPUTATIONAL INTELLIGENCE FOR FINANCIAL ENGINEERING
REQUEST FOR CHECK

SUBMIT TO:

Christine Alan, Finance Chair, CIFER
1142 East Scott Avenue, Gilbert, Arizona 85234

Type or Print in Ink in Unshaded Areas

1. REQUESTOR'S NAME <i>Robert J. Marks II</i>		2. DATE <i>5/11/95</i>	
3. REQUESTOR'S SIGNATURE <i>Robert J. Marks II</i>		4. PHONE NUMBER <i>(206) 543-6990</i>	
5. REQUESTOR'S ADDRESS			
CITY/STATE		ZIP	
6. PAYABLE TO <i>Robert J. Marks II</i>			
7. PAYEE ADDRESS <i>Dept. of Elec. Engr. University of Washington Box 352500 Seattle</i>			
CITY/STATE		ZIP <i>98195</i>	
8. REASON FOR CHECK: State your purpose clearly and completely. Please include the line item description from the budget in the reason.		9. AMOUNT (U.S. \$)	
<i>18. Program Committee Travel</i>		<i>745.25</i>	
		11. TAX (U.S. \$)	
		12. TOTAL (U.S. \$) <i>\$745.25</i>	
13. APPROVED BY: (REQUIRED IF OVER \$5,000)			
BUDGET ACCOUNT (FINANCE ONLY)		CHECK NO (FINANCE ONLY)	

Redione

- ONE invoice per request for check
- Appropriate invoices/back-up to support the expense are required.
- Any request over \$5,000 must be approved by Scott Mathews, Organizational Chair, 14920 24th Ave. S.E., Bothell, Washington 98012-5718
- For travel requests, please attach a travel expense statement and put the total amount due on the Request for Check form.

Under penalty of perjury, I hereby certify that I incurred the cost of \$ 11.00
for shuttle from LaGuardia Airport to hotel. No receipt is being presented
because receipt was lost


Signature

288-48-2721
ID #

**COMPUTATIONAL INTELLIGENCE FOR FINANCIAL ENGINEERING
 TRAVEL EXPENSE REPORT**

Type or Print in Ink in Unshaded Areas

Receipts required on all items over \$10.00 except meals

1. NAME: <i>R J Marks II</i>		2. SIGNATURE: <i>[Signature]</i>				2. WEEK ENDING (M/D/Y) <i>4/15/95</i>			
3. PURPOSE OF TRAVEL: <i>Attend CIFE Conf</i>									
4. DATE: (MONTH/DAY)	SUN /	MON /	TUE /	WED /	THU /	FRI 4/7	SAT 4/8	SUB TOTALS	
5. DEPARTED FROM: <i>Seattle</i> CITY NAME AND TIME <i>7:00 AM</i>									
6. ARRIVED AT: <i>New York City</i> CITY NAME AND TIME <i>4:42 PM</i>									
7. MEALS (PER DIEM RATE)									
8. INCIDENTALS (EXPLAIN)									
9. LODGING						<i>102.36*</i>	<i>**</i>	<i>102.36</i>	
10. CAR RENTAL									
11. TAXI, BUS, LIMO (EXPLAIN)						<i>38.00**</i>		<i>38.00</i>	
12. AIRLINE TICKET						<i>424.00</i>		<i>424.00</i>	
13. PARKING									
14. TELEPHONE/TELEGRAPH (EXPLAIN)									
15. MISCELLANEOUS (EXPLAIN)									
16. PERSONAL AUTO MILEAGE MILES @ 30 CENTS PER MILE									
17. TOTAL TRIP COST						<i>564.36</i>		<i>564.36</i>	
18. EXPLANATIONS: <i>* Room shared with Don Wunsch ** Lodging provided * ** 27.00 Shuttle: Home to SeaTac \$11.00 LaGuardia to Hotel (no receipt)</i>									

7. MEALS (PER DIEM RATE): Meals including tax and tips are payed based on a per diem of \$44 per day times the increment %. No receipts are required.

Departure time is one hour in advance of the Scheduled time of Airline Departure. Arrival time is one hour after ACTUAL time of Airline Arrival

	Departure Increment %	Departure \$	Arrival Increment %	Arrival \$
12:01 am 6:00 am	100%	\$44.00	25%	\$11.00
6:01 am 12:00 noon	75%	\$33.00	50%	\$22.00
12:01 pm 6:00 pm	50%	\$22.00	75%	\$33.00
6:01 pm 12:00 midnight	25%	\$11.00	100%	\$44.00

8. INCIDENTALS: Enter amount of valet, tips, laundry and dry cleaning or other incidentals (laundry and dry cleaning allowed for > 5 days consecutive travel)

10. CAR RENTAL: Enter the cost on the date it was complete. People traveling together should rent one car. Midsize car is allowed for one person traveling.

12. AIRLINE TICKET: Enter the amount you paid on the date travel was complete. Tickets should be booked through Bristol Travel 1-800-762-2746.

CIFE will not reimburse meals in excess of per diem rate, personal expenses, trip insurance, entertainment, gifts or meals while lodging with friends, airline club membership fees, credit card fees, airfare upgrades to first class, TV movie rentals, and expenses for spouse or family members.

CONFERENCE ON
COMPUTATIONAL INTELLIGENCE FOR FINANCIAL ENGINEERING
TRAVEL EXPENSE REPORT

Type or Print in Ink in Unshaded Areas

Receipts required on all items over \$10.00 except meals

1. NAME: R J Marks II	2. SIGNATURE: <i>Robert J. Marks</i>		2. WEEK ENDING (M/D/Y) 4/15/95					
3. PURPOSE OF TRAVEL Attend CIFE Conference								
4. DATE: (MONTH/DAY)	SUN 4/9	MON 4/10	TUE 4/11	WED 4/12	THU /	FRI /	SAT /	TOTALS
5. DEPARTED FROM: Seattle CITY NAME AND TIME 7:00A								
6. ARRIVED AT: New York City CITY NAME AND TIME 4:42P								564.36
7. MEALS (PER DIEM RATE)								
8. INCIDENTALS (EXPLAIN)								
9. LODGING	***	***	***	154.89				154.89
10. CAR RENTAL								
11. TAXI, BUS, LIMO (EXPLAIN)				④ 26.00				26.00
12. AIRLINE TICKET								
13. PARKING								
14. TELEPHONE/TELEGRAPH (EXPLAIN)								
15. MISCELLANEOUS (EXPLAIN)								
16. PERSONAL AUTO MILEAGE MILES @ 30 CENTS PER MILE								
17. TOTAL TRIP COST				180.89				745.25
18. EXPLANATIONS: ④ Taxi to LaGuardia 17.75 + 3.00 toll; shuttle SeaTac to home 26.00								

7. MEALS (PER DIEM RATE): Meals including tax and tips are payed based on a per diem of \$44 per day times the increment %. No receipts are required. Departure time is one hour in advance of the Scheduled time of Airline Departure. Arrival time is one hour after ACTUAL time of Airline Arrival

	Departure Increment %	Departure \$	Arrival Increment %	Arrival \$
12:01 am 6:00 am	100%	\$44.00	25%	\$11.00
6:01 am 12:00 noon	75%	\$33.00	50%	\$22.00
12:01 pm 6:00 pm	50%	\$22.00	75%	\$33.00
6:01 pm 12:00 midnight	25%	\$11.00	100%	\$44.00

8. INCIDENTALS: Enter amount of valet, tips, laundry and dry cleaning or other incidentals (laundry and dry cleaning allowed for > 5 days consecutive travel)

10. CAR RENTAL: Enter the cost on the date it was complete. People travelling together should rent one car. Midsize car is allowed for one person travelling.

12. AIRLINE TICKET: Enter the amount you paid on the date travel was complete. Tickets should be booked through Bristol Travel 1-800-762-2746.

CIFE will not reimburse meals in excess of per diem rate, personal expenses, trip insurance, entertainment, gifts or meals while lodging with friends, airline club membership fees, credit card fees, airfare upgrades to first class, TV movie rentals, and expenses for spouse or family members

Redone

Robert J Marks II



Stang TRAVEL SERVICE, INC.

806 J. VANCE BLDG. • 1402 THIRD AVE.
SEATTLE, WASHINGTON 98101-2118



TEL (206) 623-3957
FAX (206) 622-9552

SALES PERSON: JT

ITINERARY
QXQYX

DATE: 06 APR 95
PAGE: 01

TO: C/O UNIVERSITY OF WASHINGTON
DEPT OF EE FT-10
SEATTLE, WA 98195

ITINERARY

TERMS: The invoice below represents an immediate transfer of funds on your behalf and is payable within 5 days unless prior credit arrangements have been made. Overdue accounts are subject to 1 1/2% per month interest from date of invoice.

FOR: MARKS/ROBERT DR

DATE	DAY	AIR	CARRIER	FLY TO	FLY FROM	CLASS	TIME	STATUS	MEALS
08 APR 95	SATURDAY	AIR	NORTHWEST AIRLINES	FLY TO: SEATTLE TACOMA	FLY FROM: MINNEAPOLIS ST PL	ECONOMY	700A	OK	BREAKFAST
				MARKS/ROBERT DR			1209P		NON-STOP
		AIR	NORTHWEST AIRLINES	FLY TO: NEW YORK LGA	FLY FROM: MINNEAPOLIS ST PL	ECONOMY	105P	OK	SNACK
				MARKS/ROBERT DR			442P		NON-STOP
12 APR 95	WEDNESDAY	AIR	NORTHWEST AIRLINES	FLY TO: NEW YORK LGA	FLY FROM: SEATTLE TACOMA	ECONOMY	830A	OK	BREAKFAST
				MARKS/ROBERT DR			1032A		NON-STOP
		AIR	NORTHWEST AIRLINES	FLY TO: SEATTLE TACOMA	FLY FROM: MINNEAPOLIS ST PL	ECONOMY	1130A	OK	LUNCH
				MARKS/ROBERT DR			1259P		NON-STOP

See below for Airline Form, Serial Number

PASSENGER TICKET AND BAGGAGE CHECK ISSUED BY NORTHWEST AIRLINES		SUBJECT TO CONDITIONS CONTAINED IN THIS TICKET		CONJUNCTION TICKET(S)		ORIGIN/DESTINATION SEA/SEA	
(12-98) ENDORSEMENTS/RESTRICTIONS (CARBON)		ARC PASSENGER COUPON		DATE OF ISSUE 04APR95		BOOKING REFERENCE QXQYX	
(12-98) PASSENGER NAME MARKS/ROBERT DR		NOT TRANSFERABLE		ISSUED IN EXCHANGE FOR		STANG TRAVEL PSGR CPNWA 50 86127-4/	
-X/O FROM NOT GOOD FOR PASSAGE		CARRIER	FLIGHT	CLASS	DATE	TIME	STATUS-FARE BASIS/TKT. DESIGNATOR
TO SEATTLE TACOMA		NW	922	M	08APR	840A	OK MDGWA
X TO MINNEAPOLIS ST PL		NW	110	M	08APR	230P	OK MDGWA
O TO NEW YORK LGA		NW	1737	M	12APR	830A	OK MDGWA
X TO MINNEAPOLIS ST PL		NW	7	M	12APR	1130A	OK MDGWA
FARE		BAGGAGE CHECKED	POS.	WT.	UNCHECKED	PCS.	WT.
USD 374.54		UNCHECKED			UNCHECKED		
EQUIV. FARE PD.		XFSEA3MSP3LGA3MSP3					
TAX		37.46US					
TAX		12.00XF					
TOTAL		USD 424.00					
AL-AGY. INFO.		FORM		SERIAL NUMBER		ORIG. ISSUE	
CONTROL NO.		012		7765630302 3		0125	

Robert J. Marks II

CROWNE PLAZA
MANHATTAN

1605 BROADWAY
NEW YORK, NY 10019
TEL: 212 977-4000

7

MARKS. ROBERT*****
IEEE/CONF COMP INTELL FOR F
1131 199TH ST SW
LYNNWOOD. WA
98036

ARRIVAL 4/09/95
DEPARTURE 4/12/95
NO. IN PARTY 1
RATE 135.00

IEEE04

*** FINAL ***

ACCT. NO. 795058

ROOM NO. 4419

CHECK-OUT TIME 12:00 NOON

#	DATE	DESCRIPTION	AMOUNT
2	4/09/95	IN HOUSE MOVIES...../4419/2330 4-9/22:42/MISC. GC	8.61
7	4/10/95	PHONE-LOCAL...../4419/4108838001 19:09/3557300	.96
12	4/10/95	IN HOUSE MOVIES...../4419/2420 4-10/23:09/MISC. GC	8.61
13	4/11/95	ROOM CHARGE...../4419/1	135.00
14	4/11/95	N.Y.S. SALES TAX..../4419/1	11.14
15	4/11/95	N.Y.C. TAX...../4419/1	6.75
16	4/11/95	N.Y.C. OCCUPANCY TAX/4419/1	2.00
17	4/12/95	DISCOVER CARD...../95/795058 6011009675000843	173.07-
		C/O CLERK-JEI TIME- 6:42	* BALANCE DUE * CONFIRMATION # 5837368 .00

OK'D BY:

COMPANY

STREET

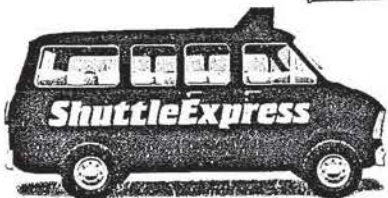
I agree that my liability for this bill is not waived and agree to be held personally liable in the event that the indicated person, company or association fails to pay for any part or the full amount of these charges.

CITY

STATE

POSTAL CODE

SIGNATURE



We promise friendly quality service.

(206) 622-1424

805 LENORA ST
SEATTLE, WA 98121
1-800-487-RIDE



Toll

RECEIPT

04/12/95 06H57 TMB 06 1 3.00

MONTH/DAY/YEAR	TIME	LANE NO	\$ PAID
BRIDGE or TUNNEL		VEHICLE CLASS	

Robert J Marks II



NYC

(206) 622-1424
 805 LENORA ST
 SEATTLE, WA 98121
 1-800-487-RIDE

We promise friendly quality service.

RECEIPT DATE 4/8 AMOUNT \$25



1605 BROADWAY
 NEW YORK, NY 10019
 TEL: 212 977-4000

Bob - Here it is!
Don

WUNSCH. DONALD MR ()
 RTE CHNG
 POB 43102 L
 LOVIETT. TX
 79409

ARRIVAL 4/07/95
 DEPARTURE 4/11/95
 NO. IN PARTY 1
 RATE 142.00

*** DUPLICATE ***

ACCT. NO. 793106

ROOM NO. 2404

CHECK-OUT TIME 12:00 NOON

#	DATE	DESCRIPTION	AMOUNT
2	4/07/95	PHONE-LOCAL...../2404/4071389010 20:34/7187825663	1.15
3	4/07/95	ROOM CHARGE...../2404/1	179.00
4	4/07/95	N.Y.S. SALES TAX..../2404/1	14.77
5	4/07/95	N.Y.C. TAX...../2404/1	8.95
6	4/07/95	N.Y.C. OCCUPANCY TAX/2404/1	2.00
7	4/07/95	IN HOUSE MOVIES...../2404/2136 4-8/00:53/MISC-SRV	8.61
8	4/08/95	ROOM CHARGE...../2404/1	179.00
9	4/08/95	N.Y.S. SALES TAX..../2404/1	14.77
10	4/08/95	N.Y.C. TAX...../2404/1	8.95
11	4/08/95	N.Y.C. OCCUPANCY TAX/2404/1	2.00
12	4/09/95	ROOM CHARGE...../2404/1	142.00
13	4/09/95	N.Y.S. SALES TAX..../2404/1	11.72
14	4/09/95	N.Y.C. TAX...../2404/1	7.10
15	4/09/95	N.Y.C. OCCUPANCY TAX/2404/1	2.00
16	4/10/95	PHONE-LOCAL...../2404/4106269003 07:57/7187825663	1.01

Shared: Wunsch & Marks

CONTINUE...

OK'D BY: _____ COMPANY _____ STREET _____

I agree that my liability for this bill is not waived and agree to be held personally liable in the event that the indicated person, company or association fails to pay



1605 BROADWAY
 NEW YORK, NY 10019
 TEL: 212 977-4000

Bob - Here it is!
Don

WUNSCH, DONALD MR (1)
 RTE CHING
 POB 43102 L
 LOVIETT, TX
 79409

ARRIVAL 4/07/95
 DEPARTURE 4/11/95
 NO. IN PARTY 1
 RATE 142.00

*** DUPLICATE ***

ACCT. NO. 793106

ROOM NO. 2404

CHECK-OUT TIME 12:00 NOON

#	DATE	DESCRIPTION	AMOUNT
2	4/07/95	PHONE-LOCAL...../2404/4071389010 20:34/7187825663	1.15
3	4/07/95	ROOM CHARGE...../2404/1	179.00
4	4/07/95	N.Y.S. SALES TAX...../2404/1	14.77
5	4/07/95	N.Y.C. TAX...../2404/1	8.95
6	4/07/95	N.Y.C. OCCUPANCY TAX/2404/1	2.00
7	4/07/95	IN HOUSE MOVIES...../2404/2136 4-8/00:53/MISC-SRV	8.61
8	4/08/95	ROOM CHARGE...../2404/1	179.00
9	4/08/95	N.Y.S. SALES TAX...../2404/1	14.77
10	4/08/95	N.Y.C. TAX...../2404/1	8.95
11	4/08/95	N.Y.C. OCCUPANCY TAX/2404/1	2.00
12	4/09/95	ROOM CHARGE...../2404/1	142.00
13	4/09/95	N.Y.S. SALES TAX...../2404/1	11.72
14	4/09/95	N.Y.C. TAX...../2404/1	7.10
15	4/09/95	N.Y.C. OCCUPANCY TAX/2404/1	2.00
16	4/10/95	PHONE-LOCAL...../2404/4106269003 07:57/7187825663	1.01

CONTINUE...

OK'D BY:	COMPANY	STREET
I agree that my liability for this bill is not waived and agree to be held personally liable in the event that the indicated person, company or association fails to pay for any part or the full amount of these charges.		
CITY	STATE	POSTAL CODE
SIGNATURE		

(P)

Post, Side

UNIVERSITY OF WASHINGTON
SEATTLE, WASHINGTON 98195

*Department of Electrical Engineering, FT-10
Telephone: (206) 543-6990 (office), 543-6061 (secretary),
543-2150 (main office), 776-8995 (home), 543-3842 (FAX), 776-9297 (home FAX).
marks@ee.washington.edu*

May 11, 1995

Thelma Vickers
NCSU
College of Engineering
Box 7901
Raleigh, NC 27695-7901

Thelma,

Enclosed are receipts for my visit to NCSU. Please remit the reimbursement to me at the address on the letterhead.

Air Fare from Seattle	\$593.00
Hotel Room*	\$ 0.00
Cab fare to R/D Airport	\$ 25.00
Shuttle Express to SeaTac Airport†	\$ 26.00
Shuttle Express from SeaTac Airport	\$ 26.00
TOTAL	\$670.00

Thank you for your help with this trip.

Sincerely,



Robert J. Marks II
Professor

* Billed directly to the Dean.
† No receipt

AMOUNT \$ 26

city service.
 (206) 622-1424
 805 LENORA ST
 SEATTLE, WA 98121
 1-800-487-RIDE

American AIR
 Special Rates For Commercial
 "AIRPORT & CITY SERVICE"

From _____
 To _____
 Date _____
 Amount \$ 25
 Driver _____

821-0095
PROMPT & DEPENDABLE 24 H
 FOR ADVANCE RESERVATIONS CALL 821-7755



(919) 828-0333

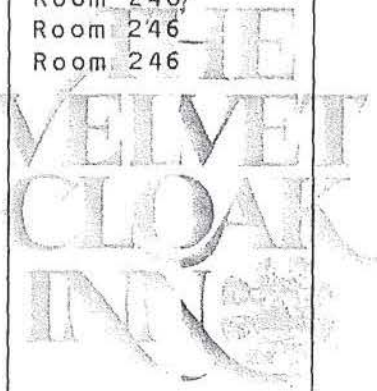
1505 Hillsborough Street, Raleigh, North Carolina 27605

MARKS, ROBERT
 BOX 7901
 RALEIGH, NC
 27695

ROOM ARRIVAL 246
 DEPART 04/17/95
 RESV. # 04/19/95
 MOP 1742
 Wed 04/19/95 7.26A Cn7

RATES DO NOT INCLUDE APPLICABLE SALES OCCUPANCY OR OTHER TAXES

DATE	DESCRIPTION	REFERENCE	CHARGE	CREDIT	BALANCE
04/17	ROOM	Room 246	51.00		
04/17	ROOM SALES TAX	Room 246	3.06		
04/17	OCCUPANCY TAX	Room 246	3.06		
04/18	LONG DISTANCE	12066857796 2218	9.39		
04/18	ROOM	Room 246	51.00		
04/18	ROOM SALES TAX	Room 246	3.06		
04/18	OCCUPANCY TAX	Room 246	3.06		
	Total amount due:				=====
					123.63



THANK YOU FOR STAYING WITH US
 AND WE HOPE YOU WILL RETURN SOON

GUEST SIGNATURE _____
 FIRM NCSU DEAN OF ENGINEERING
 BOX 7901
 ADDRESS RALEIGH, NC 27695
 CITY STATE ZIP



1995 IEEE Neural Networks Council Document
 Robert J. Marks II Library Archive
Stang TRAVEL SERVICE, INC.

806 J. VANCE BLDG. • 1402 THIRD AVE.
 SEATTLE, WASHINGTON 98101-2118



TEL (206) 623-3957
 FAX (206) 622-9552

SALES PERSON: JT

ITINERARY/INVOICE NO. 0000349
 TRWNPY

DATE: 13 APR 95
 PAGE: 01

TO: C/O UNIVERSITY OF WASHINGTON
 DEPT OF EE FT-10
 SEATTLE, WA 98195

ITINERARY

TERMS: The invoice below represents an immediate transfer of funds on your behalf and is payable within 5 days unless prior credit arrangements have been made. Overdue accounts are subject to 1 1/2% per month interest from date of invoice.

FOR: MARKS/ROBERT DR

APR 15 - MONDAY
 AIR NORTHWEST AIRLINES FLT: 264 ECONOMY BREAKFAST
 LV SEATTLE TACOMA 330A
 AR DETROIT METRO 545P
 MARKS/ROBERT DR NW-230378481
 AIR NORTHWEST AIRLINES FLT: 1726 ECONOMY
 LV DETROIT METRO 500P
 AR RALEIGH DURHAM 637P
 MARKS/ROBERT DR NW-230378481
 APR 15 - MONDAY
 AIR NORTHWEST AIRLINES FLT: 1727 ECONOMY
 LV RALEIGH DURHAM 405P
 AR DETROIT METRO 553P
 MARKS/ROBERT DR SEAT-260 NW-230378481
 AIR NORTHWEST AIRLINES FLT: 281 ECONOMY DINNER
 LV DETROIT METRO 655P
 AR SEATTLE TACOMA 846P
 MARKS/ROBERT DR SEAT- 60 NW-230378481

AIR TICKET NW7765630403 MARKS ROBERT DR 593.00
 BILLED TO AX378743691952005
 SUB TOTAL 593.00
 NET CC BILLING 593.00

ALIC: W

PASSENGER TICKET AND BAGGAGE CHECK ISSUED BY NORTHWEST AIRLINES SUBJECT TO CONDITIONS CONTAINED IN THIS TICKET CONJUNCTION TICKETS(S)

ORIGIN/DESTINATION: SEA/SEA

ARC PASSENGER COUPON DATE OF ISSUE: 13APR95

PASSENGER NAME: MARKS/ROBERT DR NOT TRANSFERABLE

ISSUED AND EXCHANGE FOR: ITINERARY

See below for Airline Form, Serial Number

STANG TRAVEL
 PSGR CPN: 60 0412704 /

X/O	FROM	NOT GOOD FOR PASSAGE	CARRIER	FLIGHT	CLASS	DATE	TIME	STATUS	FARE BASIS/TKT. DESIGNATOR	NOT VALID AFTER	ALLOW
	SEATTLE TACOMA		NW	264	B	17APR	830A	OK	BDWA		
Y	DETROIT METRO		NW	1726	B	17APR	500P	OK	BDWA		
O	RALEIGH DURHAM		NW	1727	B	19APR	405P	OK	BDWA		
Y	DETROIT METRO		NW	281	B	19APR	655P	OK	BDWA		

FARE: 530.00
 TAX: 53.10US
 TAX: 2.00XF

FORM OF PAYMENT: AM70763401080006 10/96 ORIGINAL ISSUE: 000000

CONTROL NO. 011 012 7765630403 6 □

64944075772

DO NOT MARK OR WRITE IN THE WHITE AREA ABOVE

1995 IEEE Neural Networks Council Document
 Robert J. Marks II Library Archive

IEEE 345 East 47th Street, New York, N.Y. 10017-2394, U.S.A.

075399

28-APR-95		CUST. ACCT. NO.	VENDOR NAME	Marks, Robert J II	VENDOR NO.	06402291
INVOICE NO.	INVOICE DATE	DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT		
16-MAR-95	24-APR-95	Expense report for the period ending 16-MAR-95	.00	697.99		
16-MAR-95b	25-APR-95	Expense report for the period ending 16-MAR-95	.00	316.35		
			\$.00	\$1,014.34		

PLEASE DETACH AND RETAIN THIS STATEMENT AS YOUR RECORD OF PAYMENT

Thank You

Robert J. Marks II Library Archive

From karplus@CS.UCLA.EDU Wed Mar 1 12:07:35 1995
Return-Path: <karplus@CS.UCLA.EDU>
Received: from mx4.u.washington.edu by
carson.u.washington.edu
(5.65+UW95.02/UW-NDC Revision: 2.32) id AA01284;
Wed, 1 Mar 95 12:07:33 -0800
Received: from edison.ee.washington.edu by
mx4.u.washington.edu
(5.65+UW95.02/UW-NDC Revision: 2.31) id AA11089;
Wed, 1 Mar 95 12:07:22 -0800
Received: from Lanai.CS.UCLA.EDU by edison.ee.washington.edu
(5.65/UW-NDC Revision: 2.6) id AA12150; Wed, 1 Mar 95
12:10:49 -0800
Received: by lanai.cs.ucla.edu
(Sendmail 4.1/3.27) id AA14056;
Wed, 1 Mar 95 12:04:39 PST
Date: Wed, 1 Mar 95 12:04:38 PST
From: Dr Walter Karplus <karplus@CS.UCLA.EDU>
Message-Id: <950301.200438z.13999.karplus@lanai.cs.ucla.edu>
To: nnc-adcom@CS.UCLA.EDU
Subject: NNC Meetings
Status: R

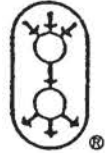
Here are the room assignments of scheduled NNC Committee Meetings during VRAIS at the Sheraton Imperial Hotel in Research Triangle Park:

Publications Committee	3/11 8am-5pm	Crown A
Meetings Committee	3/11 3pm-5pm	Bull Durham A
ExCom	3/11 6pm-11pm	Crown A
ExCom	3/12 8am-12pm	Crown B
AdCom	3/12 1pm-11pm	Empire A/B

Standards Committee - Mary Lou Padgett's suite.

Location: Sheraton Imperial Hotel
Research Triangle Park, NC
(919) 941-5050

8:00 PM
↓
Lobby



TRANSACTIONS ON NEURAL NETWORKS
NEURAL NETWORKS COUNCIL

Robert J. Marks II
Editor-in-Chief

PLEASE REPLY TO:
University of Washington
Department of Electrical Engineering
c/o 1131 199th Street S.W., Suite N
Lynnwood, WA 98036-7138 USA

March 14, 1995

Piero P. Bonissone, Vice President - Finance
IEEE Neural Networks Council
General Electric Company
Bldg. K-1, Room 5C32A
P.O. Box 8
Schenectady, NY 12301

Dear Piero,

Enclosed are expenses related to my attendance to the NNC AdCom Meeting this weekend.

I ask that they be charged to my account as Editor-in-Chief.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Marks II", is written over a large, light-colored scribble.

Robert J. Marks, Editor-in-Chief
IEEE Transactions on Neural Networks

Robert J. Marks II
SS# [REDACTED]
IEEE# 6402291



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
 EXPENSE REPORT FOR PERIOD ENDING

3/16 19 95

IEEE

TRAVELING IN CAPACITY OF (CHECK ONE)

- MEMBER OF IEEE STAFF _____ (Dept.)
- MEMBER OF IEEE BD. OF DIRECTORS/EXECUTIVE COMM.
- IEEE REGIONAL DIRECTOR
- IEEE STANDING BOARD OR COMMITTEE REPRESENTATIVE
- SOCIETY OFFICER
 Editor TNN, AdCom Rep
 (Name of Board, Committee or Society)

NAME Robert J. Marks II									
(ADDRESS TO SEND CHECK) Dept of EE - Univ of WA									
Box 352500									
Seattle, WA 98195 - 2500									

TRIP AUTHORIZATION NO. _____

PURPOSE OF TRIP - NOTE EACH DAY'S ACTIVITY

PROVIDE DETAILS AND FULL SUPPORT ON ITEMS (1), THROUGH (5)

Travel
NNC Publications Committee Meeting
NNC AdCom Meeting
Travel

DETAILS	DATE	To: Research Triangle Park	To: Seattle	TOTAL EXPENSE	CHARGED DIRECT TO IEEE (5)	
	TOWN	3/10	3/11			3/12
PERSNL. AUTO MILEAGE						
TRANSPORTATION TOLLS - PARKING						
MILEAGE ALLOWANCE						
TAXI - BUS SEE REVERSE SIDE (1)						
PLANE - TRAIN - AUTO RENTAL		593 00			593 00	
LODGING/SELF						
MEALS/SELF SEE REVERSE SIDE (2)			8 37	23 09	8 72	40 51
OFFICIAL GUEST SEE REVERSE SIDE (3)				8 48		8 48
MISCELLANEOUS TEL & TEL						
TIPS - GRATUITIES					2 00	2 00
OTHER (4)						
TOTAL EXPENSE		593 00	8 37	31 57	10 72	643 99

PROVIDE DETAILS BELOW AND ATTACH FULL SUPPORT ON ITEMS (4) AND (5).

LESS CHARGED DIRECT TO IEEE

LESS ADVANCE FROM IEEE

BALANCE DUE FROM ~~XXX~~ IEEE

643 99

ACCOUNT NO.

AMOUNT

697.99

SIGNATURE *[Signature]* DATE _____
 APPROVAL _____ DATE _____
 APPROVAL _____ DATE _____

AMOUNT OF CHECK

\$

BELOW FOR ACCOUNTING DEPT. USE ONLY

VENDOR NO.

DISTRIBUTED BY

APPROVED BY

PROVIDE DETAILS BELOW OF SUMMARY EXPENSES
AS REPORTED ON FRONT OF THIS REPORT

TAXI - BUS (1)

DATE	AMOUNT	FROM	TO
3/10	27.00	Lynnwood (Home)	Sea Tac Airport
3/13	27.00	Sea Tac Airport	Lynnwood (Home)

MEALS - SELF (2)

DATE	AMOUNT	BREAKFAST	LUNCH	DINNER	SOCIAL
3/11	8.37	8.37			
3/12	23.09	7.59		15.50	
3/13	8.72	8.72			

MEALS - OFFICIAL GUEST (3)

DATE	AMOUNT	NAME/NAMES OF GUEST	PURPOSE OF MEETING
3/12	8.48	ExCom: Karplus, Snyder, Bezdek, Bonissone, Lau, Simpson	Discuss future of NNC



Sheraton Imperial
 HOTEL & CONVENTION CENTER

ITT Sheraton
 WORLDWIDE HOTELS, INNS, RESORTS & ALL-SUITES

I-40 EXIT 282 at PAGE ROAD RESEARCH TRIANGLE PARK NORTH CAROLINA 27709
 919/941-5050

Folio: YB794 / 312

Page: 1 / KAB

ROBERT MARKS

Arrive: 03/10/95 10:28 PM

Seattle, WA, 98195

Depart: 03/13/95 IN

①

ACTIVITY DATE	VOUCHER	DESCRIPTION	CHARGES/CREDITS
03/10/95	PV LNET 312	Lodgenet MOVIE L/N	8.95
03/10/95	R2 312	Rooms-Group N/A	95.00
03/10/95	SR 312	Sales Tax-Rooms N/A	5.70
03/10/95	RT 312	Lodging Tax N/A	4.75
03/11/95	RO 004210	Cascades <i>Breakfast</i> M/R	8.37
03/11/95	R2 312	Rooms-Group N/A	95.00
03/11/95	SR 312	Sales Tax-Rooms N/A	5.70
03/11/95	RT 312	Lodging Tax N/A	4.75
03/12/95	RO 004508	Cascades <i>Breakfast</i> M/R	7.59
03/12/95	RO 002550	Cascades <i>ExCom Coffee</i> M/R	8.48
03/12/95	R2 312	Rooms-Group N/A	95.00
03/12/95	SR 312	Sales Tax-Rooms N/A	5.70
03/12/95	RT 312	Lodging Tax N/A	4.75
BALANCE DUE			349.74

I agree to be held personally liable if the indicated person, company, or association fails to pay any or the full amount of these charges.

SIGNATURE

PASSENGER TICKET AND BAGGAGE CHECK ISSUED BY NORTHWEST AIRLINES

CONJUNCTION TICKET(S)

See below for Airline Form, Serial Number 3

ENDORSEMENTS/RESTRICTIONS (CARBON)

ARC PASSENGER COUPON

ORIGIN/DESTINATION: SEA/SEA
 BOOKING REFERENCE: GUNTOT
 ISSUED IN EXCHANGE FOR:

STAND TRAVEL

PSGR CPN 50 86127-4/

PASSENGER NAME: MARKS/ROBERT J DR NOT TRANSFERABLE

DATE OF ISSUE: 01MAR95

TO	CARRIER	FLIGHT	CLASS	DATE	TIME	STATUS	FARE BASIS/TKT	DESIGNATOR
SEATTLE TACOMA	NW	266	D	10MAR	1225P	OK	RDGWA	
DETROIT METRO	NW	367	R	10MAR	830P	OK	RDGWA	
RALEIGH DURHAM	NW	1223	R	13MAR	925A	OK	RDGWA	
DETROIT METRO	NW	265	R	13MAR	1200N	OK	RDGWA	

FARE CALCULATION: USD 530.90 REA NW X/DTT NW RDU265.45 NW X/DTT NW SEAR265.45 530.90 END

TAX: 53.10US
 TAX: 9.00XF
 TOTAL: 593.00
 CONTROL NO: 0011/ 89178232480
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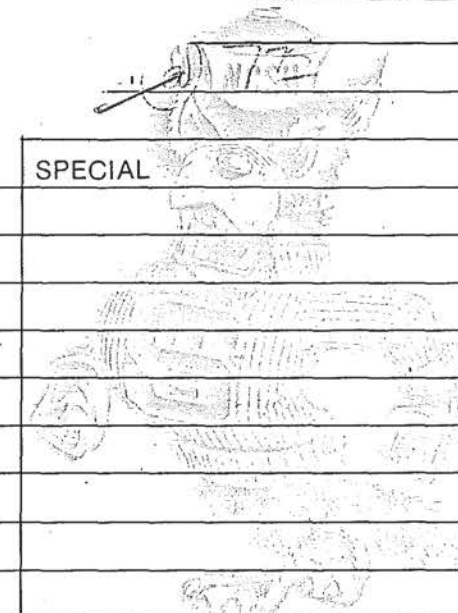
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Department of Electrical Engineering, FT-10
Telephone: (206) 543-6990 (office), 543-6061 (secretary),
543-2150 (main office), 776-8995 (home), 543-3842 (FAX).
marks@u.washington.edu

March 14, 1995

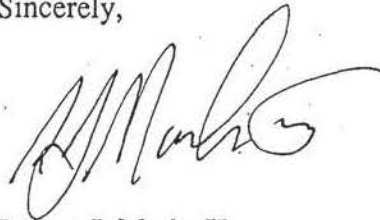
Piero P. Bonissone, Vice President - Finance
IEEE Neural Networks Council
General Electric Company
Bldg. K-1, Room 5C32A
P.O. Box 8
Schenectady, NY 12301

Piero,

Enclosed is my hotel bill for the AdCom meeting.

I ask that this be charged for the representation of the LEOS Society.

Sincerely,



Robert J. Marks II
Professor
LEOS Representative to the NNC AdCom

Robert J. Marks II
SS# [REDACTED]
IEEE# 6402291



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03/11/95	R2 312	Rooms-Group N/A	95.00
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03/11/95	RT 312	Lodging Tax N/A	4.75
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THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
 EXPENSE REPORT FOR PERIOD ENDING

3/16/95 19

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3. REQUESTOR'S SIGNATURE 	4. PHONE NUMBER 206-543-6990
5. REQUESTOR'S ADDRESS Same as below	
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6. PAYABLE TO Robert J. Marks II	
7. PAYEE ADDRESS Dept. of Elec. Engr. University of Washington Box 352500	
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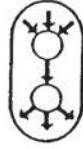
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NEURAL NETWORKS COUNCIL



Piero P. Bonissone, Ph.D.
Treasurer

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Tel: (518) 387-5155
Fax: (518) 387-6845
E-mail: Bonissone@crd.ge.com

November 29, 1994

Marilyn Prusan
Finance Administrator
IEEE Technical Activities
445 Hoes Lane
P.O. Box 1331
Piscataway, NJ 08855-1331

Dear Ms. Prusan:

At the request of Dr. Robert Marks, Editor of TNN, please pay \$ 275.21 for expenses related with the TNN editing. Please charge this expenditure against the TNN budget.

Please mail check for \$275.21 to:

Dr. Robert J. Marks, II
Dept. of EE - FT-10
University of Washington,
Seattle, WA 98195

If you have any questions or comments please contact me.

Sincerely

A handwritten signature in black ink, appearing to read 'Piero P. Bonissone'.

Piero P. Bonissone, NNC VP Finances, 1994

Attachments: ~~Expense Account~~ and original receipts
cc: Robert Marks



IEEE# 6402291

UNIVERSITY OF WASHINGTON

Department of Electrical Engineering

June 29, 1995

Piero B. Bonissone, Vice President for Finance
IEEE Neural Networks Council
General Electric Company
Bldg. K-1, Room 5C32A
P.O. Box 8
Schenectady, NY 12301

Dr. Bonissone:

Enclosed are expense reports for the recent NNC AdCom meeting and a TNN meeting held in Washington, D.C. June 21-23:

1. As LEOS Representative to AdCom	\$557.00
2. As Editor of TNN:	<u>407.06</u>
TOTAL	\$964.06

Please note my new address at the University of Washington:

Prof. Robert J. Marks II
Dept. of Elec. Engr.
University of Washington
Box 352500 - 2500
Seattle, WA 98195

Sincerely,

Robert J. Marks II
Professor

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Fax (310) 825-2273

9, 1995

Robert J Marks II
University Of Washington
Department Of Electrical Engineering
311 199th Street S.W., Ste N
Burien, WA 98036-7138

Com Member or Society President:

As you will find the read-ahead materials for our March 12 AdCom meeting. Additional
and announcements will be handed out at the meeting.

Meeting will start promptly at 1:00 p.m., and I will make every effort to finish the meeting before
Committee chair's and officers' reports will be short and sweet (I hope). Important
discussions are the proposed split of the Transaction on Neural Networks, the proposed
with SMC and the proposed formation of a Society for Computational Intelligence.

Be as lively bright-eyed and bushy-tailed.

Regards,

A handwritten signature in black ink, appearing to read "RJM", with a long horizontal flourish extending to the right.

Robert J. Marks II

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NNC COMMITTEE CHAIRS

1995

Standing Committees

ls

hamad H. Hassoun

tional Activities

en Haines

rs

gar Snachez-Sinencio

nations and Appointments

rick K. Simpson

nal Interest Groups

-yuen Chow

ards

ry Lou Padgett

Tutorials

hamed El-Sharkawi

Technical Committees

Computational Finance

Scott Mathews

Evolutionary Computations

David B. Fogel

Fuzzy Systems

Enrique H. Ruspini

Neural Networks

Jacek Zurada

Virtual Reality

Thomas P. Claudell

IEEE NEURAL NETWORKS COUNCIL

Administrative Committee (AdCom) Meeting

Sheraton Imperial Hotel and Convention Center
Research Triangle Park, North Carolina

March 12, 1995

Agenda

LL CALL AND WELCOME (Karplus)

VIEW AND ADOPTION OF AGENDA (Karplus)

PRESENT AGENDA (Karplus)

TAB #1

Approval of Minutes of June, 1995 AdCom Meeting

Editors Appointments

Committee Chair Appointments

OFFICERS' REPORTS

President's Report (Karplus)

Executive Vice-President's Report (Lau)

Treasurer's Report (Bonissone)

Past President's Report (Simpson)

Division X Director's Report (Tarn)

TAB #2

EDITORIAL REPORTS

Transactions on Neural Networks (Marks)

Transactions on Fuzzy Systems (Bezdel)

Newsletter (Snyder)

TAB #3

TAB #4

VI. STANDING COMMITTEE REPORTS

- A. Awards Committee (Hassoun)
- B. Fellows Committee (Sanchez-Sinencio)
- C. Educational Activities Committee (Haines)
- D. Meetings Committee (Bezdek)
- E. Publications Committee (Kartalopolous)
- F. Regional Interest Committee (Wiel)
- G. Standards Committee (Padgett)
- H. Video Tutorials Committee (El-Sharwaki)

VII. TECHNICAL COMMITTEE REPORTS

- A. Evolutionary Computation Committee (Fogel)
- B. Financial Engineering Committee (Mathews)
- C. Fuzzy Systems Committee (Berenji)
- D. Neural Networks Committee (Zurada)
- E. Virtual Reality Committee (Claudell)

VIII. OLD BUSINESS

- A. Negotiations with INNS (Lau)
- B. Proposed Merger with SMC Society (White)
- C. Proposed Formation to Form New Society (Lau)

IX. NEW BUSINESS

X. ANNOUNCEMENTS

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Sincerely,



Robert J. Marks, Editor-in-Chief
IEEE Transactions on Neural Networks

cc: NNC AdCom

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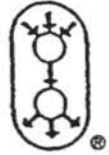
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TRANSACTIONS ON NEURAL NETWORKS
NEURAL NETWORKS COUNCIL



Robert J. Marks II
Editor-In-Chief

PLEASE REPLY TO:
University of Washington
Department of Electrical Engineering
c/o 1131 199th Street S.W., Suite N
Lynnwood, WA 98036-7138 USA

February 1, 1995

Walter Karplus, Executive Vice President
IEEE Neural Networks Council
University of California, Los Angeles
3732 Boelter Hall
Los Angeles, California 90024
(213) 825-2929 ac310
FAX (213) 825-2273
karplus@cs.ucla.edu

Dear Dr. Karplus,

I submit the following Associate Editors for approval by the NNC AdCom.

New Associate Editors for the IEEE TNN

Andreas G. Andreou, Associate Editor
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Baltimore, Maryland 21218-2686
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(FAX) 410 516 5566
andreou@jhunix.hcf.jhu.edu

Magdy Bayoumi, Associate Editor
IEEE Transactions on Neural Networks
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Center for Advanced Computer Studies
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(318) 231-6853
mab@cacs.usl.edu

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Haines advised that members would need to give authorization for their names to be released in a mailing list. Padgett noted that exhibitors often ask for this info.

Item 11: the proposed date for the next meeting, October 2 is conflicting for Simpson. Joint ADCOM meeting at the end of SMC meeting October 3-5. October 1 offered for group approval. Simpson will make final decision and advise AdCom.

Meeting adjourned at 7:00 p.m. Believed to be the shortest AdCom meeting in NNC history.

Wesley E. Snyder |
Professor of Electrical Engineering | North Carolina State University |
(919) 515-1899 | Professor of Radiology | Bowman
Gray School of Medicine | Email wes@eos.ncsu.edu |

Zurada provided a report on NN Technical Committee. Conferences show quality of papers accepted should improve. NIPS is the other end of the spectrum. Joint INNS/IEEE conferences are desirable. Fall-back position that meetings be scheduled six months apart. The major concern of the NN TC is that technical quality of the ICNN may be sliding down. Joint meeting proposed as a solution. IEEE format. Marks reminded the AdCom that the International community should be included. El-Sharkari noted several no-shows in presentation of papers at conference. Papers from two closely scheduled conferences diluted technical standards on both sides. Wunsch noted time is ripe for reapproaching INNS

Marks had several comments concerning Lau's letter in tab 18 dated December 21, 1993.

1. The letter incorrectly states a quorum was not present at two NNC meetings. This was an easy mistake to make. In 1989, the NNC had nine society members - not the twelve we currently have. OE, IA, CS and SIM joined later. The Constitution of the NNC defines a quorum as (a) at least one third of the AdCom members (18 + four officers =22) , and (b) at least one third - or three - of the member societies present. During the June 18, 1989 meeting, twelve AdCom members were present representing eight societies. During the November 26, 1989 meeting, eight AdCom members were present representing five societies. All business conducted at these two meetings was valid.

2. The letter noted that the society representation of two members were not made. Nick DeClariss represented SMC and H. Juang SP (then, ASSP). Not identifying representation in the minutes does not negate membership. It means only that poor minutes were taken.

3. The letter states a constitutional amendment was needed to allow support of AdCom travel. This is incorrect. The NNC constitution clearly states no such expenditure can be made without the approval of AdCom. By vote, AdCom approved the expenditure.

Memberships lists were added under 9A New business. Tabled to the October meeting. Ask for input from other societies in the interim.

"designated representative" present, the president could not appoint a proxy under the proposed rules, and the society would thus be disenfranchised. Snyder indicated that this was not the intent of the motion; rather, the president could designate an acting representative at any time; the definition of "designated representative" allowed the president of any society to get on the phone to appoint another person, including him/herself to serve on the AdCom.

Saeks suggested amending the motion to simply state that that no party carry more than two votes. Seconded by Wunsch. Robinson stated a point of order that a 2/3 vote was required and that the amendment requires 30 day announcement prior to the AdCom meeting. Amendment was therefore out of order and was withdrawn.

Marks called the question. Fukuda seconded. No objections to the call were noted.

Marks requested a written ballot.

2/3 required to carry on 18 votes. The motion was defeated.

Snyder observed that in October we operate under the same proxy rules. If any changes in any other way, it must be distributed by the President by September 2 for prior publication.. Mail ballot is option available to committee. Fukuda spoke against it. Marks moved to refer to committee and seconded by Don Wunsch. Passed.

El-Sharkarwi gave the report on Video Programs--Attachment 6 to these minutes.

Padgett suggested that programs be addressed as a publicity item. Bob Marks acknowledged value of video programs. Application issues to be addressed. El Sharkarwi commended.

Padgett gave the standards report--Attachment 7 to these minutes

Wunsch announced that he is resigning as chair for Distinguished Lecturers Committee. Send nominations to Russ Eberhart.

Lau withdrew from nomination for V.P. of Finance. Bonissone by acclimation retained as V.P. of Finance.

Nominations of Kartalopolos and Zurada for V.P. of Publications.

Executive session entered. By a clear majority, Kartalopoulos won. Marks moved that the ballots be destroyed. Seconded and carried. Ballots were destroyed.

Under Item 4.F(c) Snyder addressed the Newsletter. Wesley and Rosalyn announced their resignation as editor and managing editor. Snyder emphasized that he had been producing the newsletter for five years and his decision had nothing to do with the fact that the '95 budget contained no newsletter: it was simply time for someone else to take over. They will no longer publish the newsletter after November issue. Copies of the current issue were available.

Snyder presented the report of the Constitution and Bylaws committee. He advised the AdCom to read the material in Tab 8 which reported on the deliberations of the committee. In the interest of time, he reported Under Item 4.H(1) Constitution Committee under tab 8 --item 3 is a motion addressing the issue of proxies which recommended that the only proxies allowed should be those held by one society representative for the other representative for that society.

Fukuda noted that he holds several levels of authority and may vote several different proxies.

Marks asked if it precludes representation from two societies. Snyder replied that was issue was not addressed by the committee. Kartalopolos supports diversification.

Fouke sees two sides. She observed that a limit of two votes implicit here.

Wunsch noted that nothing in the proposed motion prevents votes from more than one society. In favor of limiting number of proxies.

Haines advised she resents proxy abuse.

Saeks expressed concern that if a society could not, for some reason, have its

A lot of enthusiasm generated for WICC '97. Karplus moved and Kartolopos seconded to commend Robinson for a successful WCCI. Approved and a rousing round of applause given.

Simpson addressed outstanding items on the agenda. Moved that Officer elections be moved from Item 10 to Item 5. Snyder asked that we proceed in the original order but plane departures will interfere. Modification to agenda passed.

Ruling by Chair that Kartolopolos be allowed to be re-elected for 2-year term as V.P. of Publications. Accepted.

Nominations will be accepted and candidates will be asked to leave and discussion will ensue in executive session.

Simpson declined to run again. Karplus entered by acclamation as President.

Nominations for Executive V.P.: Marks pointed out that elections were not announced for Executive V.P. 30 days in advance as required by constitution. Objection raised that several chairs and committee members not present.

Wunsch suggested that Lau be allowed to stand as a nomination and solicitation of other nominees be sought in the interim between now and the October AdCom Meeting.

Snyder quoted bylaws on the issues. Snyder advised that Constitution Committee be given direction to modify the bylaws to keep this from happening again.

Appeal by Marks to the Chairs decision. Seconded by Wunsch. Defeated.

El-Sharkawi, Lau, Zurada nominated for Executive Vice President.

Executive session entered.

23 voting members noted. By a clear majority Lau won. Robinson moved that ballots be destroyed and seconded and carried. Ballots were destroyed.

Marks was in favor of not deferring to committee. Technical vs. administrative concerns.

Robinson stated no detriment in referring to committee. Comfort level with more time given.

Wunsch brought up point of looking at budget we are sending to SMC, refer back to committee regarding charges.

Bezdek suggested General Chairs be given authority to run their conferences without being micro-managed by ADCOM.

Kartalopolos agreed with micro-management concept. In favor of referring back to committee due to costs vs. income potential--advance registration.

Saeks advised it go back to committee due to amount of discussion contained herein.

Motion to refer to committee allowing Ben Wah to proceed with negotiation with the hotel. Defeated 10 to 12.

Bonissone suggested modifying the budget and passing it, Marks suggested Meetings Committee be given authority to approve and modify as they see necessary. Motion withdrawn.

Question called. Vote accepted. Passed by 14/7.

Ruspini reported on ICNN 93. Advised \$6K check sent to IEEE.

Mathews reported on CIFER-- on schedule and on budget and lots of excitement.

Robinson reported on WCCI--Attachment 5 to these minutes.

Projected surplus of \$120K--represents conservative estimate. \$40K less in expenses. Tutorials provided extra income. Far less spent in several areas than anticipated.

171 new members signed by IEEE.

Passed.

Motion from Finance Committee to approve 1995 Budget with changes noted.
Passed.

Break called at 4:00 p.m.

Reconvened and President addressed Item 4-F --V.P. for Finance Report. Bonissone informed the AdCom of a 6 month statute of limitations on expense accounts to allow processing time. All parties exceeding \$600 in travel expenses should complete forms he has with receipts.

Item 4-G, Meetings committee:

Bezdek predicts that there will be a near -0- probability that the U.S. will beat Brazil.

Motions brought to ADCOM by the Meetings Committee:

1. Increase seed money from \$10K to \$25K with immediate disbursal upon approval for VRAIS '95. Passed.
2. Appoint Ben Wah (U. of illinois) general chair of ICNN '96 (Washington, D.C.). Approved by acclimation.
3. Approval of budget for ICNN '96 (submitted in real time)--Attachment 4 to these minutes . Budgeted to 650 attendees. Lower than prior ICNN by 30-40%. May be deferred to October but hotel costs need to be renegotiated. \$20K in '95 budget. Discussion follows:

Kesh brought out fact that 10% surplus needed to address any conference.

Fouke and Herget feel that 15% is more appropriate for surplus.

Robinson moved to refer to Committee. Seconded by Harris. Concerns expressed on IEEE requirement of surplus.

Fukuda addressed realistic nature of proposal.

ICNN and ICEC will be held in December 95 and income will be realized in 1996. This fact, coupled with the annual cash-basis accounting makes 1995 look very lean.

Robinson pointed out that this budget really was carrying of accounts payable and accounts receivable as income and expense items.

Concern was expressed about the cost of merger discussions in 1994/1995. Robinson commented that it must be prepared for June 1995.

Haines indicated concern that she has been trying to gain matching funds and the '95 budget eliminates the education committee budget entirely.

Haines moved that \$1000 be given the Education Committee from VRAIS '96 budget. Amendment by Fouke that it come from bottom line vs. conference funds. Passed.

Robinson suggested that the NNC consider other fund- raising activities in North America in 1995, since there are no meetings in North America that year.

Ad-hoc committee will be formed by Simpson to investigate other income sources separate from the Finance Committee based on suggestion of Herget.

Robinson proposed that \$1K be set up as seed money for ICEC in '95 to acknowledge AdCom recognition of that conference and allocate a budgetary placeholder . Lau spoke in opposition that may not be substantial enough. Marks spoke in favor of the motion --CIFR will be significant. More positive view may be given this item subsequent to October 94. Fouke spoke in opposition to the idea of a symbolic budgetary placeholder. Harris felt 1K was not enough money to make any difference. Encourage conference chairs to investigate larger surpluses. Bob Marks suggested CIFER might seek additional sponsorship. Bezdek pointed out that the budget included \$25K for a conference that has not yet been approved--VRAIS '96.

The suggestion was made that VRAIS money be reallocated as substitute motion. Original motion withdrawn. New motion made by Saeks and seconded by Harris that ICEC, VRAIS and CIFR be removed from the budget and replaced by a single line item. "Seed money to future conference".

Robinson commented that the definition of "camera ready" within the IEEE may have changed. It is possible that this term now refers to digital data on one platform. Latex platform for searching carries cost of \$30/page--electronic forms 89/pg vs. 129/pg.

Snyder commented that the editor would need to make the decision. Marks agreed to look into more detail.

Kartalopolos restated that the committee had approved a test of the concept of camera-ready on a special issue targeted for November, 1994, with no impact on the current budget.

Motion amended to allow the Editor to investigate and go camera-ready, or one platform, or not at his discretion. Passed.

Budget approved by committee.

Lau requested that his name be spelled correctly in program. (vs. Law as noted)

Simpson requested return to Item 4D/ V.P. of Finance Report--Attachment 3 to these minutes.

Budget post-close and post-audit was presented. NNC 1994 and 1995 Budgets included in Attachment 3. Summary given by Bonissone. Bonissone reminded the AdCom that IEEE financing is done on a cash basis, not an accrual basis, which means that loans should be reported as expenses in one year and income in the next. This has a substantial impact on cash flow.

Question by Przytule regarding advances for conferences shown as loss per Bonissone. This is also an artifact of the cash-basis accounting.

Recovery of investment in future years acknowledged.

Notation to disregard last three figures on '94 balance regarding subtotals.

Simpson brought to the attention of the AdCom the need to submit the 1995 budget to IEEE in a timely manner.

Upon return from executive session, a motion was requested from the floor to approve actions of executive committee to explore a merger. The following motion was made:

1. The NNC authorizes the ExCom to investigate merger with SMC Society.
2. The NNC authorizes the expenditure of \$20M for merger costs in 1994 covering Adcom travel and Executive Committee travel, telecommunications, and related expenses.

Motion made by Don Wunsch, seconded by Bob Marks.

Passed by acclamation.

A break was called from 2:15 - 2:30.

Continued w/Item 4-C of the agenda, Executive Vice President's report:

Karplus presented the information in tab 3 of the agenda book.

Item 4D--VP for finance report--tabled due to temporary absence of Bonissone.

Item 4-F -Vice President's for publications report was presented by Kartalopolos. See Attachment 2 to these minutes

Kartalopolos presented a Motion from the Publications Committee--to increase the pages from 400-520 for TFS for 1995.

Roy Nutter questioned cost --loosing \$14M as a result?

Carried, Voitec abstained.

Kartalopolos presented a motion from the Publications Committee to approve list of associate editors--Attachment 2-E to these minutes. Passed.

Kartalopolos presented a Motion from the Publications Committee related to the use of camera- ready issues; that the editor of TNN be permitted to try camera-ready once. The following discussion ensued:

Minutes of the IEEE Neural Networks Council AdCom meeting

July 2, 1994.

Simpson opened the meeting at 1pm.

A quorum was determined to be present

The agenda was approved. Following items on agenda were processed in order:

Item 3 - consent agenda--no financial impacts

Approved in total

Item 4--Officers Reports:

Item B--Presidents Report: Simpson called three items to the attention of the AdCom:

1-The is a company named Faxon which functions as a broker for libraries. It has served as a middleman for the IEEE All Publications Package(APP)--services to the tune of \$3M per year. The company has gone out of business. As a result, the council could lose as much as \$15,000. The IEEE is working on the problem.

2-The number of libraries which subscribe to the APP is dropping. Some societies are shifting to "mini-APP", (All Publications Package). For example the computer society is selling just its publications.

3. The AdCom went into Executive Session 1:17 p.m.

Attachment 1 to these minutes was presented and discussed in executive session.

1995 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive

Robert J. Marks II Library Archive

IEEE
Neural Networks Council

AdCom Meeting

Research Triangle Park
North Carolina

March 12, 1995

1995 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive

Robert J. Marks II Library Archive

1995 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive

NNC Pre-pre 1994 -2/8/95

NNC 1994 FINANCIAL STATEMENT

	Cost Center Code	Income (subheaders)	Expense (subheaders)	Balance (subheaders)	Income (Headers)	Expense (Headers)	Balance (Headers)	From IEEE Statement
Interest Income	OO100				5.8	0.0	5.8	5.8
Periodicals					395.4	304.1	91.3	92.5
TNN	OO400	269.2	225.3	43.9				
TFS	OO401	125.9	75.5	50.4				
Paid and replacements	O1499	0.3	3.3	-3.0				
Newsletter	O1500				1.8	13.3	-11.5	-11.7
Non Periodical	O1600				4.30	7.60	-3.30	-3.50
Meetings/Conferences	O1700				130.60	13.40	117.20	117.30
Conference Publications		0.00	0.00	0.00				
Conf Adm. Charges		0.00	0.60	-0.60				
Unidentif. & Misc Exp.		0.00	0.40	-0.40				
91 IJCNN	CLOSED	0.00	3.90	-3.90				
92 COGAN	CLOSED	0.00	1.10	-1.10				
93 FUZZ	CLOSED?	3.00	0.10	2.90				
93 ICNN	CLOSED?	3.00	0.10	2.90				
93 IJCNN		9.60	0.00	9.60				
93 VRAIS		40.00	0.00	40.00				
94 VR & Persons with Disab.		0.00	4.50	-4.50				
94 WCCI		75.00	0.30	74.70				
95 VRAIS		0.00	2.40	-2.40				
Administration	O1800				0.00	45.60	-45.60	-46.50
Committee/Other	O1900				0.20	51.40	-51.20	-50.80
Misc. Income		0.20	0.00	0.20				
President		0.00	8.40	-8.40				
AdCom Committee		0.00	18.30	-18.30				
Merger Talk Exp.		0.00	4.00	-4.00				
AdCom Hq		0.00	0.60	-0.60				
Chapter Committee		0.00	1.20	-1.20				
Technical Committee		0.00	2.90	-2.90				
Exec. Committee		0.00	3.80	-3.80				
Awards Committee		0.00	1.40	-1.40				
Standards Committee		0.00	6.70	-6.70				
Education Committee		0.00	3.20	-3.20				
Other Committees		0.00	0.90	-0.90				
Misc		0.00	0.00	0.00				
TOTAL					538.10	435.40	102.70	103.10

LATE EXPENSES

Late expenses not accounted by IEEE in Pre-Audit Pre-Closing Statem.	Income	Expense	Balance
92 Education awards	0.00	5.00	-5.00
TNN editorial exp	0.00	6.00	-6.00
TFS editorial exp	0.00	6.41	-6.41
President	0.00	1.83	-1.83
Awards Com.	0.00	1.83	-1.83
Merger Talks	0.00	1.06	-1.06
Standard Com.	0.00	0.24	-0.24
Total Late Expenses	0.00	22.37	-22.37
ESTIMATED TOTAL	538.10	457.77	80.33

1.4
FEB 00 20 00:00:00 AM '95

CASH BALANCE AND NET WORTH POSITION

PENDING LOANS	ADVANCED	PAYMENT	BALANCE	NOTES
Rostov-on the Don	10.67	0	10.67	Loss Writeoff
95 VRAIS	22.60	0	22.60	
95 CIFEr	20.00	0	20.00	
95 ICE	10.00	0	10.00	
95 ICN	35.00	0	35.00	
96 FUZZ	10.00	0	10.00	
TOTAL PENDING LOANS	108.27	0.00	108.27	

COLLECTIBLE LOANS	BALANCE
1994 loans	97.60
TOTAL COLLECTIBLE LOANS	97.60

CASH SUMMARY	AMOUNT	NET	COMMENTS
Estimated 94 Income	538.10		
Estimated 94 Expenses	457.77		
94 Surplus/(Deficit)		80.33	We finished '94 in the black [Pre-closing Pre-Auditing & late exp]
1993 Cash Reserve		235.20	We finished '93 in the black [Post-closing Post-Auditing]
Outstanding 1994 Loans	108.27		
Loan Payments	0.00		
Loan balance		(108.27)	
Loans to collect	97.60		We will collect on these 1994 loans
Writeoffs	10.67		
TOTAL 1994 CASH WORTH		207.27	What we should have in the bank by the end of 1994

TOTAL 1994 CASH + COLLECT. LOANS	304.86	NNC total 1994 cash and receivables
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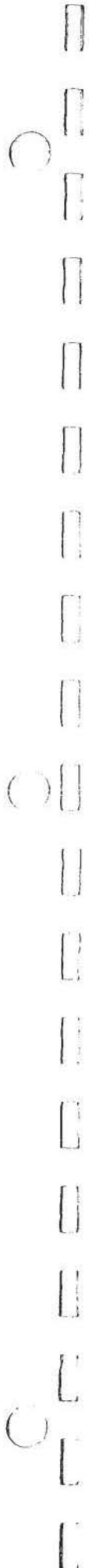
Note: All figures in \$K

Revision Date:	2/7/95	Prepared by	Piero P. Bonissone
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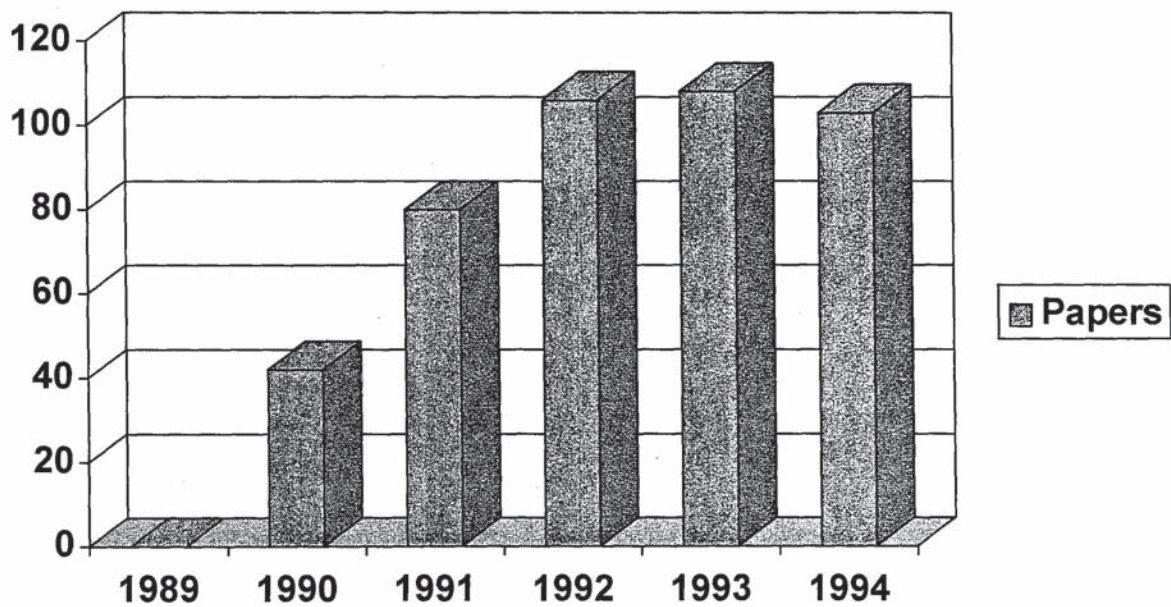
Tentative Draft

BUDGET 95

NNC 1995 BUDGET				
BUDGET	Income	Expenses	Balance	NOTES
ITEM				
TNN	432.00	426.80	5.20	
TFS	202.50	124.00	78.50	
Newsletter	0.00	0.00	0.00	95: Cancelled
Subtot. Trans & News	634.50	550.80	83.70	
Meeting/Conferences				
FUZZ-ICNN93	0.00	0.00	0.00	
VRAIS 93	0.00	0.00	0.00	
ICNN94	0.00	0.00	0.00	
WCCI 94	0.00	0.00	0.00	
ICEC 94	0.00	0.00	0.00	
FUZZ 94	0.00	0.00	0.00	
VR/Disab	0.00	0.00	0.00	
ICNN 95	0.00	0.00	0.00	95: Loan repaid in 96
ICEC 95	0.00	0.00	0.00	95: Loan repaid in 96
FUZZ 95	0.00	0.00	0.00	
CIFER 95	30.00	0.00	30.00	
VRAIS 95	31.00	0.00	31.00	
ICNN 96	0.00	40.00	(40.00)	
FUZZ 96	0.00	20.00	(20.00)	
Seed money for future conf.	0.00	25.00	(25.00)	
Subtot. Conf. & Meet.	85.00	61.00	(24.00)	
IEEE Admin HQ	0.00	25.00	(25.00)	
Info services	0.00		0.00	
Member renw/hand	0.00		0.00	
President	0.00	10.00	(10.00)	
Adcom	0.00	0.00	0.00	95: No Adcom travel paid by NNC
EXCom	0.00	5.00	(5.00)	
Mergers (Adcom+ project)	0.00	7.00	(7.00)	
Standards	0.00	7.50	(7.50)	
Awards	0.00	2.50	(2.50)	
RIG Committee	0.00	2.50	(2.50)	
Education	0.00	1.00	(1.00)	95: No offshore travel
Products (non-periodical)	20.00	5.00	15.00	
Rounding/Others	0.00	2.00	(2.00)	
			0.00	
Subtot. Others	20.00	67.50	(47.50)	
Subtot. Trans & News	634.50	550.80	83.70	
Subtot. Conf. & Meet.	85.00	61.00	(24.00)	
Subtot. Others	20.00	67.50	(47.50)	
TOTAL	739.50	679.30	12.20	

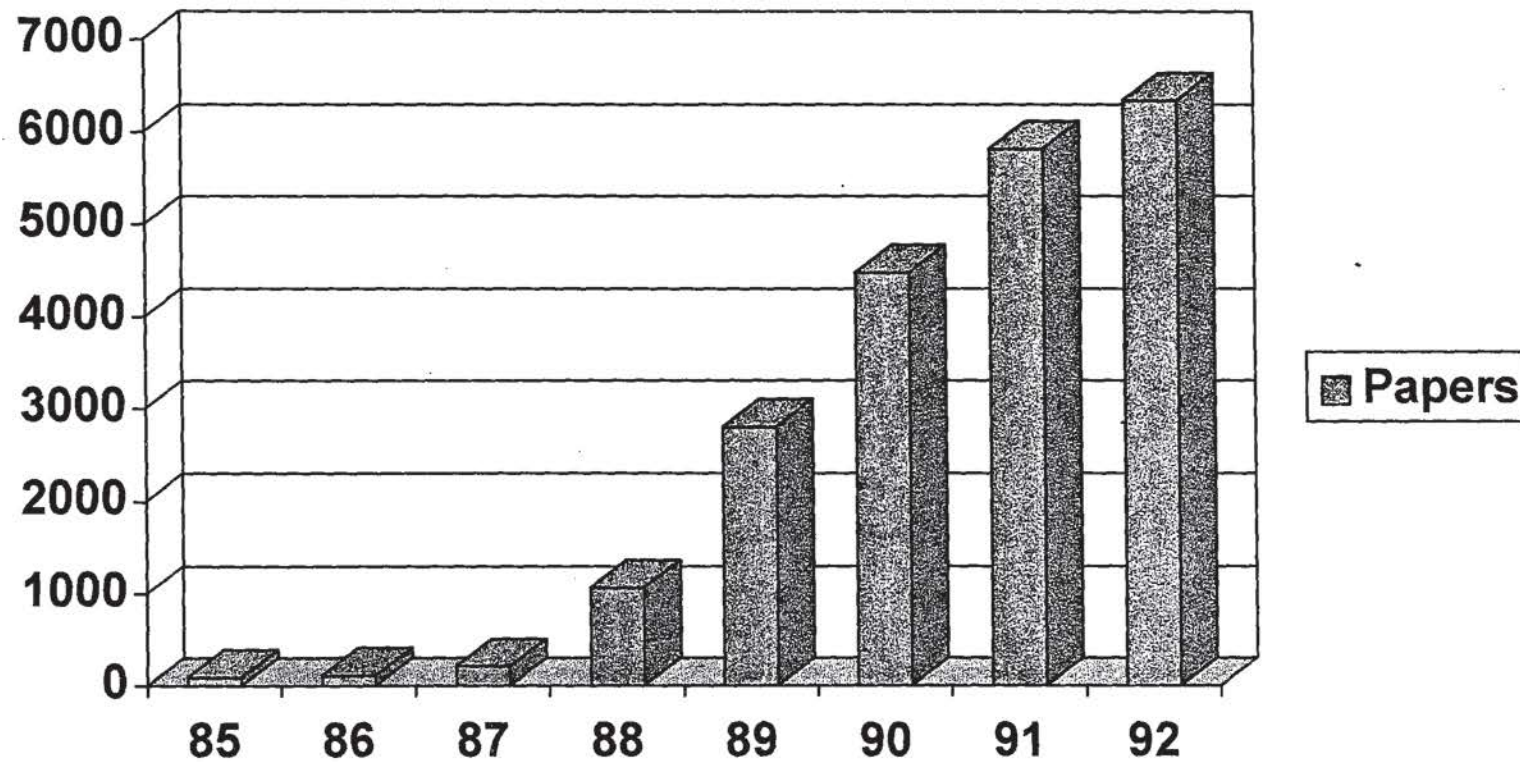


IEEE TNN Publication History



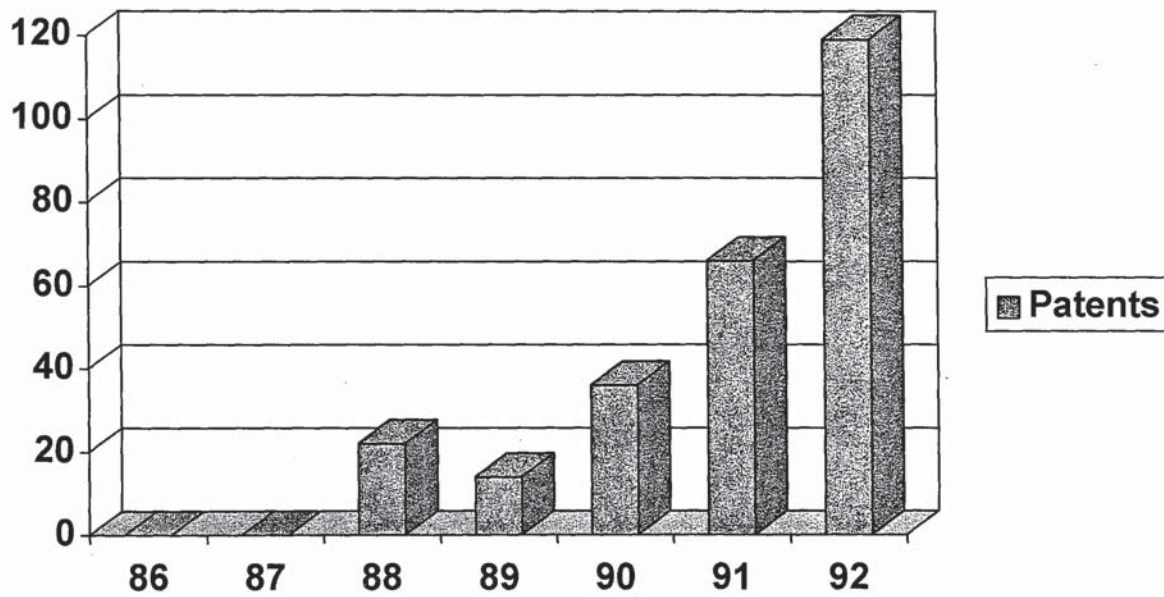
Neural Networks Papers

(Source: INSPEC)



Neural Networks Patents

(Source: CASSIS)



Sincerely,

A handwritten signature in black ink, appearing to read "Robert J. Marks", written in a cursive style.

Robert J. Marks, Editor-in-Chief
IEEE Transactions on Neural Networks

cc:
Walter Karplus, Executive Vice President
IEEE Neural Networks Council
University of California, Los Angeles
3732 Boelter Hall
Los Angeles, California 90024
(213) 825-2929 ac310
FAX (213) 825-2273
karplus@cs.ucla.edu

NNC AdCom

beginning in 1996, the IEEE Transactions on Neural Networks will be split into two new publications

- IEEE Transactions on Neural Networks A: Science and Theory
- IEEE Transactions on Neural Networks B: Applications and Implementation

Both of the new publications will be published every other month. Both will begin 1996 as Volume 7.

The following budget is hereby approved.

Budget

Statistics:

7000 Member Subs (per periodical) @ \$17
500 Non Member Subs (per periodical) @ \$175
804 pages (per periodical)
6 issues (per periodical)

Income (per periodical):

Member	119.0k	
Non Member	87.5k	
APP	81.0k	*
Voluntary Page Charge+	24.0k	assumes 219 pages (\$110/page)
Advertising	0k	
Airfreight	.5k	
TOTAL	312.0k	

Expenses (per periodical):

	current
Composition	144.7k
Index	2.0k
Voluntary Page Charge	2.7k
Editorial HQ	29.7k
Pub Admin	4.5k
Subscription Handle	5.6k
Editors Office	21.0k
Postage*	27.6k
Total	237.8K
NET	+74.2k

+Estimated

* This estimate is based upon postage expenses for other periodicals with 6 issues and approximately 800 pages.) The increase for 1995 postage is 20%.

and conference records. It is focused on the fields of physics, electrical engineering, computer science and electronics. Over one million entries have been logged into INSPEC since 1989. Contents are updated monthly. Searches for key words are performed over titles, authors, journal titles, and abstracts.

US Patent data was obtained from CASSIS (*Classification for Search Support Information System*). Searches are also performed over titles and abstracts.

Statistics from INSPEC and CASSIS are neither the perfect nor the only measure by which to monitor the vitality of a field. They are, however, quite useful in monitoring the trends and the relative activity. CASSIS, in particular, is vital for monitoring applications and implementation. Patent data, though, has a greater time delay in the measure of activity than does INSPEC data. The following are searches performed after the January 1994 INSPEC update and July 20, 1993 CASSIS update.

Since 1989, there have been an astounding 25,343 INSPEC entries logged for neural networks (Search words for 'neural networks' used are neural net(s), neural network(s) and neurocomputer(s)). Over a third, are associated with IEEE activities. The data for 1993 is not complete. I have been told that entries for 1993 are received and entered into INSPEC well into 1995.

For patents, CASSIS lists 262 neural network patents since 1969. Figure 3 shows nearly all of them have been issued in the past few years. Patent data is a statistic measuring the degree of application and implementation of neural networks. Clearly, there is amazing acceleration here.

There is a perception that applications papers, in particular, are unworthy of archival publication. Despite specific instructions do otherwise, TNN Associate Editors still occasionally recommend rejection of papers largely because the paper deals primarily with applications. This, despite unwaivering response from IEEE member polls that more application papers are required. TNN B would solidify the identity of IEEE as the place to publish neural networks applications papers.

With the increased pages and accelerated submissions, the load of the TNN is becoming to heavy for a single volunteer editor.

Based on this discussion, splitting the IEEE TNN into two publications is appropriate. Such as been done, for example, in the Optical Society of America with the Journal of the Optical Society of America and Applied Optics. In IEEE, the Circuits and Systems Society has recently split the IEEE Transactions on Circuits and Systems into two journals. In terms of subscriptions, Dave Allstot, current Editor of one of these transactions, estimates an increase of subscriptions by about 10%.

PROPOSAL

Whereas,

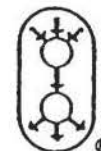
1. the field of neural networks continues to grow at a remarkable rate, and
2. the membership of IEEE continually requests more publications on applications, and
3. the current load of the IEEE Transactions is becoming too large for a single editor,

be it resolved that,



IEEE

TRANSACTIONS ON NEURAL NETWORKS
NEURAL NETWORKS COUNCIL



Robert J. Marks II
Editor-in-Chief

PLEASE REPLY TO:
University of Washington
Department of Electrical Engineering
c/o 1131 199th Street S.W., Suite N
Lynnwood, WA 98036-7138 USA

February 1, 1995

Stamatios Kartalopoulos, Vice-President - Publications
IEEE Neural Networks Council
AT&T Bell Laboratories, Room 3C-309
101 Crawfords Corner Road
Holmdel, NJ 07733-3030
(O) 908/949-2811
(H) 908/735-8008
(F) 908/949-6036
svk@hotld.att.com

Dear Dr. Kartalopoulos,

I submit the following proposal for consideration of the publications committee and the NNC AdCom.

Proposal to Split the IEEE Transactions on Neural Networks into ...

IEEE Transactions on Neural Networks A: Science and Theory

and

IEEE Transactions on Neural Networks B: Applications and Implementation

BACKGROUND

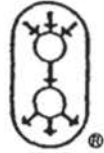
TNN Publication History

In 1990, its first year, the *IEEE Transactions on Neural Networks* had 42 papers (including letters). In the years 1992 to 1994, there has been a saturation. The current backlog of papers is about five issues. In 1992 and 1993, the IEEE TNN has a 10% page overrun. Although a similar overrun was scheduled in 1994, budgetary concerns within the NNC leveraged its cancelation. In 1995, the budgeted pages will increase from a bit over 1000 to 1608 pages. The subscription price has been raised from \$14 to \$21.

Research and Development in Neural Networks

A global view of research activity in neural networks comes from perusal of the INSPEC (*Information Service for Physics and Engineering Communities*) data base compiled by the IEE and the IEEE and recent United States patent activity. The INSPEC data base contains titles, authors and abstracts from over 4000 journals and is augmented with entries of books, reports

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.



TRANSACTIONS ON NEURAL NETWORKS
NEURAL NETWORKS COUNCIL

Robert J. Marks II
Editor-in-Chief

PLEASE REPLY TO:
University of Washington
Department of Electrical Engineering
c/o 1131 199th Street S.W., Suite N
Lynnwood, WA 98036-7138 USA

February 1, 1995

Stamatis Kartalopoulos, Vice-President - Publications
IEEE Neural Networks Council
AT&T Bell Laboratories, Room 3C-309
101 Crawfords Corner Road
Holmdel, NJ 07733-3030
(F) 908/949-6036

Dear Dr. Kartalopoulos,

I submit the following proposal for consideration of the publications committee and the NNC AdCom.

Approval of Associate Editors for NNC Transactions

Motion

The NNC AdCom hereby delegates approval of NNC Transactions Associate Editors to the Publications Committee

Sincerely,

A handwritten signature in black ink, appearing to read "R. Marks II".

Robert J. Marks, Editor-in-Chief
IEEE Transactions on Neural Networks

cc:
Walter Karplus, Executive Vice President
IEEE Neural Networks Council
University of California, Los Angeles
3732 Boelter Hall
Los Angeles, California 90024
(213) 825-2929 ac310
FAX (213) 825-2273
karplus@cs.ucla.edu

NNC AdCom

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IEEE TRANSACTIONS ON FUZZY SYSTEMS
Neural Networks Council

Jim Bezdek, Editor
Department of Computer Science
The University of West Florida
Pensacola, Florida, 32514 USA

1/30/95

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Stamatios Kartalopoulos
VP for Publications, IEEE NNC
AT&T Bell Labs, Room 3C-309
101 Crawfords Corner Road
Holmdel, NJ
07733-3030

Dear Stam:

Following Walter Karplus's directive to transact as much NNC business as possible prior to each ADCOM, I am sending you two action items for your committee. (i) A budget request for IEEE TFS for calendar year 1996; and (ii), a list of TFS associate editors for the 1994-1995 calendar year. The budget request for 1996 is shown in the column titled "96 pro" in Table 1. I am projecting a surplus of \$37K for TFS for 1996. My estimate is based on projections that consider the actual costs of each item for 1993, my best guess on circulation based on figures accurate through 1994, and inflationary trends (especially mail rate increases). I think this is a conservative estimate. Your attention is particularly directed to the \$25K line item titled Admin/ED. 10K of this is, as in 1994 and 1995, for two items billed to the IEEE by me, Specifically, I again requesting \$4K as editorial compensation to be paid at the end of the calendar year as a lump sum, and \$6K for consumables (Telephone, Xerox, Fax, Postage, Paper, etc.), billed at cost at the end of the calendar year, and secretarial support, billed at cost each six months.

I have also included summary information on papers submitted to the journal. As you can see, the workload is increasing - I fully expect to process 200 papers in 1995, so I have retained two part-time secretaries to help me, and their salaries are included in the 6K just mentioned. Please let me know if your committee has any questions. If and when your committee approves these two items, I will be happy to furnish you with enough copies of this memo for mailing to each ADCOM member. Otherwise, please send these originals to Walter for inclusion in the March, 1995 ADCOM handbook.

Most Cordially,

Jim Bezdek 1/30/95
Jim Bezdek

Editor's report and budget request for the *IEEE Transactions on Fuzzy Systems* : January 30, 1995 : p. 1

1995 IEEE Neural Networks Council Document
 Robert J. Marks II Library Archive

Table 1. Budget Summary and Request for TFS

Item	'93 Pro	'93 Act.	'94 Pro	'94 Act.	'95 Pro	'95 Act.	'96 Pro	'96 Act.	'97 Act.	'97 Act.
# pages	320	312	320	324	520	TBD	520	TBD		
Printruns										
Feb.	3000	16400	9000	9200	9650	TBD	7000	TBD		
May	3000	8775	9000	8100	9650	TBD	7000	TBD		
Aug.	3000	9200	9000	8100	9650	TBD	7000	TBD		
Nov.	3000	9500	9000	8200	9650	TBD	7000	TBD		
Circulation										
Members	2000	6666	7500	5223	7500	TBD	5300	TBD		
Non Memb.	100	113	100	155	150	TBD	200	TBD		
APP	1000	1778	2000	847	2000	TBD	900	TBD		
Affiliates	-	-	-	108	-	TBD	100	TBD		
Students	-	-	-	634	-	TBD	700	TBD		
Total Sub.		8557¹	9600	6967²	9650	TBD	7200	TBD		
??=guess. midyear, 1993: ² midyear, 1994: dash means not estimated										
Rev-K\$										
S/C Fees	-	5.3	-	-	-	-	5.0	-	-	-
I/S Trans.Fees	@ 10=20	64.6	@ 10=75	-	@ 17=127.5	-	@ 17=90	-	-	-
Non Members	@100=10	11.1	@100=12	TBD	@ 200=30	TBD	@ 200=40	TBD	-	-
APP	??=45	47.0	??=45	TBD	??=45	TBD	??=45	TBD	-	-
Page Charges	-	4.3	-	-	-	-	5.0	-	-	-
Tot. Rev.	75	132.3	132	TBD	202.5	TBD	185.0	TBD		
S/C fees = members, students and affiliates : I/S fees = inter society transfer fees: APP = all package subscribers										
Costs-K\$										
Postage	56	21.3	80	TBD	88	TBD	30.0	TBD		
Admin/Ed	8	17.0	10	TBD	10	TBD	25.0	TBD		
Comp/Index	2	13.6	6	TBD	12	TBD	20.0	TBD		
Microfiche	0	0.5	0	TBD	-	TBD	1.0	TBD		
Paper	0	10.8	0	TBD	-	TBD	20.0	TBD		
Camera/Press	0	23.3	0	TBD	-	TBD	30.0	TBD		
Binding/Labels	0	5.1	0	TBD	-	TBD	10.0	TBD		
Handling	0	9.8	0	TBD	-	TBD	12.0	TBD		
Tot. Cost	66	101.4	96	TBD	110	TBD	148.0	TBD		
NET K\$	9	30.9	36	TBD	92.5	TBD	37.0	TBD		

Editor's report and budget request for the *IEEE Transactions on Fuzzy Systems* : January 30, 1995 : p. 2

Table 2. Manuscript Pages for TFS In 1993

1993	Manuscript Technical Pages	Published Technical Pages	Compression Ratio
1(1)	265	78	3.34
1(2)	242	75	3.23
1(3)	222	72	3.08
1(4)	244	65	3.75
Sum	973	290	3.35
Per Issue	243.25	72.5	3.35

Table 3. Manuscript Pages for TFS In 1994

1994	Manuscript Technical Pages	Published Technical Pages	Compression Ratio	Published Non- Technical Pages	Total Published Pages
2(1)	259	88	2.94	8	96
2(2)	246	88	2.79	8	96
2(3)	185	60	3.08	4	64
2(4)	160	57	2.81	11	68
Sum	850	293	11.62	31	324
Per Issue	212.5	73.25	2.90	7.75	81

Table 4. Manuscript Statistics for TFS Papers

ITEM	'92 (from 7/1)	1993	1994	1995	1996	1997
Accept - Full	25	31	3			
Accept - Letter	4	10	0			
Accept - Corr.	1	1	1			
Revision	15	38	21			
Reject	23	35	35			
Pending	2	12	90			
Transfers	1	1	0			
Total	71	128	150			
Backlog , 12/31	4 ms	0 ms	12			

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Walter Karplus, President
IEEE Neural Networks Council
3732 Boelter Hall
UCLA
Los Angeles, CA 90024-159

Attached : A summary of the active MINUTES OF THE IEEE NEURAL NETWORK COUNCIL (NNC) MEETINGS COMMITTEE, for inclusion in the ADCOM book for the March 12, 1995 meeting of our ADCOM in Raleigh. The complete minutes will be distributed to the meetings committee by mail.

Respectfully submitted,

Jim Bezdek 1/30/95

Jim Bezdek
VP for Conferences, NNC

xc: complete minutes to members of the meetings committee (Bonissone, , Haines, Marks, Nutter, Karplus)

Active Minutes and Email transactions of the Meetings Committee of the IEEE NNC : January 30, 1995 : p. 1

Active Minutes of the NNC Meetings Committee

	Name	In Attendance please check	Location : Dolphin Hotel, Orlando, June 30, 1994	Email Address
1-v	Jim Bezdek, VP	✓	NNC Meetings Committee, Chair	jbezdek@ai.uwf.edu
2-v	Piero Bonissone	✗	NNC Treasurer	bonissone@crd.ge.com
3-v	Karen Haines	✓	NNC Adcom	karen@eece.unm.edu
4-v	Bob Marks	✓	Editor, Trans. NN	marks@u.washington.edu
5-v	Roy Nutter	✓	Member, NNC Meetings Committee	rce@rti.rti.org
6-v	Pat Simpson	✓	President, IEEE NNC	xm8%sdcc12.UCSD.EDU@sdsc.bitnet
7	Walter Karplus	✓	President-Elect, IEEE NNC	karplus@cs.ucla.edu
9	Charles Robinson	✓	Chair, 1994 WCCI, Orlando	c.robinson@ieee.org
10	Jacek Zurada	✓	General chair, WCCI symposium	JMZURA02@ULKYVX.LOUISVILLE.ED
11	Z. Michalewicz	✓	General chair, EC '94	zbyszek@mosaic.uncc.edu
12	Steve Marlin	✓	Meeting Management	70750.345@compuserve.com
13	Fred Petry	✓	General Chair, FUZZ-IEEE, 1995	petry@cs.tulane.edu
14	J. Schaffer	✓	Program Chair, EC '94	ds1@philabs.philips.com
15	Scott Mathews	✓	Organizing Chair, CIFer, 1995	s.mathews@ieee.org
16	Ben Wah	✓	General Chair, ICNN, 1996	wah@manip.crhc.uiuc.edu
17	Yianni Attikiouzel	✓	General Chair, ICNN and ICEC, 1995	yianni@ee.uwa.edu.au
18	David Mizell	✓	General Chair, 1994 VRAIS	mizell@boeing.com
19	Karl Lieven	✓	Organizing Chair, EUFIT '94	kl@mitgmbh.de
20	Mary Lou Padgett	✓	NNC Standards committee chair	m.padgett@ieee.org
22	Babs Kokerster	✓	SPIE exhibits management	babs@spie.org

Summary of meetings of the IEEE NNC

Dates	Meeting and Location	Sponsorship	Final Income	Final Expenses	Revenue Split	Seed \$ Paid	Seed \$ Repaid	Notes
March 8-12, 1992	FUZZ-IEEE , San Diego, Jim Bezdek	90 % NNC 10 % Local IEEE	276,682	176,944	89,763 9,973	30	30	Closed
June 6, 1992	Cogann Forum , Baltimore Russ Eberhart	100% NNC	9,230	7,327	(1097)	3	1,903	Closed
June 7-10, 1992	IJCNN , Baltimore Cliff Lau	45% NNC 5% IEEE Local 50% INNS	483,270	325,087	157,626 70,932= NNC 7,881=local 78,813=INNS	50	50	Closed
October 7-10, 1992	Rostov on the Don Forum , Rostov (Russia), Wes Snyder	100 % NNC	20,400	21,373	(10,669)	11	0	Closed. Proc. Sales made up part of the loss after closure.
Nov. 3-9, 1992	IJCNN , Beijing, Zha Shong	50% INNS (lead) 50% NNC	Unknown	Unknown	None	0	0	Closed. This meeting occurred during the period when the IEEE and INNS were divorcing. The INNS never sent us any accounting on this meeting.
March 28-April 1, 1993	FUZZ-IEEE & ICNN San Francisco, Enrique Ruspini	Formula for split between NNC and INNS	623,844	512,400	108,498 93,721=NNC 14,777=INNS	102	102	Closed. 1221 registrants 60 % = ICNN = 733 733-400 = 333 ICCN \$ (>400)=\$29,555 INNS \$ \$29,555/2=\$14,777
September 18-22, 1993	VRAIS , Seattle Tom Caudell	100% NNC	pending	pending	≈ 60K	≈ 80K	≈ 80K	Final audit in progress

Active Minutes and Email transactions of the Meetings Committee of the **IEEE NNC** : January 30, 1995 : p. 3

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October 25-29, 1993	IJCNN, Nagoya Toshio Fukuda	<hr/> 33.3 % NNC 33.3 % INNS 33.4 % Japan	878,346	849,380	28,966	0	0	Closed
					9,646= NNC 9,674=INNS 9,646=Japan			
June 9-10, 1994	NNC Forum : VR/Persons with Disabilities, San Francisco Harry Murphy	50 % : NNC 50 % : Cal State Northridge	pending	pending		4.485		Final audit in progress
June 24 - July 1, 1994	WCCI, Orlando WCCI : Charles Robinson ICNN : Steve Rogers ICEC : Michalewicz Zbigniew FUZZ : Piero Bonissone	100 % NNC	pending	pending		141.49 9 40 20 25		Final audits in progress
Future Meetings	Future Meetings	Future Meetings	Future Meetings	Future Meetings	Seed Approved	Seed Disbursed		Future Meetings
March 11-15, 1995	VRAIS, Raleigh-Durham, NC David Mizell	50 % : NNC 50 % : IEEE CS	Approved Sept. 18, 1993		10	0		
March 20-24, 1995	FUZZ -IEEE/IFES, Yokohama, Japan Michio Sugeno	No financial connection for the NNC	Approved Sept. 18, 1993		0	0		
April 9-11, 1995	CIFer, New York City Scott Matthews	50 % : NNC 25% : IEEE CS 25% : IAFE	Approved Jan. 22, 1994		5	5		
Nov. 26-Dec. 2, 1995	ICNN, Perth, Australia Yiannis Attikiouzel	100 % NNC	Approved Sept. 18, 1993		35	0		
Nov. 30-Dec. 2, 1995	ICEC, Perth, Australia Yiannis Attikiouzel	100 % NNC	Approved Jan. 22, 1994		10	0		
June 2-6, 1996	ICNN, Washington D.C. Benjamin Wah (pending)	100 % NNC	Approved July 2, 1994		40	0		
Sept. 7-11, 1996	FUZZ-IEEE , New Orleans Fred Petry	100 % NNC	Approved Sept. 18, 1993		45	0		

Active Minutes and Email transactions of the Meetings Committee of the IEEE NNC : January 30, 1995 : p. 4

Record of email transactions of the NNC Meetings Committee

Date	Item of Business	Date and Action
1/11/94	Cooperating Status for the 1994 International Symposium on Artificial Neural Networks December 15-17, 1994, Tainan, Taiwan, ROC, request by : Jenq-Neng Hwang ,Program Co-Chair Dept. of EE, FT-10 University of Washington Seattle, WA 98195 Internet: hwang@ee.washington.edu Phone: (206) 685-1603 Fax: (206) 543-3842	Yes = Nutter, Karplus, Bezdek, Eberhart <i>Approved: 1/30/95</i>
3/1/94	Request for technical co-sponsorship for ETFA'94, Seiken/IEEE Symposium on Emerging Technologies & Factory Automation -Novel Disciplines for the Next Century. November 6 - 10, 1994, Tokyo, Japan. Request by Richard Zurawski ETFA94 General Co-Chair Lab. for Robotics & Intelligent Systems Swinburne Univ. of Tech. John Street, Melbourne, Vic. 3122, Australia Fax +61 3 728 71 83 E-mail: rzz@stan.xx.swin.oz.au	Yes : Simpson, Bezdek, Marks, Nutter, Haines, Bonissone. <i>Approved : 3/10/94</i>
3/1/94	Cooperating status for the 1994 WNN, Dec. 7-10, 1994, Washington, D.C.5 WNN/FNN meetings by Mary Lou Padgett <mpadgett@Eng.Auburn.EDU> Co-sponsor NASA NASA sponsor Robert Savely, NASA/JSC NASA host Joe Mica, NASA/Goddard Cooperating societies SPIE SCS INNS	Yes = Bezdek, Simpson, Haines, Bonissone, Nutter, Marks. <i>Approved : 3/10/94</i>

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<p>3/9/94</p>	<p>Cooperating Status for NAFIPS/IFIS/NASA 94: December 18-21, 1994, Sheraton Gunther Hotel in San Antonio, Texas.</p> <p>Professor Larry Hall, Program Chair Dept. of Computer Science and Engineering, ENB 118 4202 E. Fowler Ave. University of South Florida Tampa, FL 33620 Phone: (813)974-4195/Fax: (813)974-5456 E-mail: hall@csee.usf.edu</p> <p>If NNC grants cooperating status, IEEE members will receive 10% discount on the registration fee (NAFIPS members receive 20% discount), and the conference Proceedings will be published by IEEE Press (like IFIS93).</p>	<p>Yes = Simpson, Bonissone, Bezdek, Haines.</p> <p>Approved : 3/11/94</p>
<p>5/20/94</p>	<p>Cooperating Status for a workshop/conference to be held during October 24 and 25, 1994 at the department of energy's pittsburgh energy technology center. the theme of the workshop/conference will be "high tech controls for energy and the environment. Request by</p> <p>Sam Biondo Deputy Director Office of Special Technologies U. S. Department of Energy FE-73 Washington, D.C. 20545 (301) 903-5910</p>	<p>Yes = Bezdek, Haines, Nutter, Bonissone, Marks, Simpson</p> <p>Approved : 5/20/94</p>
<p>8/10/94</p>	<p>Request for technical co-sponsorship: SPIE Applications and Science of Artificial Neural Networks VI, 17-21 April 1995, Orlando, Florida. Co-chairs: Steven K. Rogers and Dennis W. Ruck, AFIT.</p> <p>Dennis W. Ruck Air Force Institute of Technology d.ruck@ieee.org Wright-Patterson AFB, Ohio AFIT/ENG, Bldg 642, 2950 P ST, Wright-Patterson AFB OH 45433-7765 Ph. (513) 255-6565 ext. 4285 Fax (513) 476-4055</p>	<p>Yes = Bezdek, Bonissone, Simpson, Nutter</p> <p>Approved : 8/15/94</p>
<p>8/19/94</p>	<p>Cooperating status for: The Third International Conference on Artificial Intelligence Applications on Wall Street, to be held in New York City on June 7-9 1995 at Pace University, Pace Plaza (4 blocks north of Wall Street, near City Hall). The sponsor is Pace University. Program chairman. Roy S. Freedman.</p>	<p>No = Bezdek, Bonissone, Simpson, Marks, Haines.</p> <p>Failed : 8/19/94</p>
<p>10/11/94</p>	<p>Cooperating status for: The International Joint Conference of CFSA/IFIS/SOFT'95 on Fuzzy Theory and Applications, Hyatt Hotel, Taipei, Taiwan, Dec. 7 - 9. 1995 (temporary), Prof. Jonathan Lee (National Central University), program co-chair.</p>	<p>Yes: Bezdek, Simpson, Bonissone; no = Marks, Nutter, Haines.</p> <p>Failed: 11/10/94</p>

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11/21/94	<p>Cooperating status for: 2-nd RNNS/IEEE Symposium on Neuroinformatics and Neurocomputers, Rostov-on-Don, Russia, September 20-23, 1995. Financial Sponsors: Russian Neural Network Society, 50 %, A.B. Kogan Research Institute for Neurocybernetics, 50 %.</p> <p>Witali L. Dunin-Barkowski, Dr. Sci.Symposium Chair, President of the Russian Neural Network Society,A.B. Kogan Research Institute for Neurocybernetics, Rostov State University, 194/1 Stachka avenue, 344104, Rostov-on-Don, Russia, Tel: +7-8632-28-0588, E-mail: wldb@krinc.rostov-na-donu.su</p>	<p>Yes = Bezdek, Haines, Nutter, Simpson</p> <p>Abstained : Marks</p> <p>Approved : 12/8/94</p>
12/6/94	<p>Cooperating status for: Fifth IEEE-SP Workshop on Neural Networks for Signal Processing</p> <p>Federico Girosi Center for Biological and Computational Learning Massachusetts Institute of Technology, E25-201 Cambridge, MA 02139 USA e-mail: girosi@ai.mit.edu</p>	<p>Yes = Bezdek, Marks, Haines, Nutter</p> <p>Approved : 12/7/94</p>
12/18/95	<p>Cooperating status for: 1995 International Symposium on Nonlinear Theory and its Applications (NOLTA'95), Caesars Palace, LAS VEGAS December 10 - 14, 1995</p> <p>Co-Chairs : Shun-ichi Amari(Univ. of Tokyo), Shinsaku Mori(Keio Univ.), A. N. Willson, Jr.(U.C.L.A.)</p> <p>NOLTA'95 secretariat c/o Oishi Lab., Dept. of Information and Computer Sciences School of Science and Engineering, Waseda University 3-4-1, Okubo, Shinjuku-ku, Tokyo 169, JAPAN Telefax : +81-3-5272-5742 e-mail : nolta@sat.t.u-tokyo.ac.jp</p>	<p>Yes = Bezdek, Bonissone, Karplus, Nutter, Marks</p> <p>Approved : 01/10/94</p>
12/18/95	<p>Request for technical co-sponsorship for BIES '95: International Workshop on Biologically Inspired Evolutionary Systems, May 30-31, 1995, SONY Conference Hall, Tokyo, Japan</p> <p>Chisato Numaoka SONY Computer Science Lab. Inc. Takanawa Muse Bldg. 3-14-13 Higashi-gotanda Shinagawa-ku Tokyo, 141, Japan chisato@csl.sony.co.jp</p>	<p>Yes = Bezdek, Karplus, Marks, Nutter</p> <p>Approved : 01/10/94</p>

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<p>01/16/95</p>	<p>Request for NNC co-sponsorship of the 1996 ICEC meeting: (60% NNC, 40% SOFT) per proposal of Toshio Fukuda, Nagoya, Japan.</p> <p>Date: Fri, 20 Jan 1995 12:49:29 -0600 To: jbezdek@dcsuwf.dcsnod.uwf.edu, karplus@cs.ucla.edu, bonissone@crd.ge.com, rsn@ece.wvu.wvnet.edu, karen@eece.unm.edu, marks@u.washington.edu From: jbezdek@dcsuwf.dcsnod.uwf.edu Subject: meetings votes</p> <p>Here are the results of the votes :</p> <p>1996 ICEC : 3 = yes, 3 = no. 1997 FUZZ : 4 = yes, 2 = no.</p> <p>According to our parliamentarian, it takes a simple majority of those voting - including the committee chair - to pass these on to ADCOM. Since our committee has n=6 members - including me - I am hereby advising you, and requesting Walter Karplus, that the Spanish proposal to host the 1997 FUZZ- IEEE meeting in Barcelona has passed. Walter now needs to make a few date corrections (1997 <--- 1998). and have this proposal mailed to ADCOM.</p> <p>Since the ICEC proposal wound up in a tie, it is axiomatic that we add a new member to the committee to break it (not a great plan from my point of view); or we take another vote. Without knowing the rules about this, I am going to assume that a tie vote allows me to order a revote. I have already had a motion (Bonissone) and second (Haines) for another vote, so I now ask you to send me a new vote on the 1996 ICEC proposal put forward by Nagoya. Please send me your new vote, and identify it as such, with the words "second vote on 1996 ICEC = _____"</p>	<p>First vote on ICEC :</p> <p>Yes : Marks, Bonissone, Karplus No : Haines, Bezdek, Nutter</p> <p>Tie: 01/16/94 -> revote</p> <p>Second vote on ICEC:</p> <p>Yes : Marks No ; Haines, Bezdek, Nutter, Bonissone, Karplus</p> <p>Failed: 01/24/94</p>
<p>01/16/95</p>	<p>Request for NNC sponsorship of the 1997 FUZZ-IEEE meeting per proposal of Ramon de la Mantaras, Barcelona , Spain.</p>	<p>Yes : Bezdek, Bonissone, Haines, Karplus No : Marks, Nutter</p> <p>Approved : 01/16/94</p>

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01/26/95	Request for technical co-sponsorship : International Symposium on Intelligent System Applications to Power Systems (ISAP) . January 1996 in Orlando, Florida. Florida International University and Washington State University will be jointly organizing the conference. The general chair is Professor Osama Mohammed from Florida International University. Request made by M. A. El-Sharkawi Dept. of EE University of Washington Seattle, WA 98195 Phone: (206) 685-2286 FAX: (206) 543-3842 e-mail: elsharkawi@ee.washington.edu	Yes : Bezdek, Bonissone, Haines, Karplus, Marks Approved : 01/27/94

IEEE TRANSACTIONS ON FUZZY SYSTEMS

Neural Networks Council

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1/23/95

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Here is the list of associate editors and members of the executive advisory board of TFS that I submit to the IEEE NNC for the 1994-1995 calendar years. These appointments should be approved by your committee and the ADCOM of the NNC.

Associate Editors	Phone, Fax and Email	Topical Areas
James Buckley Mathematics Department University of Alabama Birmingham, AL 35294-2060	phone: (205) 934-2154 fax: : (205) 934-9025 email : buckley@math.uab.edu	approximate reasoning fuzzy control, nn, programming decision theory economics, finance, OR
Didier Dubois Langages et Sys. Informatiques Universite Paul Sabatier 118 Route de Narbonne 31062 Toulouse Cedex, FRANCE	phone: (33) 61556331 fax : (33) 61556239 email : dubois@irit.fr	ES/AI, Reasoning, Possibility
Toshio Fukuda Dept. of Mechanical Engineering Nagoya University Furo-Cho, Chikusa-ku Nagoya, Japan	phone: 011-81-52-781-5111 x 4478 fax : 011-81-52-781-3790 email : d43131a@nucc.cc.nagoya-u.ac.jp	Robotics, NNs, GAs
Richard Hathaway Math and Computer Science Dept. Georgia Southern University Statesboro, GA 30460	phone: (912) 881-5819 fax : email : somatr@gsu.cs.gasou.edu	PR, Numerical methods, Optimization, NNs
Takahiro Inoue Dept. of Elec. Engineering Kumamoto University Kurokami, 2-39-1 Kumamoto-shi, 860 JAPAN	phone: +81-96-344-2111 x 3844 fax : +81-96-345-1653 email : inoue@eecs.kumamoto-u.ac.jp	Hardware, VLSI, circuit design

<p>James Keller Electrical and Computer Engr. University of Missouri Columbia, MO 65211</p>	<p>phone: (314) 882-7339 fax : (314) 882-0397 email : ecejkm@mizzou1.missouri.edu</p>	<p>CV/IP, PR</p>
<p>Rudolph Kruse Tech Univ. Braunschweig Bultenweg 74/75 W-3300 Braunschweig, Germany</p>	<p>phone: 49.531.391.3289 fax : 49.531.391.5936 email : kruse@ibr.cs.tu.bs.de</p>	<p>Statistics, Reasoning, Control</p>
<p>Robert Marks Electrical Engineering Dept University of Washington Seattle, WA 98195</p>	<p>phone: (206) 543-6990 fax : (206) 543-3842 email : marks@blake.u.washington.edu</p>	<p>NN</p>
<p>Jerry Mendel Dept. of EE - Systems University of Southern California Los Angeles, CA 90089-2564</p>	<p>phone: (213) 740-4445 fax : (213) 740-4651 email : mendel@sipi.usc.edu</p>	<p>Signal processing Neural Networks Control</p>
<p>Hung T. Nguyen Mathematics Department New Mexico State University Las Cruces, NM 88003</p>	<p>phone: fax : email :</p>	<p>Mathematics, Measure and Integration, Probability and Statistics, Control, Approximation Theory</p>
<p>Nikhil R. Pal Machine Intelligence Unit Indian Statistical Institute 203 BT Road, Calcutta 700036, India</p>	<p>phone: fax : 00.91.33.282070/IF.272 email : nikhil@isical.ernet.in</p>	<p>CV/IP, Uncertainty measures, NN</p>
<p>Rainer Palm Siemens AG Corporate R&D Systems and Networks Dept. ZFE T SN4 Otto-Hahn-Ring 6 D-81739 Munich, Germany</p>	<p>phone: 49 89 636 43764 fax : 49 89 636 3320 email : palm@zfe.siemens.de</p>	<p>Fuzzy control, linear and nonlinear control theory, robotics, stochastic processes in control.</p>
<p>Witold Pedrycz EE Department U. of Manitoba Winnipeg, Manitoba Canada R3T 2N2</p>	<p>phone: (204) 474-8380 fax : (204) 261-4639 email : pedrycz@ee.umanitoba.ca</p>	<p>PR, Control, Models, NN Relational equations</p>
<p>Fred Petry Computer Science Dept. Tulane University New Orleans, LA 70118</p>	<p>phone : (504) 865-5840 fax : (504) 862-2 du: email : petry@comus.cs.tulane.edu</p>	<p>IR, DB, GA, KA</p>

<p>Henri Prade Langages et Sys. Informatiques Université Paul Sabatier 118 Route de Narbonne 31062 Toulouse Cedex, FRANCE</p>	<p>phone: (33)61-55-65-7 fax : (33) 61-55-6239 email : prade@irit.fr</p>	<p>AI, ES, Reasoning, Possibility</p>
<p>Armando F. Rocha Rua Maria Inez Carletti, 26 13.200.261 JUNDIAI BRAZIL</p>	<p>phone: fax : email : EINA@ccvax.unicamp.br</p>	<p>NN: numerical models, symbolical processing, formal languages, biology; GA; Reasoning by goal : cases and causal: Distributed systems</p>
<p>Tetsuo Sawaragi Dept. of Precision Engineering Kyoto University Yoshida Honmachi, Sakyo-ku Kyoto 606-01, Japan</p>	<p>phone: 81-75-753-5266 fax : 81-75-771-7286 email : d52753@sakura.kudpc.kyoto-u.ac.jp</p>	<p>Control, Reasoning, Decision Systems, Learning, NNs, ES, Machine Learning, GA, Sensor Fusion</p>
<p>Samuel M. Smith Ocean Engineering Department Rm EG 176 Bldg 36 Florida Atlantic University Boca Raton, FLA 33431</p>	<p>phone: (407) 367-3606 fax : (407) 367-3885 email : smith@oe.fau.edu</p>	<p>Low and Hi Level Control Robotics, Decision Making Signal processing Fuzzy system models NN and Fuzzy controllers</p>
<p>I.B. Turksen Dept. of Industrial Engineering University of Toronto Toronto, Ontario, M5S 1A4 Canada</p>	<p>phone: (416) 978-1278 fax : (416) 978-1280 email : turksen@ie.utoronto.ca</p>	<p>Fuzzy logic, rules, decision making, ES robotics, scheduling, management science, NNs, measurements, KBSs.</p>
<p>Tom Whalen Decision Sciences Department Georgia State University Atlanta, GA 30303</p>	<p>phone: (404) 651-4070 fax : email : qmdtwh@gsuvm1.bitnet</p>	<p>Decision theory , ES/AI, Fuzzy Logic</p>
<p>John Yen Computer Science Dept. Texas A&M University College Station, TX 77843</p>	<p>phone: (409) 845-5466 fax : (409) 847-8578 email : yen@cs.tamu.edu</p>	<p>Control, Reasoning, Systems</p>

IEEE TRANSACTIONS ON FUZZY SYSTEMS

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1/23/95

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Robert Lea	LinCom Corporation
Sankar Pal	Indian Statistical Institute, Calcutta
Enrique Ruspini	SRI International
Elie Sanchez	University of Marseille
Philippe Smets	Universite Libre de Bruxelles
Michio Sugeno	Tokyo Institute of Technology
Toshiro Terano	Hosei University
Richard Tong	Advanced Decision Systems
Masaki Togai	Togai Infralogic
Enric Trillas	Universidad Politecnica de Madrid
Ronald Yager	Iona College
Takeshi Yamakawa	Kyushu Institute of Technology
Lotti Zadeh	Univ. of California at Berkeley
Hans Zimmermann	RWTH Aachen

MEMORANDUM

To: Neural Networks Council / AdCom

From: Stamatios V Kartalopoulos, VP NNC-Publications

Subject: Publications Committee Activity Report

Date: February 8, 1995

1. NNC BOOK SPONSORING ACTIVITY

1.1 Published Books

Status of the NNC book program:

1. "Fuzzy Models for Pattern Recognition", Bezdek/Pal, (NNC), P, 1992
2. "Artificial Neural Networks", Sanchez/Law, (NNC/CAS), P, 1992
3. "Neural Networks, Theoretical Found. & Analysis", Law, (NNC), P, 1992
4. "Neural Networks", Haykin, (NNC), P, 1994*
5. "Neuro-Vision Systems", Gupta/Knopf, (NNC), P, 1994
6. "Neuro-Control Systems", Gupta/Rao, (NNC), P, 1994
7. "Computational Intelligence", Marks/Zurada/Robinson, (NNC), P, 1994
8. "Evolutionary Programming", Fogel, (NNC), P, 1995*
9. "Intelligent Control Systems", Gupta/Sinha, (NNC), In Prod, 8/15/95
10. "Understanding Neural Networks and Fuzzy Logic", Kartalopoulos, In Prod, 8/1/95
11. "Industrial Appl. of Fuzzy Logic & Intel. Sys.", Langari/Yen/Zadeh, In Prod, 4/15/95
12. "VLSI Implementation of Fuzzy Logic Circuits", Patyra, Proposed
13. "Pattern Recognition with Neural Networks in C++", Pandya, Proposed
14. "Fuzzy System Design Principles", Berkan, Proposed
15. "Artificial Life in Robotics" by Shibata/Fukuda (NNC-Robotics & Automation):
Manuscript received and reviewed-under revision and marketing analysis.

* Under the new 5% royalty plan

P=Published

In Prod=In production

Revenue performance of published books:

1. Haykin:
1,594 copies for about \$80,000 in '94
(revenue from 700 books to CS N.A.)
141 copies for \$7136 in Jan. '95
2. Bezdek:
565 for \$30,389 in '94
3,005 for \$156,161 to date
28 for \$1,499 in Jan. '95
3. Gupta/Rao:
684 for \$27,992 in '94
57 for \$1,694 in Jan.

Note: This book is performing under budget; need promotion via NNC Transaction

4. Gupta/Knopf:
602 for \$22,347 in '94
59 for \$2,548 in Jan.

Note: This book is performing under budget; need promotion via NNC Transaction

5. Sanchez/Lau:
300 for \$14,371 in '94
2,309 for \$108,358 to date
10 for \$475 in Jan. '95
6. Lau:
373 for \$12,774 in '94
2,890 for \$95,794 to date
20 for \$683 in Jan. '95
7. Zurada/Marks/Robinson:
197 for \$7,384 in '94
52 for \$1,917 in Jan. '95

Note: This book is performing under budget; need promotion via NNC Transaction

Total revenue to IEEE Press to date is about \$600K
Estimated Royalty to NNC to date (based on old/new roy. plans) \$11-12K.

2. TRANSACTIONS ON NEURAL NETWORKS

1. Motion submitted to Committee (see attachment A):

"The NNC AdCom hereby delegates approval of NNC Transactions Associate Editors to Publications Committee"

2. Proposal to split TNN into two (see attachment B):

- IEEE Trans. on Neural Networks A: Science and Theory
- IEEE Trans. on Neural Networks B: Applications and Implementation

3. TRANSACTIONS ON FUZZY SYSTEMS

The following items have been submitted to the NNC Publications Committee:

1. TFS budget for 1996 (see attachment C)
2. A list of TFS Associate Editors and members of the advisory board for 1994-95 (see attachment D)
3. Statistics on manuscript pages of TFS papers (see attachment E)

4. NEWSLETTER

In 1994 Adcom meeting it was decided that the NNC Connection Newsletter will not be published in 1995. The last 1994 issue was delayed and published in beginning of 1995.

5. WORKING WITH OTHER SOCIETIES/REGIONS/INSTITUTES

At the last AdCom, it was reported that Stamatiou is working with people of region 8 towards a working relationship of the Neural Networks Council and other IEEE Societies to effectively promote "Computational Intelligence" in region 8 countries, particularly in the newly "democratized" ones. A CI conference is planned in 1996 in Prague (dates TBA). Currently, we are working the details of the conference proposal (budget, etc).

At this point, the non-financial cosponsorship of NNC is requested.

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IEEE

UNITED STATES ACTIVITIES

Promoting Career and Technology Policy Interests of Electrical, Electronics and Computer Engineers

January 25, 1995

United States Activities Board

Member Services Council

Awards & Recognition
Communications
Consultants' Networks
Coordinating Committee
Employment Assistance
State Government Activities
Surveys

Career Policy Council

Career Equality
Career Maintenance &
Development
Engineering Employment Benefits
Intellectual Property
Licensure & Registration
Precollege Education
Student Professional Awareness
Work Force

Technology Policy Council

Aerospace Policy
Communications & Information Policy
Energy Policy
Medical Technology Policy
Research & Development Policy
U.S. Competitiveness Policy

Government Fellowships

**Network of Professional Activities
Committees for Engineers**

Professor Walter J. Karplus
President, Neural Networks Council
3732 Boelter Hall
UCLA
Los Angeles, CA 90024

Dear Professor Karplus:

On behalf of the IEEE-USA Technology Policy Council (TPC), we invite you to nominate members -- with the appropriate technical and policy expertise, and interest -- to serve as active participants on each of TPC's committees.

TPC, one of the three councils of the United States Activities Board, consists of five committees -- with many subcommittees and task groups -- involving the active efforts of over 200 volunteers.

Although many of these same volunteers are members of TAB technical societies, relatively few are appointed by their societies as delegates. The presence of active society delegates on each of our committees is essential to ensure effective two-way communication and coordination with your technical fields and relevant areas of interest.

We ask that all society delegates actively report on and coordinate relevant TPC activities with their societies including obtaining society inputs on TPC draft position papers, testimony, and other documents in a timely manner. Appointments are made for one year and can be renewed.

The range of TPC committee activities includes developing technology policy position papers, organizing policy forums and workshops, testifying before Congress, commenting on agency regulations, conducting press conferences, etc. To develop timely and accurate technology policy positions we depend on the expertise of all IEEE society members who serve on our committees.

-2-

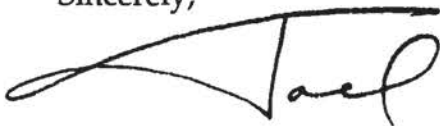
Our goal is to provide objective technical advice to US government policymakers, analyze and interpret new technologies and policies, and promote policies which enhance US economic security and competitiveness.

Enclosed is a listing of TPC's committees with a brief description of their missions and major activities. As you will see, these committees address a diversity of policy issues of concern to the IEEE's 250,000 US members.

The Charters of the TPC committees specifically invite TAB societies to appoint new, or renew current, society delegates each year. Enclosed is a current listing of all known technical society delegates. Additionally, the "Technical Information for the Public Welfare" (fifth draft working paper), which was approved by USAB and TAB in November, 1993, calls for direct society participation in TPC activities (copy attached). These responsibilities are described in an attachment from Dayne Aldridge, Chair of the joint TAB/USAB committees established by these board actions.

We would be glad to provide you with any additional information; please contact Deborah Rudolph in the Washington, DC office at (202) 785-0017; fax number (202) 785-0835 or via Internet; d.rudolph@ieee.org.

Sincerely,



Joel B. Snyder, P.E.
Vice President
Professional Activities



Bruce A. Eisenstein, PhD.
Vice President
Technical Activities

Enclosures

2

From mpadgett@Eng.Auburn.EDU Mon Mar 6 18:02:55 1995
Return-Path: <mpadgett@Eng.Auburn.EDU>
Received: from mx4.u.washington.edu by carson.u.washington.edu
(5.65+UW95.02/UW-NDC Revision: 2.32) id AA07007;
Mon, 6 Mar 95 18:02:43 -0800
Received: from edison.ee.washington.edu by mx4.u.washington.edu
(5.65+UW95.02/UW-NDC Revision: 2.31) id AA09760;
Mon, 6 Mar 95 18:02:36 -0800
Received: from edison.eng.auburn.edu by edison.ee.washington.edu
(5.65/UW-NDC Revision: 2.6) id AA01956; Mon, 6 Mar 95 18:06:18 -
0800
Received: from volt.ee.ee.eng.auburn.edu (9334@volt.ee.eng.auburn.edu
[131.204.21.25]) by edison.eng.auburn.edu (8.6.10/8.6.4) with SMTP id
UAA02281; Mon, 6 Mar 1995 20:00:37 -0600
Date: Mon, 6 Mar 1995 20:00:37 -0600
From: Mary Lou Padgett <mpadgett@Eng.Auburn.EDU>
Message-Id: <199503070200.UAA02281@edison.eng.auburn.edu>
To: b-wah@uiuc.edu, b.hajek@ieee.org, berenji@ptolemy-
ethernet.arc.nasa.gov,
bonissone@crd.ge.com, clau@charm.isi.edu, d.atherton@ieee.org,
decina@ercole.cefriel.it, durrani@strath.ac.uk,
eberhart@engr.iupui.edu, elsharkawi@ee.washington.edu,
etzanako@biomed.rutgers.edu, f.lee@ieee.org,
fogel@sunshine.ucsd.edu,
fukuda@mein.nagoya-u.ac.jp, hu@engr.wisc.edu, j.czika@ieee.org,
j.fouke@ieee.org, jbezdek@scsuwf.dcsnod.uwf.edu,
jnzura02@starbase.spd.louisville.edu, kaleda@vnet.ibm.com,
karen@eece.unm.edu, karplus@cs.ucla.edu, liu.l@nd.edu,
m.singh@ieee.org, marks@ee.washington.edu,
mpadgett@eng.auburn.edu,
r.hoelzeman@ieee.org, r.klafter@ieee.org,
s.kartalopoulos@ieee.org,
smathews@seattleu.edu, tarn@wurobot.sustl.edu,
tpc@chama.eece.unm.edu,
weaver@virginia.edu, wes@eos.ncsu.edu, wojtek@msmail4.hac.com,
xm8@sdcc12.ucsd.edu, yeng@plk.af.mil
Subject: StandardsSurvey&SPA
Status: RO

IMPORTANT: Return Deadline: March 15, 1995 or Two Weeks after Receipt
(Although some balloting group decisions will be made on March 15, the
working groups are always open, and balloting groups for different
projects will be formalized as needed. We solicit your input.)

PLEASE CIRCULATE THIS FORM AS WIDELY AS POSSIBLE

Standards Survey: Computational Intelligence (CI)
Neural Networks (NN) * Fuzzy Systems (FZ) * Evolutionary Systems (EC)
Virtual Reality (VR)

To insure your proper place on the IEEE Standards Roster for
CI, NN, FZ, EC, and/or VR standards, please complete this survey
and return to Kathy Doty, IEEE Standards, 445 Hoes Lane, Piscataway, NJ
08855,

1995 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive

Robert J. Marks II Library Archive

FAX (908)562-1571. For details or email submission,
contact Mary Lou Padgett at mpadgett@eng.auburn.edu.

INDICATE WILLINGNESS TO WORK AS A MEMBER BY 'M' OR GENERAL INTEREST
BY 'I':

CI Overview of _____ FZ Glossary _____ EC Glossary _____
NN, FZ, EC and/or VR

NN Glossary & Paradigms _____ NN Performance (FF-MLP) _____ NN Training (MLP) _____

VR Glossary _____

PLEASE INDICATE THE CATEGORIES DESCRIBING YOU WITH AN 'X':

User: _____ Producer: _____ General: _____
Note: Academic with commercial, government or other contracts
or consulting activities implies General.

Consumer/Consumer Org.: _____ Insurer: _____
Directly Affected Public: _____ Labor: _____
Distributors & Retailers: _____ Manufacturers: _____
Experts: _____ Professional Societies: _____

Government (users, general): _____ Regulatory Agencies: _____
Industrial/Commerce: _____ Testing Agencies: _____
Trade Associations: _____

PLAN TO ATTEND:

VRAIS '95: _____ IEEE TAB/RAB/USAB _____
IEEE/FUZZ/IFES'95: _____ IEEE Standards Board _____
ICNN/ICEC'95 _____ WCCI when next scheduled _____
WNN:NN/FS/ES/VR'95 _____ Other: _____

Technical Publications Read on a Regular Basis:

IEEE Trans. on NN _____ IEEE Trans. on FZ _____ Other: _____

Name: _____ Name: _____
Type or Print Signature
(if email, follow with hard copy in

mail)

Address: _____

Tel: _____ FAX: _____

email: _____ IEEE Membership#: (optional) _____

Relevant Experience and Academic Background

(Continue on back of page if necessary):

Note: Please include the names of organizations of affiliation
including professional society membership, names of commercial
companies, book author contracts, etc. These details will help
keep a balanced input and identify potential conflicts of interest.

=====
=====
Standards Projects: Computational Intelligence (CI)
Neural Networks (NN) * Fuzzy Systems (FZ) * Evolutionary Systems (EC)
Virtual Reality (VR)

Important:

To obtain electronic copies of the latest drafts of the IEEE Standards on CI, NN, FZ, EC, and/or VR, please contact Bob Labelle, IEEE Standards, 445 Hoes Lane, Piscataway, NJ 08855
Phone: (908) 526 3800; FAX (908) 562 1571; email: r.labelle@ieee.org.
For questions or details, contact mpadgett@eng.auburn.edu

Formal working groups are being organized in all of these areas, and draft standards are in various stages of development. Interactive exchange of ideas and comments is encouraged. The new IEEE SPA System, managed by Bob Labelle, will provide easy access to the current material, and pointers to locations for other information. The focal areas will have mail servers: majordomo@mail.ieee.org and they will be named and coordinated as follows:

stds-nn (Neural Networks)
Robert Green

stds-fz (Fuzzy Systems)
Hamid Berenji

stds-ec (Evolutionary Systems)
Rao Vemuri

stds-vr (Virtual Reality)
Richard Blade

stds-ci (Computational Intelligence)
Mary Lou Padgett

Bob Labelle will be rapidly expanding these electronic sites so that WWW pages and ftp sites will be available. Anyone with a computer, telephone and modem will be able to access this information.

YOUR INPUT IS IMPORTANT TO US!!!

Please fill out the enclosed survey form and return it quickly, so we can stay in contact with you.

Thank you for your interest and cooperation.

Best Regards,

Mary Lou Padgett

IEEE Standards Board
Liaison for NN, FZ, EC and VR



IEEE

TRANSACTIONS / JOURNALS

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
445 HOES LANE, P.O. BOX 1331, PISCATAWAY, NJ 08855-1331 TEL. (908) 562-3854 FAX (908) 562-0545

February 10, 1995

TO: Editors-in-Chief
IEEE Transactions/Journals/Letters

FROM: Patricia Walker
IEEE Transactions/Journals Director

RE: WORLD WIDE WEB PROJECT

The IEEE has launched its IEEE Home Pages on the World Web Network on January 4, 1995. At this time, it is carrying the full text of "The Institute" and other IEEE department information, such as Membership Services, Bookstore (books for sale at the IEEE), Student Activities, Local Activities, and a myriad of other information available electronically from the IEEE.

In the coming months, the IEEE Transactions Department will launch a Home Page in the Web Project that will be entitled, "Publications Preview." On this page, we will be listing the Table of Contents of the coming issues of the IEEE Transactions/Journals/Letters. We will list the papers, but we will not list the actual page numbers, because we will be pulling the Table of Contents files before the final printing process is completed. It is designed to provide, those who wish, a preview of what will be in an IEEE Transaction/Journal/Letter in the coming month. It will be randomly updated as we complete the final processing of each publication's issue. We will not, however, list an IEEE Transactions/Journals/Letters on this Preview Page unless we have the approval of the editor-in-chief or an officer of the society.

At this time, we are asking that you discuss this with your AdCom or appropriate society officer to verify for us in writing whether or not you want your Table of Contents listed in the project.

Please contact me by email at p.walker@ieee.org or by FAX at 908-562-0545.

We will not list your publication unless we have received written approval from you to do so. We expect to start listing some of the Tables of Contents in March.

Editors-in-Chief

- 2 -

Feb. 10, 1995

SPECIAL ISSUE ANNOUNCEMENTS

Every two months you have been receiving a list from Robert Colburn listing the various special issues that will be appearing in IEEE publications. He has now made this list available on the IEEE gopher and it can be retrieved from the file labelled "info.pub.specissues@ieee.org."

Robert requests that if you have any special issue plans for the remainder of this year or have already planned special issues for 1996, please email him or send him a note of those issues you have scheduled. Even if you do not have a specific month in which the special issue will appear, Robert would like to have it on the list, so that other societies can see if there is any special issue in the works under the topics they are considering.

This is an information tool for editors-in-chief for the various publications. If you, as an editor, believe that the proposed special issue you see on the list may be in conflict with your own publication, please contact the editor in question within 15 days and notify Robert Colburn. It is hoped that you and the other editor will be able to work out the situation to your mutual satisfaction.

PW:jm

cc: Society President
Vice President of Publications

Rm: TBA

1. NNC BOOK SPONSORING ACTIVITY (Kartalopoulos)
 - a. Published Books
 - b. Books in Progress
 - c. IEEE agreement review
2. VIDEO Program (El-Sharkawi)
3. Book/Video promotional activities
4. TRANS. NEURAL NETWORKS (Marks)
 - a. TNN Budget
 - b. TNN associate editors approval
 - c. TNN page statistics
 - d. TNN split
5. TRANS. FUZZY SYSTEMS (Bezdek)
 - a. TFS Budget
 - b. TFS associate editors approval
 - c. TFS page statistics
6. NNC on WWW
7. NNC-Newsletter on WWW
8. OLD BUSINESS (All)
 - a. working with other societies/councils/institutes
9. NEW BUSINESS (All)

{Sacks report.
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STANDARDS

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⑤ conference/workshop in Prague 4/96

From att!ig2.att.att.com!cris.com!rsaeks Mon Mar 6 10:39:54 1995
Received: from att!cris.com by ig2.att.att.com id AA07565; Mon, 6 Mar 95 10:39:54 EST
Received: by gw1.att.com; Mon Mar 6 10:23:12 EST 1995
Received: from mailhost.cris.com by cris.com [1-800-745-CRIS (voice)]
Date: Mon, 6 Mar 95 09:48:28 EDT
From: rsaeks@cris.com (RSAEKS)
Subject: Transactions Economics
Message-Id: <9503060948.0.UUL1.3#25345@cris.com>
To: svk@hotmaild.att.com
Status: R

Stamatios:

Attached is my report for the NNC Publications Committee. See you next weekend.

73/rs

March 4, 1995

To: NNC Publications Committee

From: R. Saeks

Re: Transactions Economics

At the July 1994 Publications Committee meeting Pat Simpson requested that I do an economic analysis, to determine why the smaller Fuzzy Transactions is financially more viable than the larger Neural Network Transactions. To this end I did a detailed economic analysis of Transactions income and cost factors including the All Periodicals reimbursement formula.

As suspected the system is strongly biased towards small Transactions. In particular, 75% of the All Periodicals reimbursement formula is based on a linear regression formula from which a society or council would receive \$98 for a "zero page Transactions" (based on the 1994 formula). Furthermore, this formula is used as a guideline for approving nonmember subscription rates. Since the cost of producing two 1000 page bimonthly Transactions differs negligibly from the cost of a 2000 page monthly Transactions this formula strongly biases the system in favor of the smaller Transactions and supports the proposal to split the Neural Network Transactions.

In splitting the Transactions, however, one should be cognizant of the potential loss of nonmember subscribers which is the largest source of Transactions income. To minimize the loss of nonmember subscribers, while maximizing All Periodicals income, nonmember subscription rates, for either a single or split Transactions, should be set to approximate the linear regression pricing formula.

Finally, several Society's have done similar analyses and are also proposing to split their Transactions. For this reason the Publications Board is carefully scrutinizing any proposal to split an IEEE Transactions, and is also reviewing the All Periodicals reimbursement formula.

BUDGET 95

NNC 1995 BUDGET

BUDGET ITEM	Income	Expenses	Balance	Loan Repayment	Loan Made	Loan Balance
TNN	432.00	426.80	5.20			
TFS	202.50	124.00	78.50			
Newsletter	0.00	0.00	0.00			
Subtot. Trans & News	634.50	550.80	83.70			
Meeting/Conferences						
FUZZ-IEEE93	0.00	0.00	0.00			
ICNN93	0.00	0.00	0.00			
VRAIS 93	34.00	0.00	34.00			
ICNN94	0.00	0.00	0.00			
WCCI 94	20.00	0.00	20.00			
ICEC 94	0.00	0.00	0.00			
FUZZ 94	0.00	0.00	0.00			
VR/Disab	0.00	0.00	0.00			
ICNN 95	0.00	0.00	0.00			
ICEC 95	0.00	0.00	0.00			
FUZZ 95	0.00	0.00	0.00			
CIFER 95	10.00	0.00	10.00	20.00		
VRAIS 95	0.00	0.00	0.00	22.60		
ICNN 96	0.00	0.00	0.00		40.00	
FUZZ 96	0.00	0.00	0.00		20.00	
Seed money for future conf.	0.00	0.00	0.00		25.00	
Subtot. Conf. & Meet.	64.00	0.00	64.00	42.60	85.00	(42.40)
Interst Income	6.00	0.00	6.00			
IEEE Admin	0.00	45.00	(45.00)			
President	0.00	10.00	(10.00)			
Adcom	0.00	14.00	(14.00)			
ExCom	0.00	5.00	(5.00)			
Mergers [Adcom+ project]	0.00	0.00	0.00			
Standards	0.00	5.00	(5.00)			
Awards	0.00	5.00	(5.00)			
RIG Committee	0.00	2.50	(2.50)			
Education	0.00	1.00	(1.00)			
Products (non-periodical)	20.00	5.00	15.00			
Rounding/Others	0.00	2.00	(2.00)			
Misc	0.00	3.00	(3.00)			
Subtot. Others	26.00	97.50	(71.50)	0.00	0.00	0.00
Subtot. Trans & News	634.50	550.80	83.70	0.00	0.00	0.00
Subtot. Conf. & Meet.	64.00	0.00	64.00	42.60	85.00	(42.40)
Subtot. Others	26.00	97.50	(71.50)	0.00	0.00	0.00
TOTAL	724.50	648.30	76.20	42.60	85.00	(42.40)

Revision Date: 3/11/95 Prepared by: Piero Bonissone

TAB: Thurs
22nd AdCom
June
Wash D.C.

Proposal

to Form New

SOCIETY ON

COMPUTATIONAL

INTELLIGENCE

Key Issues

* Constitution and Bylaws

Draft is available for review and discussion

* Elections

To be held as soon as new society is approved

* Transition government

NNC officers	----->	Society officers
President		President
Past President		Past President
Executive Vice Pres.		President-Elect
VP for Finance		Administrative VP
Secretary		
VP for Conferences		VP for Conferences
VP for Publications		VP for Publications
Region 10 Director		
Committees		Committees
Adcom	----->	New Adcom (phased in)

* Finances

Repay the societies that contributed to NNC + 10%
Balance to be startup money for new society

* Publications

Transactions
Magazine, newsletter?

D R A F T

IEEE

Society on Computational Intelligence

Constitution

and

Bylaws

Key Features

- * **Pattern after Circuits & Systems Society Constitution and Bylaws**
- * **Three-year duties for President**
President-Elect, President, and Past-President
- * **Administrative Committee (Adcom)**
Nine (9) members
Three (3) to be elected each year
- * **Officers form executive Committee (Excom)**
President
President-Elect
Administrative Vice President
Vice President for Conferences
Vice President for Publications
Immediate Past President
- * **Officers elected by Adcom**
- * **Administrative VP submits annual budget**
- * **Adcom approves annual budget**
- * **President, with advice and consent by Adcom, appoints editors for transactions**

CALL FOR PAPERS (tentative)

**1997 IEEE Virtual Reality
Annual International Symposium (VRAIS'97)**

**July 7-10, 1997
Tokyo, JAPAN**

CO-SPONSORED BY IEEE Neural Network Council (NNC)
Society of Instrumentation and Control Engineers (SICE)
Robotics Society of Japan (RSJ)
Japanese Society of Mechanical Engineers (JSME)
The Institute of Electronics, Information and
Communication Engineers(IEICE)

CONFERENCE ORGANIZATION

General Chair:
Susumu Tachi

Program Co-chairs:
Michitaka Hirose
Toshio Fukuda

TOPICS

Software Architectures for VR	Operating Systems Considerations for VR
Behavioral Modeling for VR	Parallel Processing for VR
Tools and Techniques for animation and Modeling in VR Systems	Telepresence and Telerobotics Actuators
Software Tools for VR Development and Rapid Prototyping	Human Factors of VR
Artificial Intelligence Applied to VR	Calibration of VR Systems
Fuzzy Logic and Neural Networks Applied to VR	Registration with the Real World
Graphic Algorithms for VR	Evaluation of VR Techniques and Systems
Distributed VR Systems	Safety Standards for VR
Shared VR System	Graphics and Video Hardware for VR
Augmented Reality Systems	VR Display Devices, including : Visual, Audio, Kinesthetic, Force, Tactile, Olfactory, and Taste Displays
VR Environment Design	Sensors
VR Interaction and Navigation Techniques	Position and Motion Tracking
Innovative and Useful Applications of VR	Gesture Recognition
High Performance Driver Design for VR	Wireless Computer Connection

SUBMISSION PROCEDURE

Papers should be printed on letter size white paper, written in English in one-column format in Times or similar font style, 10 points or larger with 2.5 cm margins on all four sides. A length of four pages is encouraged, and a limit of six pages, including figures, tables and references will be enforced. Centered at the top of the first page should be the complete title and the name(s), affiliation(s) and address(es) of the author(s). The Paper Submission Cover Sheet submission. Papers should be sent to:

Michitaka Hirose
University of Tokyo
7-3-1, Hongo, Bunkyo-ku, Tokyo
113, JAPAN
Phone: +81-3-3812-2111
Fax: +81-3-3818-0835
E-mail: hirose@ihl.t.u-tokyo.ac.jp

Toshio Fukuda
Nagoya University
Dept. of Micro System Engineering
Furo-cho, Chikusa-ku, Nagoya
464-01, JAPAN
Phone: +81-52-789-4478
Fax: +81-52-789-3115
E-mail: fukuda@mein.nagoya-u.ac.jp

IMPORTANT DEADLINES:

Submission of proposals for tutorials:	November 15, 1996
Submission of Papers:	December 15, 1996
Notification of Acceptance:	March 1, 1997
Submission of Final Camera Ready Manuscript:	April 30, 1997

VRAIS'97 Conference Information:

Prof. Susumu Tachi: General Chair
University of Tokyo
Research Center for Advanced Science and Technology
4-6-1, Komaba, Meguro-ku
Tokyo 153 JAPAN
Phone: +81-3-3481-4467 Fax: +81-3-3481-4469
E-mail: tachi@tansei.cc.u-tokyo.ac.jp

IEEE TECHNICAL ACTIVITIES

IEEE CONFERENCE INFORMATION SCHEDULE

See reverse side for instructions on how to complete this form

CONFERENCE

Full Title of Conference IEEE Virtual Reality Annual International Symposium
 (VRAIS '97) 2. Dates of Conference July 7-10, 1997

3. Location of Conference (full name and address) _____

4. Estimated Attendance 300 5. Exhibits Yes No

6. Will there be a Conference Publication? Yes No
 If yes, check one: Conference Record Other (explain) _____

7. Identify IEEE entity(s) involved as either Sponsor, Co-Sponsor, Technical Co-Sponsorship or Cooperating and the percentage of involvement. These terms are defined on the reverse side.

Entity	Type of Involvement				Percentage
	S	CS	I	C	
Entity <u>IEEE NNC</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% <u>60</u>
Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____
Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____
Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____

Identify Non-IEEE entity(s) involved and the percentage of involvement:

Entity <u>SICTE</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% <u>10</u>
Entity <u>RSJ</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% <u>10</u>
Entity <u>JSMF</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% <u>10</u>
Entity <u>IEICE</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% <u>10</u>

8. Has the section within whose geographical boundaries the Conference is being held been notified? Yes No

If yes, who was contacted? Secretary Sachio Ichioka, Hitachi Co. Ltd., IEEE Tokyo Section
Name Section

9. Has an IEEE Conference Insurance Form been submitted? Yes No

ADMINISTRATION

the following Conference officers, enter first name, middle initial and last name, plus complete address and telephone number.

CONFERENCE CHAIRMAN Susumu Tachi
 Address Univ. of Tokyo, 4-6-1, Komaba, Meguro-ku
Tokyo 153 JAPAN
 Tel. No. +81-3-3481-4467 Fax No. +81-3-3481-4469 E-Mail tachi@tansei.cc.u-tokyo.ac.jp

INFORMATION CONTACT Susumu Tachi
 Address 4-6-1, Komaba, Meguro-ku, Tokyo 153 JAPAN
Univ. of Tokyo
 Tel. No. +81-3-3481-4467 Fax No. +81-3-3481-4469 E-Mail tachi@tansei.cc.u-tokyo.ac.jp

COMMITTEE MEMBERS

If available, please attach to this form a complete list of Conference Committee members, their titles, addresses, and telephone numbers.

SUBMITTED BY: Toshio Fukuda
 Address Nagoya Univ. Dept. of Micro System Eng., Furo-cho, Chikusa-ku
Nagoya 464-01 Aichi JAPAN
 Tel. No. +81-52-789-4478 Fax No. +81-52-789-3909 E-Mail fukuda@meim.nagoya-u.ac.jp
 Conference Position Program Chairman

SIGNATURE _____ Date Nov. 10, 1994

RETURN TO: IEEE CONFERENCE SERVICES
 445 HOES LANE, P.O. BOX 1331, PISCATAWAY, N.J. 08855-1331, U.S.A.
 FAX: (908) 562-1571
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IEEE TECHNICAL ACTIVITIES
 IEEE CONFERENCE DETAILED FINANCIAL REPORT - PART II: EXPENSE

This form should be completed only for IEEE sponsored or cosponsored Conferences. The care taken in filling out this report will lead to a more accurate projection of your Conference's net surplus or loss.

NOTE: All expense items may be expressed in either U.S. Dollars or in local currency.

Title of Conference IEEE Virtual Reality Annual International Symposium
(VRAIS '99) Dates of Conference July 7-10, 1999

PROMOTION	Budget	Interim Report	Final Report
Printing/Call for Papers	¥\$ 200K	\$ _____	\$ _____
Printing/Advance Program	200K	_____	_____
Printing/Final Program	200K	_____	_____
Mailing Lists/Labels	100K	_____	_____
Postage	700K	_____	_____
Other _____	_____	_____	_____
Total	¥\$ <u>1,400K</u>	\$ _____	\$ _____
CONFERENCE PUBLICATION			
Conference Record/Digest Printing	¥\$ 3,000K	\$ _____	\$ _____
Author Kits Printing	200K	_____	_____
Shipping to Site and IEEE Hq.	200K	_____	_____
Total	¥\$ <u>3,400K</u>	\$ _____	\$ _____
EXHIBITS (Attach detailed statement of all expenses necessary to mount and display exhibits.)	Total ¥\$ <u>0</u>	\$ _____	\$ _____
SOCIAL FUNCTIONS (Itemize event on separate sheets.)	Total ¥\$ <u>2,340K</u>	\$ _____	\$ _____
ADMINISTRATION			
Insurance & Bonding	¥\$ 300K	\$ _____	\$ _____
Security & Guard Service	150K	_____	_____
Projection Equip. Rent & Operator	350K	_____	_____
Management, Secretarial Services	1,500K	_____	_____
Office Equip. Rental	1,000K	_____	_____
Printing forms, Tickets, Stationery, Etc.	200K	_____	_____
Posters, Signs, Badges, Etc.	200K	_____	_____
Telephone	500K	_____	_____
Transportation	100K	_____	_____
Gratuities, Etc. (Attach Details)	0	_____	_____
Total	¥\$ <u>4,300K</u>	\$ _____	\$ _____
ALL OTHER			
Committee Expenses	¥\$ 500K	\$ _____	\$ _____
Other (Attach Details)	_____	_____	_____
Total	¥\$ <u>500K</u>	\$ _____	\$ _____
TOTAL EXPENSES	¥\$ <u>11,940K</u>	\$ _____	\$ _____

CURRENCY

State here the currency utilized in above computations, e.g., U.S. Dollars, Swiss Francs, etc.

Currency utilized: Japanese Yen

In the event a currency other than the U.S. Dollar is utilized, it will be necessary to convert to U.S. Dollars - at the current conversion rate - when submitting your final Summary Financial Report to IEEE.

SUBMITTED BY:

Name Toshio Fukuda Tel. No. (+81) 52-789-4478
 Address Nagoya Univ. Furo-cho, Chikusa-ku, Nagoya Aichi 464-01, JAPAN
 Conference Position Program Chairman

SIGNATURE _____ Date Nov. 10, 1994

NOTE: BE SURE TO COMPLETE AND RETURN ALL FINANCIAL FORMS TOGETHER ("SUMMARY REPORT", "PART I: INCOME", "PART II: EXPENSE" AND "SOCIAL FUNCTIONS").

RETURN TO: IEEE CONFERENCE SERVICES
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IEEE TECHNICAL ACTIVITIES
 IEEE CONFERENCE DETAILED FINANCIAL REPORT - PART I: INCOME

This form should be completed only for IEEE sponsored or cosponsored Conferences. The care taken in filling out this report will lead to a more accurate projection of your Conference's net surplus or loss.

NOTE: All income items may be expressed in either U.S. Dollars or in local currency.

Full title of Conference IEEE Virtual Reality Annual International Symposium
(VRAIS '97) Dates of Conference July 7-10, 1997

INCOME

REGISTRATION FEES	Quantity	Fee	Budget	Interim Report	Final Report
In Advance-Members	200	x ¥ 45K	= ¥\$ 9,000K	\$ _____	\$ _____
In Advance-Nonmembers	40	x ¥ 55K	= 2,200K	_____	_____
In Advance-Reduced Rate	30	x ¥ 15K	= 450K	_____	_____
At Conference-Members	10	x ¥ 55K	= 550K	_____	_____
At Conference-Nonmembers	10	x ¥ 65K	= 650K	_____	_____
At Conference-Reduced Rate	10	x ¥ 20K	= 200K	_____	_____
Total Registrants	<u>300</u>	Total	¥\$ 13,050K	\$ _____	\$ _____
CONFERENCE PUBLICATION SALES					
To Members	_____	x _____	= \$ _____	\$ _____	\$ _____
To Nonmembers	_____	x _____	= _____	_____	_____
To IEEE Hq.	100	x 3,000	= 300K	_____	_____
Total Copies	<u>100</u>	Total	\$ 300K	\$ _____	\$ _____
EXHIBITS					
Tables	4	x ¥ 50K	= ¥\$ 200K	\$ _____	\$ _____
Booths	4	x ¥ 100K	= 400K	_____	_____
Booths	_____	x _____	= _____	_____	_____
	_____	x _____	= _____	_____	_____
	_____	Total	¥\$ 600K	\$ _____	\$ _____
SOCIAL FUNCTIONS					
(Itemize by event on separate sheets.)		Total	¥\$ 0	\$ _____	\$ _____
ALL OTHER (List here or attach details.)					
_____			¥\$ _____	\$ _____	\$ _____
_____			_____	_____	_____
_____			_____	_____	_____
		Total	¥\$ _____	\$ _____	\$ _____
		TOTAL INCOME	¥\$ 13,950K	\$ _____	\$ _____

NOTE: BE SURE TO COMPLETE AND RETURN ALL FINANCIAL FORMS TOGETHER ("SUMMARY REPORT", "PART I: INCOME", "PART II: EXPENSE" AND "SOCIAL FUNCTIONS").

RETURN TO: IEEE CONFERENCE SERVICES
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IEEE TECHNICAL ACTIVITIES

SUMMARY FINANCIAL REPORT FOR IEEE SPONSORED OR COSPONSORED CONFERENCES
See reverse side for instructions on how to complete this form

CONFERENCE

1. Full title of Conference IEEE Virtual Reality Annual International Symposium
(VRAIS '99) 2. Dates of Conference July 7-10, 1999
3. Location of Conference (full name and address) _____

TYPE OF REPORT / CURRENCY USED

4. Indicate type of report by checking one box:
 Budget Interim Report Final Report
5. All income and expense figures below must in U.S. Dollars. For Conferences held outside the U.S.A., indicate here the local currency (e.g., Swiss Francs) and the conversion rate used (local currency units per 1 U.S. Dollar) and date.
Local currency: Japanese YEN Conversion rate: US\$ 1 = ¥ 100 Date of Conversion rate: Nov. 7, 1994

INCOME	Budget	Interim Report	Final Report
6. Registration Fees	¥\$ 13,050K	\$ _____	\$ _____
7. Conference Publication Sales	300K	_____	_____
8. Exhibits	600K	_____	_____
9. Social Functions	0	_____	_____
10. All Other Conference Receipts	0	_____	_____
11. Total Conference Income	13,950K	_____	_____
12. Conference Loans	0	_____	_____
13. Total Receipts	¥\$ 13,950K	\$ _____	\$ _____

EXPENSE	Budget	Interim Report	Final Report
14. Promotion	¥\$ 1,400K	\$ _____	\$ _____
15. Conference Publications	3,400K	_____	_____
16. Exhibits	0	_____	_____
17. Social Functions	2,340K	_____	_____
18. Administration	4,300K	_____	_____
19. All Other Conference Expenses	500K	_____	_____
20. Total Conference Expense	11,940K	_____	_____
21. Loan Repayments	0	_____	_____
22. Total Outlays	¥\$ 11,940K	\$ _____	\$ _____

SURPLUS / (LOSS)
23. Total Receipts (13) ¥\$ 13,950K 24. Total Outlays (22) ¥\$ 11,940K
25. Surplus (Loss)-(Item 23 less Item 24) ¥\$ 2,010K

POST CONFERENCE DISTRIBUTION Surplus (Loss) in Item 25 to be distributed as follows:

Cosponsor Entity	% Share	¥\$ Distributed
a. <u>IEEE NYC</u>	<u>10</u>	<u>1,206K</u>
b. <u>SICE</u>	<u>10</u>	<u>201K</u>
c. <u>RSJ</u>	<u>10</u>	<u>201K</u>
d. <u>JSME</u>	<u>10</u>	<u>201K / 201K</u>
e. <u>IEICE</u>		
Surplus (Loss)		¥\$ <u>2,010K</u>

CONFERENCE FINANCIAL INSTITUTION
Name of Bank _____
Address _____
Conference Account Title _____ Account No. _____
Have you requested IEEE Conference Insurance? Yes No

SUBMITTED BY:
Name Toshio Fukuda Tel.No. (t81) 52-789-4478
Address Nagoya Univ. Furo-cho, Chikusa-Ku, Nagoya 464-01, JAPAN
Conference Position Program Chairman

CONFERENCE SIGNATURE _____ SOCIETY SIGNATURE _____ Date _____

RETURN TO: IEEE CONFERENCE SERVICES
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CALL FOR PAPERS (tentative)

**1996 IEEE International Conference on
Evolutionary Computing (ICEC'96)**

May 20-22, 1996
Nagoya University, Nagoya, JAPAN

Co-Sponsored by IEEE Neural Network Council (NNC)
Society of Instrumentation and Control Engineers (SICE)

TOPICS:

Theory of evolutionary computation
Applications of evolutionary computation
Efficiency / robustness comparisons with other direct search algorithms
Parallel computer implementations
Artificial Life and biologically inspired evolutionary computation
Evolutionary algorithms for computational intelligence
Comparisons between difference variants of evolutionary algorithms
Machine learning applications
Genetic Algorithm and selforganization
Evolutionary computation for neural networks
Fuzzy logic in evolutionary algorithms
Applications

SUBMISSION PROCEDURE:

Prospective authors are invited to submit papers related to the listed topics for oral or poster presentation. Five(5) copies of the paper must be submitted for review. Papers should be printed on letter size white paper, written in English in one-column format in Times or similar font style, 10 points or larger with 2.5 cm margins on all four sides. A length of four pages is encouraged, and a limit of six pages, including figures, tables and references will be enforced.

Centered at the top of the first page should be the complete title and the name(s), affiliation(s) and address(es) of the author(s). Papers should be sent to:

Toshio Fukuda, General Chair
Nagoya University
Dept. of Micro System Engineering and
Dept. of Mechano-Informatics and Systems
Furo-cho, Chikusa-ku, Nagoya 464-01, JAPAN
Phone: +81-52-789-4478 Fax: +81-52-789-3909
E-mail: fukuda@mein.nagoya-u.ac.jp

All correspondence regarding the conference should also be addressed to the above address.

ICEC'96 will be organized in conjunction with conference of Artificial Life (May 16-18, 1996, Kyoto, JAPAN).

IMPORTANT DATES:

Proposal for tutorial and exhibits	November 30, 1995
Submission of Papers	December 31, 1995
Notification of acceptance	February 20, 1996
Submission of camera-ready papers	March 20, 1996

PROGRAM CO-CHAIRS:

Zbigniew Michalewicz	Thomas Baeck	Hiroaki Kitano
University of North Carolina	University of Dortmund	Sony Computer Science Laboratory

IEEE TECHNICAL ACTIVITIES
IEEE CONFERENCE INFORMATION SCHEDULE

See reverse side for instructions on how to complete this form

CONFERENCE

1. Full Title of Conference 1996 IEEE International Conference on Evolutionary Computation (ICEC '96) 2. Dates of Conference May 20-22, 1996
3. Location of Conference (full name and address) Nagoya Univ., Furo-cho, Chikusa-Ku, Nagoya
4. Estimated Attendance 200 5. Exhibits Yes No
6. Will there be a Conference Publication? Yes No
If yes, check one: Conference Record Other (explain) _____

7. Identify IEEE entity(s) involved as either Sponsor, Co-Sponsor, Technical Co-Sponsorship or Cooperating and the percentage of involvement. These terms are defined on the reverse side.

Entity	Type of Involvement				Percentage
	S	CS	I	C	
Entity <u>IEEE NAIC</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% <u>60</u>
Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____
Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____
Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____

Identify Non-IEEE entity(s) involved and the percentage of involvement:

Entity <u>SICE</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% <u>40</u>
Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____

8. Has the section within whose geographical boundaries the Conference is being held been notified? Yes No

If yes, who was contacted? Sachio Ishioka ^{Secretary} IEEE Tokyo Section
Name Section

9. Has an IEEE Conference Insurance Form been submitted? Yes No

ADMINISTRATION

For the following Conference officers, enter first name, middle initial and last name, plus complete address and telephone number.

CONFERENCE CHAIRMAN Toshio Fukuda
 Address Nagoya University, Dept. of Micro System Eng. Furo-cho, Chikusa-ku
Nagoya Aichi 464-01 JAPAN
 Tel. No. +81-52-789-4478 Fax No. +81-52-789-3909 E-Mail fukuda@meih.nagoya-u.ac.jp

INFORMATION CONTACT Toshio Fukuda
 Address Nagoya University, Dept. of Micro System Eng. Furo-cho, Chikusa-ku
Nagoya Aichi 464-01 JAPAN
 Tel. No. +81-52-789-4478 Fax No. +81-52-789-3909 E-Mail fukuda@meih.nagoya-u.ac.jp

COMMITTEE MEMBERS

If available, please attach to this form a complete list of Conference Committee members, their titles, addresses, and telephone numbers.

SUBMITTED BY: Toshio Fukuda
 Address Nagoya Univ., Dept. of Micro System Eng. Furo-cho, Chikusa-ku, Nagoya Aichi
464-01 JAPAN
 Tel. No. +81-52-789-4478 Fax No. +81-52-789-3909 E-Mail fukuda@meih.nagoya-u.ac.jp
 Conference Position Conference Chairman

SIGNATURE Toshio Fukuda Date Nov. 8, 1994

RETURN TO: IEEE CONFERENCE SERVICES
445 HOES LANE, P.O. BOX 1331, PISCATAWAY, N.J. 08855-1331, U.S.A.
FAX: (908) 562-1571
KEEP A COPY FOR YOUR RECORDS



IEEE TECHNICAL ACTIVITIES
 IEEE CONFERENCE DETAILED FINANCIAL REPORT - PART I: INCOME

This form should be completed only for IEEE sponsored or cosponsored Conferences. The care taken in filling out this report will lead to a more accurate projection of your Conference's net surplus or loss.

NOTE: All income items may be expressed in either U.S. Dollars or in local currency.

Full title of Conference 1996 IEEE International Conference on Evolutionary Computation
(ICEC '96) Dates of Conference May 20-22, 1996

INCOME

REGISTRATION FEES

	Quantity	Fee	Budget	Interim Report	Final Report
In Advance-Members	125	x ¥ 45k	= ¥\$ 5,625 K	\$ _____	\$ _____
In Advance-Nonmembers	15	x ¥ 50k	= 750 K	_____	_____
In Advance-Reduced Rate	25	x ¥ 15k	= 375 K	_____	_____
At Conference-Members	10	x ¥ 55k	= 550 K	_____	_____
At Conference-Nonmembers	15	x ¥ 60k	= 900 K	_____	_____
At Conference-Reduced Rate	10	x ¥ 20k	= 200 K	_____	_____
Total Registrants	<u>200</u>	Total	¥\$ 8,400 K	\$ _____	\$ _____

CONFERENCE PUBLICATION SALES

To Members	_____	x _____	= ¥\$ _____	\$ _____	\$ _____
To Nonmembers	_____	x _____	= _____	_____	_____
To IEEE Hq.	150	x 3,000	= 450 K	_____	_____
Total Copies	<u>150</u>	Total	¥\$ 450 K	\$ _____	\$ _____

EXHIBITS

Tables	_____	x _____	= ¥\$ _____	\$ _____	\$ _____
Booths	_____	x _____	= _____	_____	_____
Booths	_____	x _____	= _____	_____	_____
_____	_____	x _____	= _____	_____	_____
Total			¥\$ 0	\$ _____	\$ _____

SOCIAL FUNCTIONS

(Itemize by event on separate sheets.) **Total** ¥\$ _____ \$ _____ \$ _____

ALL OTHER (List here or attach details.)

_____			¥\$ _____	\$ _____	\$ _____
_____			_____	_____	_____
_____			_____	_____	_____
Total			¥\$ 0	\$ _____	\$ _____
TOTAL INCOME			¥\$ 8,850 K	\$ _____	\$ _____

NOTE: BE SURE TO COMPLETE AND RETURN ALL FINANCIAL FORMS TOGETHER ("SUMMARY REPORT", "PART I: INCOME", "PART II: EXPENSE" AND "SOCIAL FUNCTIONS").

RETURN TO: IEEE CONFERENCE SERVICES
 445 HOES LANE, P.O. BOX 1331, PISCATAWAY, N.J. 08855-1331, U.S.A.
 KEEP A COPY FOR YOUR RECORDS



IEEE TECHNICAL ACTIVITIES
 IEEE CONFERENCE DETAILED FINANCIAL REPORT - PART II: EXPENSE

This form should be completed only for IEEE sponsored or cosponsored Conferences. The care taken in filling out this report will lead to a more accurate projection of your Conference's net surplus or loss.

NOTE: All expense items may be expressed in either U.S. Dollars or in local currency.

Full title of Conference 1996 IEEE International Conference on Evolutionary Computing
 (ICEC-96) Dates of Conference May 20 (Mon.) - 22 (Wed.)

PROMOTION	Budget	Interim Report	Final Report
Printing/Call for Papers	¥\$ 150k	\$ _____	\$ _____
Printing/Advance Program	150k	_____	_____
Printing/Final Program	150k	_____	_____
Mailing Lists/Labels	100k	_____	_____
Postage	600k	_____	_____
Other _____	100k	_____	_____
Total	¥\$ <u>1,250k</u>	\$ _____	\$ _____
CONFERENCE PUBLICATION			
Conference Record/Digest Printing	¥\$ 1,500k	\$ _____	\$ _____
Author Kits Printing	100k	_____	_____
Shipping to Site and IEEE Hq.	150k	_____	_____
Total	¥\$ <u>1,750k</u>	\$ _____	\$ _____
EXHIBITS (Attach detailed statement of all expenses necessary to mount and display exhibits.)	Total ¥\$ <u>0</u>	\$ _____	\$ _____
SOCIAL FUNCTIONS (Itemize event on separate sheets.)	Total ¥\$ <u>875k</u>	\$ _____	\$ _____
ADMINISTRATION			
Insurance & Bonding	¥\$ 200k	\$ _____	\$ _____
Security & Guard Service	100k	_____	_____
Projection Equip. Rent & Operator	300k	_____	_____
Management, Secretarial Services	1,000k	_____	_____
Office Equip. Rental	500k	_____	_____
Printing forms, Tickets, Stationery, Etc.	100k	_____	_____
Posters, Signs, Badges, Etc.	200k	_____	_____
Telephone	200k	_____	_____
Transportation	200k	_____	_____
Gratuities, Etc. (Attach Details)	0	_____	_____
Total	¥\$ <u>2,800k</u>	\$ _____	\$ _____
ALL OTHER			
Committee Expenses	¥\$ 200k	\$ _____	\$ _____
Other (Attach Details)	_____	_____	_____
Total	¥\$ <u>200k</u>	\$ _____	\$ _____
TOTAL EXPENSES	\$ <u>6,875k</u>	\$ _____	\$ _____

CURRENCY

State here the currency utilized in above computations, e.g., U.S. Dollars, Swiss Francs, etc.

Currency utilized: JAPANESE YEN

In the event a currency other than the U.S. Dollar is utilized, it will be necessary to convert to U.S. Dollars - at the current conversion rate - when submitting your final Summary Financial Report to IEEE.

SUBMITTED BY:

Name Toshio Fukuda Tel. No. (+81) 52-789-4478
 Address Nagoya Univ. Furo-cho, Chikusa-ku, Nagoya 464-01, JAPAN
 Conference Position Conference Chairman

SIGNATURE Toshio Fukuda Date _____

NOTE: BE SURE TO COMPLETE AND RETURN ALL FINANCIAL FORMS TOGETHER ("SUMMARY REPORT", "PART I: INCOME", "PART II: EXPENSE" AND "SOCIAL FUNCTIONS").

RETURN TO: IEEE CONFERENCE SERVICES
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IEEE

IEEE TECHNICAL ACTIVITIES

SUMMARY FINANCIAL REPORT FOR IEEE SPONSORED OR COSPONSORED CONFERENCES
 See reverse side for instructions on how to complete this form

CONFERENCE

1. Full title of Conference 1996 IEEE International Conference on Evolutionary Computation (ICEC '96)
 2. Dates of Conference May 20-22, 1996
 3. Location of Conference (full name and address) Nagoya Univ. Nagoya, JAPAN

TYPE OF REPORT / CURRENCY USED

4. Indicate type of report by checking one box:
 Budget Interim Report Final Report

5. All income and expense figures below must in U.S. Dollars. For Conferences held outside the U.S.A., indicate here the local currency (e.g., Swiss Francs) and the conversion rate used (local currency units per 1 U.S. Dollar) and date.

Local currency: Japanese Yen Conversion rate: US \$1 = ¥100 Date of Conversion rate: Nov. 8, 1994

INCOME

	Budget	Interim Report	Final Report
6. Registration Fees	¥ 8,400K	\$ _____	\$ _____
7. Conference Publication Sales	450K	_____	_____
8. Exhibits	0	_____	_____
9. Social Functions	0	_____	_____
10. All Other Conference Receipts	0	_____	_____
11. Total Conference Income	8,850K	_____	_____
12. Conference Loans	0	_____	_____
13. Total Receipts	¥ 8,850K	\$ _____	\$ _____

EXPENSE

	Budget	Interim Report	Final Report
14. Promotion	¥ 1,250K	\$ _____	\$ _____
15. Conference Publications	1,750K	_____	_____
16. Exhibits	0	_____	_____
17. Social Functions	875K	_____	_____
Administration	2,800K	_____	_____
18. All Other Conference Expenses	200K	_____	_____
20. Total Conference Expense	6,875K	_____	_____
21. Loan Repayments	0	_____	_____
22. Total Outlays	¥ 6,875K	\$ _____	\$ _____

SURPLUS / (LOSS)

23. Total Receipts (13) ¥ 8,850K 24. Total Outlays (22) ¥ 6,875K
 25. Surplus (Loss) - (Item 23 less Item 24) ¥ 1,975K

POST CONFERENCE DISTRIBUTION

Surplus (Loss) in Item 25 to be distributed as follows:

Cosponsor Entity	% Share	¥ Distributed
a. <u>IEEE NVC</u>	<u>60</u>	<u>1,185K</u>
b. <u>SICE</u>	<u>40</u>	<u>790K</u>
c. _____	_____	_____
d. _____	_____	_____
Surplus (Loss)		¥ <u>1,975K</u>

CONFERENCE FINANCIAL INSTITUTION

Name of Bank _____
 Address _____
 Conference Account Title _____ Account No. _____
 Have you requested IEEE Conference Insurance? Yes No

SUBMITTED BY:
 Name Toshio Fukuda Tel. No. (Int'l) 52-789-4478
 Address Nagoya Univ., Dept. of Micro System Eng., Furo-cho, Chikusa-ku, Nagoya 464-01 Aichi, JAPAN
 Conference Position Conference Chairman

CONFERENCE SIGNATURE Fukuda SOCIETY SIGNATURE _____ Date _____

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SOCIAL FUNCTIONS

- (1) Coffee, pastries, etc., between sessions
 No. Breaks 4 X No. people 175 X \$/person ¥250 ¥\$ 175k \$ _____
- (2) Luncheons
 No. Luncheons _____ X No. people _____ X \$/person _____ ¥\$ 0 \$ _____
- (3) Receptions
 No. Receptions 1 X No. people 175 X \$/person ¥4,000 ¥\$ 700k \$ _____
- (4) Banquets
 No. Banquets _____ X No. people _____ X \$/person _____ ¥\$ 0 \$ _____
- (5) Speakers Hospitality
 No. people X \$/person _____ ¥\$ 0 \$ _____
- (6) Transportation (courtesy bus, etc.)..... ¥\$ 0 \$ _____

Companies providing chartered bus services must submit proof of a current and valid certificate of insurance during the dates

the event with coverage of at least 1 million dollars. A copy of this certificate should be submitted with the IEEE conference Insurance form. IEEE Insurance coverage does not cover boat or air transportation.

- (7) Other social functions expenses (specific)..... ¥\$ 0 \$ _____

TOTAL SOCIAL FUNCTION EXPENSES	¥\$ <u>875k</u>	\$ _____
SOCIAL COST PER ATTENDEE	¥\$ <u>5,000</u>	\$ _____

NOTE: BE SURE TO COMPLETE AND RETURN ALL FINANCIAL FORMS TOGETHER ("PART I: INCOME", "PART II: EXPENSE", "SOCIAL FUNCTIONS" AND "SUMMARY REPORT").

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From karplus@CS.UCLA.EDU Thu Feb 23 17:52:46 1995
Return-Path: <karplus@CS.UCLA.EDU>
Received: from mx5.u.washington.edu by carson.u.washington.edu
(5.65+UW94.10/UW-NDC Revision: 2.32) id AA05818;
Thu, 23 Feb 95 17:52:45 -0800
Received: from edison.ee.washington.edu by mx5.u.washington.edu
(5.65+UW94.10/UW-NDC Revision: 2.31) id AA06144;
Thu, 23 Feb 95 17:52:43 -0800
Received: from Lanai.CS.UCLA.EDU by edison.ee.washington.edu
(5.65/UW-NDC Revision: 2.6) id AA00704; Thu, 23 Feb 95 17:56:00 -0800
Received: by lanai.cs.ucla.edu
(Sendmail 4.1/3.27) id AA24124;
Thu, 23 Feb 95 17:49:19 PST
Date: Thu, 23 Feb 95 17:49:18 PST
From: Dr Walter Karplus <karplus@CS.UCLA.EDU>
Message-Id: <950224.014918z.23445.karplus@lanai.cs.ucla.edu>
To: nnc-adcom@CS.UCLA.EDU, pres@CS.UCLA.EDU
Subject: NNC AdCom Meeting on March 12
Status: R

Dear AdCom member and Society President:

By now you should all have received in the mail some read-ahead materials in a blue binder. Please let me know if you did not receive it.

Three of our committees have sent me reports since that mailing. I am attaching these to this message, rather than letting reports accumulate and flooding you at the last minute. I am not planning to hand these out in hard copy form at the meeting. So make copies for yourselves now if you want hard copies.

FELLOWS COMMITTEE

In 1994 the NNC Fellows Committee received five nominations for IEEE Fellows grade. The following nominees from the NNC were elected: C. Mead, J. Alspector and D. Sanchez Ayalas.

Members of the NNC AdCom are urged to nominate candidates for Fellow for this year.

Edgar Sanchez-Sinenco
Texas A&M University
e-mail sanchez@eecads.tamu.edu

FUZY SYSTEMS COMMITTEE

The members of this committee are all experts in the field of fuzzy systems. I have selected them in different world regions to provide more coverage. I would like to introduce the members of this committee to you with a brief comment on their unique capabilities.

1. Professor Lotfi Zadeh
Professor Lotfi Zadeh
Electrical Engineering and Computer Sciences
University of California
Berkeley, CA 94720
phone: (510) 642-4959, (510) 642-8271
fax: (510) 643-8426

Lotfi and I are in contact at least once or twice a week.
Obviously, he brings his wide expertise and his ideas about the
important directions that this field should take.

2. Professor Hans Zimmerman
ELITE, Scientific Director
Komeliucenter
Promenade 9
D-5100 Aachen
+ 49 24 08 6969
fax: + 49 24 08 9 45 82
email: elite@rmi.de

He is involved in several major European projects on fuzzy systems
in addition to several companies that he co-funded all related to
fuzzy systems. He is the editor of our journal "fuzzy sets and
systems".

3. Professor Kaoru Hirota
Tokyo Institute of Technology,
4259 Nagatsuta-cho, Midori-ku, Yokohama 226, Japan
e-mail hirota@hrt.sys.titech.ac.jp
tel & fax +81-45-924-5686/5676
tel +81-45-924-5682

He brings with him a very extensive view of fuzzy systems in Japanese
industries. He is one of the main authorities in this field in
Japan.

4. Professors Didier Dubois and Henri Prade

These professors are very much interested in contributing to the
activities of our committee and have been with the committee since
its start.

5. Professor Takeshi Yamakawa
yamakawa@ces.ces.kyutech.ac.jp
Japan

A pioneer in the field of fuzzy systems computer hardware, he brings
his vision about the directions in fuzzy computer architecture
research and development.

6. Professor Mo Jamshidi
AT&T Professor and Director
The University of New Mexico

CAD Laboratory for System/Robotics
Dept. of Electrical and Computer Engineering
Albuquerque, NM 87131, USA
W. phone:505/277-5538 Msg:505/277-2436 Lab:505/-0300
Fax 505/277-1439 or 505/277-0813
e-Mail: Jamshid@houdini.unm.edu

7. Professor Witold Pedrycz
University of Manitoba
pedrycz@eeserv.ee.umanitoba.ca
Canada

Currently, we plan to meet during the FUZZ-IEEE conference in Yokohama, Japan, March 20-24 with possible meeting date on March 21st. The agenda for this meeting is being drafted but it includes the following topics:

1. The conferences in 1995, both national and international
2. Discussions on who to recommend for IEEE fellowship with the understanding that another IEEE fellow committee, independent of ours, will do the final selection.
3. Recommendations on people in the fuzzy community to be recognized as "pioneers in fuzzy systems".
4. Discussions on IEEE books on fuzzy systems
5. Discussions on new video tape tutorials
6. Discussions on the important directions in the field that our graduate students should pursue.
7. Other important issues that will be suggested for discussion between now and the meeting time on March 21, 1995 in Yokohama.

I will document our progress and will report to the NNC Council right after my return from Japan.

Hamid Berenji
Intelligent Inference Systems Corp.
MS:269-2
NASA Ames Research Center
Moffett Field, CA 94035
Phone: (415) 604-6070
Fax: (415) 604-3594

STANDARDS COMMITTEE

Program for March 11:

The Standards Committee meeting will take place at VRAIS:

```
*****  
*                               *  
* PLACE: Sheraton Imperial Hotel *  
*   Research Triangle Park, NC   *  
* DATE: Saturday                 *  
* TIME: Noon - 1:00 pm          *  
* ROOM: TBA                      *  
*                               *  
*****
```

I propose the following agenda for the Standards Committee Meeting.
If anyone has some more items, please let me know and I'll
include them.

IN THE INTEREST OF TIME:

If you plan to make motions please have them ready in writing so that
they can be recorded.

If you have printed material to present (other than what will be submitted
for the AdCom Book), please have an extra copy for
our records.

See you at VRAIS.

Mary Lou Padgett
NNC Standards

NNC STANDARDS COMMITTEE MEETING

RTP, NC

March 11, 1995

Rm: TBA

1. VR Standards (Blade)
 - a. Status of Glossary
 - b. Status of SPA System for Communicating
 - c. Status of Database for Balloting Group
 - d. Status of Relevant Standards (Margaret Loper, DIS)
 - e. Future Projects (VR in Military Info Systems,
VR and Disabilities, John Dockery, Headquarters)

- f. Outline of Program for Saturday PM and Sunday
- 2. ANN Standards (Padgett)
 - a. Status of SPA System draft
 - b. Status of Balloting Group Survey
 - c. Draft in Electronic Form
 - Glossary (Padgett)
 - Paradigms (Tzanakou)
 - Performance (Feedforward) (Shelton)
 - Training (Green)
- 3. FZ Standards (Berenji)
 - a. Status of SPA System preliminary draft
 - b. Status of Balloting Group Database
 - c. Status of relevant standards
 - d. International cooperation (Fukuda)
- 4. EC Standards (Vemuri)
 - a. Status of SPA System preliminary draft
 - b. Status of Balloting Group Database
 - c. Status of relevant standards
- 5. Future Plans (Padgett)
 - a. Training sessions for volunteers (Jane Radatz)
 - b. Widespread invitations for participation and comment
 - c. Expansion of electronic communications for circulating and refining drafts

Note: Virtual Reports will be provided by those not able to attend in person. These will be supplemented by written material. Formal meeting will be brief, but supplemented by RAP sessions over the weekend.

Report for 1994:

SUBJECT: Annual Report of IEEE NNC Standards Committee, February 22, 1995

I. Sponsor View: Mission: Develop standards for the definition, specification and analysis of systems using artificial neural networks, fuzzy systems, evolutionary systems and/or virtual reality.

II. Organizational Structure:

Neural Networks Council (NNC) President (W. Karplus) IEEE Standards Board

•
•

•

NNC Standards Committee Chair / Standards Board Liaison (M. Padgett)

•
NNC-Standards Activities Board (SAB)

Computational Intelligence CI (M. Padgett)	Artificial Neural Networks NN (R. Green)	Fuzzy Systems FZ (H. Berenji)	Evolutionary Systems EC (R. Vemuri)	Virtual Reality VR (R. Blade)
--	--	-------------------------------------	---	-------------------------------------

P1424-Overview P1305-Glossary P1423-Glossary P1422-Glossary P1392-Glossary
P1306-Performance
P1421-Training

For each of the Focal Areas, the Area Coordinator reports to the NNC-SC Chair/SB Liaison. Together they coordinate the activities of each Working Group (WG) in the Focal Area (FA), the FA-Balloting Group (BG), FA-Technical Resource Group (TRG) and FA-Standards Resource Group (SRG).

FOCAL AREA
Coordinator

WG1, WG2, ... , Wgn FA-BG FA-TRG FA-SRG

For each Project in a Focal Area, there is a separate Working Group, whose chair coordinates the four tasks:
WG Balloting, WG Draft Standards Development, WG Coordination, WG Communications.

A properly constituted Working Group has at least three officers:
Chair, Vice-Chair and Recorder.

These people, or other volunteers, will head the four task areas of the working group. It is suggested that one officer handle the database and balloting, another handle the technical aspects of developing the draft standard, and another handle the relevant standards aspects of coordination. Coordination and communications should be carefully supervised by the IEEE Standards Board Liaison for the Project.

Group communications via the mailservers at IEEE are encouraged. These will eventually be archived and will greatly assist the careful documentation of the standards development process.

WORKING GROUP
Chair

Vice Chair Recorder WG-BG WG-TRG WG-SRG Required-Coordination

Working Group Members
(All Interested Parties)

WG TASKS for 1994 and early 1995

A. Balloting

1. Develop and maintain a database of contacts to be invited to join the Working Group(s).

Note: ALL interested suppliers, users, etc. must be invited.

The balloting group will be chosen from people in the working group who carefully respond to requests for information and comments.

The formal balloting group will be selected as a balanced sample from the working group. Care must be taken to be sure that experts from the various areas of the field impacted by the standards are included in the balloting group.

2. Collect recommendations for persons to be invited to join the Resource Group(s).

Technical Resource Group (technical area experts)

Standards Resource Group (standards experts)

Note: A body of technical experts will be assembled for each Working Group from the FA-TRG. Many leaders in the fields impacted have limited time for generating standards, but will gladly comment on proposed drafts. The method for distributing such drafts and collecting comments will be to place drafts on password-protected FTP sites at IEEE headquarters and notify people about updates using the mailservers recently established. This list of resource people can potentially fill gaps in the preliminary list of balloting group members.

B. Draft Standard

1. Establish Scope and Purpose.

2. Outline proposed content:

Structural organization: Modules useful in designing applied systems.

3. Text of proposed content.

a. For glossaries:

i) List of terms to be defined:

Level of detail: 20-30 terms per topic.

ii) List of preliminary definitions

Note: We are soliciting original contributions which can be copyrighted by IEEE. We do not want to show favoritism to any one source or author.

b. For performance and training:

i) Lessons learned, precautions for suppliers and users

ii) List of sources and locations for examples

4. Bibliography: List texts, people, other standards.

C. Coordination

1. List coordinations required on the PAR and contact information

2. Summarize contacts made with these people and/or societies, beginning EARLY

3. List relevant standards.

D. Communication

1. Advertise activities to insure open meetings and membership.

2. List meetings organized and/or attended. Try to go everywhere invited.

3. Publications.

4. Conference calls, other phone contacts

FORMAT of reports: ASCII for posting on ftp sites and email communications.

(The IEEE Staff provides people to format the material in final form, including hypertext markup where needed.)

Need dbase compatible database information, mailing labels where possible, ASCII form for posting.

FREQUENCY of reports:

March 1, 1995; June 1, 1995; September 1, 1995; December 1, 1995.

**FREQUENCY of ftp site updates of drafts and database/balloting information:
MONTHLY.**

Since we are in expansion mode and are just forming the balloting groups which older societies have had in place for years, our operations will be different in nature from those of the older societies.

To balance the magnitude of our task, we have tremendously enthusiastic support from the IEEE Standards Board and Staff. As a team, we have a chance to accomplish some very helpful things in the coming year. The development of these standards is a service project worthy of all of our best efforts.

SUMMARY OF RECENT ACCOMPLISHMENTS AND PLANS

- | | |
|---|-----------------------|
| 1. Projects Started: | 2. Projects Continued |
| NN Training | NN Glossary |
| VR Glossary | NN Performance |
| FZ Glossary | |
| EC Glossary | |
| CI Overview: Umbrella project for relating all the other efforts. | |

Extensive personal contacts at major conferences all over the world insured the openness of our efforts. These projects were highly advertised at these conferences, in the NNC newsletter and in every publication requesting information. Surveys soliciting working group membership have been circulated. Recently, over a thousand people having an interest in NNC standard received a Survey designed to provide information for the selection of balanced balloting groups. Another thousand people have recently been entered into an upgraded database designed to provide contact information for the SPA system mailservers and to allow recording of balloting group and working group comments and their resolutions.

The Standards Survey form mailed out last week has been put into electronic form and distributed with a request for posting it on the internet. It is being marked up for WWW posting by IEEE, and will be placed on the public ftp sites at IEEE tomorrow. The electronic form mentions that working groups are always open, and new balloting groups are formed as needed.

Due to the recent expansion of efforts from one focal area to five, many of the tasks formerly executed by the NNC Standards Chair have been delegated to Focal Area Coordinators. Standards Board members and experienced Standards volunteers have been recruited to help train and guide all the new volunteers. The pool of Technical Resource persons has been greatly expanded, to incorporate the new areas.

The draft standard for the ANN glossary has been circulated sequentially to leaders in the field, and to people attending conferences requesting NNC Standards activities. Comments have been resolved, and the first few modules of the document have been submitted to the IEEE Standards Staff for comment. A password-protected ftp site has been established at IEEE for this and other drafts. A mailserver will be used to prompt group members to read and comment on the latest drafts. Test documents and test mailserver

members are in place. The first survey responses are arriving, so Balloting Group selection can be initiated at the next Standards Board meeting. Barring unforeseen controversies, the Draft document should be ready for RevCom consideration early next year.

The draft standard for the ANN performance measures consists of some examples that are provided with the NASA Nets software and with the Aspirin/Migraines software. Several new volunteers have offered to collect some guidelines and cautions to supplement the draft. The new ANN training project test sets are available from the chair, R. Green, and will be put on the ftp site. Green will establish links to this site for popular ANN internet lists.

The Fuzzy Systems Focal Area database currently has 314 people. Expansion will continue at the Yokohama conference, where Toshio Fukuda, Hamid Berenji and Padgett will circulate a preliminary draft and solicit comments and group membership. A preliminary list of terms to be defined is ready for the ftp site (H. Berenji).

The Evolutionary System Focal Area database has been initiated. Some terms to be defined, and some definitions are ready for the ftp site (R. Vemuri). More public notice and solicitation for participation is planned.

The Virtual Reality Focal Area database has been established by R. Blade and Padgett in the past year. This will continue to grow even larger. Areas of VR to be considered by the glossary have been outlined by Blade, and a preliminary list of terms is on the ftp site. C. Manetta plans to draft a glossary in the next few months. Efforts to keep the VR standards cognizant of the needs of disabled people have met with a lot of encouragement. This goal will continue to be emphasized in the VR and other focal areas. As soon as resources permit, guidelines for the specification and analysis of VR systems will be outlined and added to the overview project material. These should produce new projects in the future.

The budget was spent as planned, to support the expansion of the NNC standards effort, to keep participation available to NNC subscribers and conference attendees and to promote cooperations with all.

Thanks to all of you who have helped, and to those who have recently volunteered!

Mary Lou Padgett
IEEE Standards Board Member, NNC Liaison and Standards Chair

Post-it brand fax transmittal memo 7671		# of pages > 5
To	S. KARTALOPOULOS	From
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Draft Manuscript Review (Required): An in-depth, technical review of a book's entire content. Reviewers provide an in-depth critical review of the book's content, e.g., technical accuracy and currency, clarity of description, completeness, usefulness of methodology. Recommendations for fine-tuning the book, or pointing out key areas of concern as to the manuscript's readiness for publication are stressed. It is here that a "champion reviewer" may emerge as our "Guiding Light" to the book's full potential.

Final Manuscript Review (Optional): A final review of the *revised* manuscript to determine a book's readiness for publication. Reviewers are directed to see if formerly weak or missing sections have been adequately addressed and remedied by the author. This reviewing stage is decided upon only if reviews of the complete draft (above) have been fairly critical and indicative of the book's unreadiness for publication.

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DRAFT

Institute of Electrical and Electronics Engineers
SOCIETY ON COMPUTATIONAL INTELLIGENCE

CONSTITUTION

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Institute of Electrical and Electronics Engineers
SOCIETY ON COMPUTATIONAL INTELLIGENCE
CONSTITUTION

ARTICLE I - Name and purposes

Section 1. The name of the organization constituted herein shall be the IEEE Society on Computational Intelligence of the Institute of Electrical and Electronics Engineers, Inc.

Section 2. The purposes of the Society are scientific, literary and educational in character, directed toward the advancement of the theory and practice of computational intelligence and allied branches of engineering or the related arts and science, in order to increase the professional standing of the Members and Affiliates. All such goals must be in consonance with the Constitution, Bylaws, and Statements of Policy of the IEEE, and with special attention to such aims within the Field of Interest of the Society as are herein after defined.

Section 3. The Society shall aid in promoting close cooperation and exchange of technical information among its Members and Affiliates, and as means to these ends shall hold public meetings for the reading and discussion of periodical and special works of literature, science and art pertaining thereto, the initiation and development of engineering standards, and any other activities necessary, suitable and proper for the fulfillment of these objectives. Through its Committees the Society shall study and provide for the needs of its Members and Affiliates.

ARTICLE II - Field of Interest

Section 1. The Field of Interest of the Society shall be the theory, design, application, and development of biologically and linguistically motivated computational paradigms emphasizing neural networks, connectionist systems, genetic algorithms, evolutionary programming, fuzzy systems, and hybrid intelligent systems in which these paradigms are contained. Changes to the field of interest may be made with the approval of the IEEE Technical Activities Board.

ARTICLE III - Membership

Section 1. The membership of this Society shall be limited to Members of the IEEE of any grade, including Students, Honorary, Life or Retired Members, who have a professional interest in any phase of the Field of Interest of the Society.

Section 2. The society will accept Affiliates in accordance with IEEE Bylaws, or Statement of Policy, subject to any additional limitations imposed by the Society Bylaws.

ARTICLE IV - Management and Election of Officers

Section 1. The Society shall be managed by an Administrative Committee known as the Adcom, consisting of nine voting Members who are elected from the membership at large. In addition, the following officers shall form the Executive Committee (Excom) and are ex officio members with vote, whether or not they are also included in the nine:

President
President-Elect
Administrative Vice President
Vice President for Conferences
Vice President for Publications
Immediate Past President

Section 2. Election of the Officers and Members of the Adcom shall be by a method detailed in the Bylaws, which method shall include a provision for nominations by petition of Society Members who are not Officers or Members of the Adcom.

Section 3. The President shall serve as an officer for three years: The year following his/her election, the individual elected to the presidency serves as president elect. The next year he/she assumes the presidency. The past president may again be elected to the presidency following a lapse of three years after serving as president.

The other officers are elected for one year terms. They may each serve a maximum of three consecutive full terms. Eligibility for office is restored after a lapse of one year. Filling an unexpired term for more than six months shall count as a full term.

Section 4. The terms of office of the nine Members of the Adcom shall be three years, with three of the Members to be elected each year. Not more than two consecutive full terms are permitted, unless otherwise provided in the Bylaws, but eligibility is restored after a lapse of one year.

Section 5. In order to ensure a continuously active Adcom, elected Members who miss three consecutive meetings of the Adcom will be dropped from Membership, in the absence of extenuating circumstances. Such circumstances shall be determined by the President, with the consent of the remaining Members of the Adcom. Any vacancies caused by this process shall be filled in accord with Article V, Section 9 of this Constitution.

ARTICLE V - Powers, Privileges, and Duties

Section 1. It shall be the duty of each Member of the Society to vote on matters which are submitted to the membership in a referendum. Each Member shall keep the Adcom informed concerning his views and may attend any meeting of the Adcom. He/she shall be allowed the floor at any meeting but may not make motions, vote, or preside.

Section 2. The duties and responsibilities of the Officers and Members of the Adcom shall be defined hereunder and in the Bylaws, and as further delineated by the Adcom.

Section 3. The President, under the direction of the Adcom, shall call all regular and special meetings of the Adcom, general meetings of the Society, and the Annual Meeting of the Society, and shall preside at all such meetings. He/she shall coordinate and supervise all activities of the Society and have such other powers and perform such other duties as may be provided in the Society Bylaws, or as may be delegated to him/her by vote of the Society Adcom. It shall be the duty of the President to see that the order and resolutions of the Society Adcom, the IEEE Technical Activities Board, the IEEE Executive Committee and IEEE Board of Governors are carried out. The President shall be an ex officio member of all standing, Technical and Special Committees of the Society except the Nominations Committee. He/she may vote in the Adcom if necessary to break a tie, and may vote during the election of officers.

The President is an ex officio member of the Technical Activities Board and, when notified of a meeting of said Board, shall insure representation of the Society at meetings of this Board. He/she may delegate such representation to another Officer or Member of the Adcom on a meeting-by-meeting basis, by written notice to the Chairman of the Technical Activities Board. If an alternate is not available, the President shall present the views of the Society by a letter of proxy.

Section 4. The President-Elect shall assume the duties and have the powers, privileges, and responsibilities of the President during the latter's absence.

Other duties may be assigned to the President-Elect in the Bylaws.

Section 5. The Administrative Vice President shall perform the functions of Secretary and Treasurer. He/she shall be responsible for all reports, petitions, and records concerning the Society. He/she shall keep true and faithful minutes of all meetings of the Adcom and general meetings of the Society, and shall make such reports of activities as may be required by the Adcom, the IEEE Technical Activities Board or the IEEE Executive Committee. He/she shall be responsible for sending out notices according to instructions of the Adcom, or required by the Society Constitution or Bylaws. He/she shall keep file copies of all meeting notices, minutes of meetings, letters and bulletins sent and received for at least seven years, except for those which may be specifically assigned to the custody of others. He/she shall send current archival copies to the IEEE Headquarters for storage.

The Administrative Vice President shall prepare and propose a budget for approval by the Adcom, and shall monitor expenditures to verify that they are in accord with the approved budget. He/she shall prepare financial reports as requested by the President and the Adcom.

Section 6. The duties of the other Vice Presidents are delineated in the Bylaws.

Section 7. The duties of the Immediate Past President shall include those of all other voting Members of the Adcom. Additional duties may be assigned in the Bylaws.

Section 8. The duties of the Adcom shall be to represent the interests of members of the Society. The Adcom shall approve the annual budget and authorize the expenditure of funds for the Society. The Adcom shall approve amendments to the Constitution and make changes to the Bylaws as stipulated herein Article XI.

Section 9. Should the office of the President become vacant due to resignation, death or long-term incapacitation, the Adcom shall select one of the Vice Presidents to assume the office for the remainder of the year and then assume the office of Past President for the following year. Vacancies in all other offices, including that of Vice President when that person assumes the Presidency, shall be filled by vote of the Adcom either at a duly constituted meeting or by mail ballot.

If action of the President is required and the President and President-Elect are both unable to perform the requisite duties, the line of succession is Immediate Past President, Administrative Vice President, and then Vice Presidents based on seniority.

If a member of the Adcom is removed from office due to inactivity or incapacity, the President shall appoint, with the approval of the Adcom, the individual with the highest non-elected votes during the previous election to fill out the remainder of that member's term. Upon a majority of two-thirds of the legally cast votes of the Adcom members present, the vacant office or membership may be filled for the unexpired term, upon nominations from the floor.

Section 10. The Society may utilize the services of IEEE Head-Quarters as bursar for all or part of the Society funds, as provided by the IEEE Bylaws and Statements of Policy. If any part of the Society funds is received and deposited separately, the terms and conditions shall be in accord with IEEE policies and subject to the provisions of the Society Bylaws and to any special limitations imposed by the Adcom.

Conferences or Symposia jointly sponsored with other technical societies are excluded from the above provisions, when a Constitution for the meeting has been approved by the Adcom and the IEEE.

Returns from investment of Society funds shall be credited to the Society. Disbursements shall be made on the signature or instructions of the Vice President for Administration. If the Administrative Vice President is disabled or unable to serve, the President may make disbursements during the incapacity.

Section 11. The President-Elect, Vice Presidents, and newly elected members of the Adcom shall assume office on January 1 of the year immediately following their election or as soon thereafter as practicable. They shall continue in office until the new officers have been duly elected and have taken office.

Section 12. A Chapter in a Section may be formed and operated on any plan not inconsistent with the powers of the Adcom of this Society. A Chapter may assist the Adcom of this Society in the management of a meeting, conference, lecture series, symposium, or convention promoted by the Society in a Section. The Chapter may promote meetings of the Section in the Field of Interest of this Society, under the supervision and control of the Officers of the Section in which the Chapter is located.

Section 13. The President shall appoint the Chairman and Members of each of the Standing Committee provided by the Bylaws as soon as expedient after assuming office.

Special or ad hoc Committees may be established and Officers and Members appointed by the President. Technical Committees may be established as needed to develop standards or other specific areas of interest, and as listed in the Bylaws.

Members appointed to committees and similar posts shall have a term of one year, but shall serve until their successors are appointed or the Committee is dissolved, except where other terms are specifically designated by the Adcom.

Section 14. Monies held by or for the Society legally belong to the IEEE, and such monies shall not be expended for activities prohibited by the Bylaws of the Institute, the Constitution and Bylaws of the Society, by regulations published in the IEEE Technical Activities Board Manual, or any other purposes known to be inimical to the interests of IEEE.

Section 15. No Officer of the Society, Member of the Adcom, or other representative shall have the authority to contract debts for, pledge the credit of, or in any way bind the IEEE for any amount in excess of the funds allocated to the Society in a budget previously authorized by the Adcom.

Section 16. No Officer of the Society or Members of the Adcom shall receive, directly or indirectly, any salary, traveling expenses, compensation, or emolument from the Society as an Officer or in any other capacity unless authorized by the Adcom or by the Bylaws for the Society.

ARTICLE VI - Financial Support

Section 1. The Society shall collect from its Members and Affiliates an annual assessment or fee, in accordance with the Bylaws and applicable Statements of Policy. The amount of the fee shall be determined each year by the Adcom, as specified in the Bylaws.

Section 2. The Society may make registration charges at its Society meetings, conferences, lecture series, discussion groups, symposia, or conventions. The registration fee for non-members shall be higher than for IEEE Members and Society Affiliates, unless there are prior agreements with another society and approved by IEEE.

Section 3. The Society may raise revenues by other means, provided such means do not encroach on revenue fields of prior established Councils, Societies, Groups or Sections.

Any new revenue means not explicitly covered by IEEE Statements of Policy must be approved by the General Manager of the IEEE before being adopted by the Society.

ARTICLE VII - Meetings

Section 1. The Society may hold technical meetings, conferences, lecture series, symposia, or conventions either alone or in cooperation with Sectional, Regional, or Major Convention Committees of the IEEE, or other technical organizations, but the approval of IEEE Headquarters must be obtained in advance in order to prevent conflicts of dates or subject matter. The Society shall sponsor at least one technical conference of international scope each year.

Section 2. Meetings, conferences, lecture series, discussion groups, symposia, or conventions of the Society shall be open on an equal basis to all members of the IEEE, regardless of grade, and to Society or Group Affiliates upon payment of the appropriate registration fee, if any. Such activities shall not be held at a time or place which will conflict with a sectional, regional, or international meeting, conference, lecture series, symposium, or convention without approval of the Executive Committee of the IEEE.

Section 3. Meetings of the Adcom shall be held at such times as are found necessary or convenient. Meetings of the Adcom may be called by the President of the Society at his/her own discretion, or upon request by at least three other Officers or Members of the Adcom. The time, place and agenda shall be announced to all voting and ex officio Members of the Adcom at least twenty days in advance of the meeting, or by first-class mail to the address of record at least 25 days in advance of the meeting.

Section 4. The Adcom shall have at least one meeting per year called in accordance with Section 3 above.

Section 5. Five elected Members of the Adcom shall constitute a quorum.

Section 6. All Officers and Adcom Members shall have an equal vote, except as otherwise provided in the Constitution or Bylaws. All Officers of committees and subcommittees, and Chapter Chairmen, unless elected as Officers or to the Adcom, shall be ex officio non-voting members.

Section 7. A majority of the legal votes cast by those Officers and Members of the Adcom attending a meeting shall be necessary in the conduct of its business, except as otherwise provided in this Constitution or the Bylaws.

Section 8. Business of the Adcom may be handled by correspondence, telephone, email, or FAX, where in the opinion of the President matters requiring action can be adequately handled in that manner. All voting members of the Adcom are to be notified of any such proposed action and a majority of the legal votes cast by the Members of the Adcom is necessary for approval of actions handled in that manner, unless otherwise provided in the Constitution or Bylaws. Telephone acts are to be confirmed promptly in writing.

Section 9. If less than a quorum attend a duly called meeting, tentative actions may be taken which will become effective upon subsequent ratification, either at a meeting or by mail. If mail ratification is used, minutes of such meetings shall be mailed by the Vice President for Administration to each voting Adcom Member, who shall register his approval or disapproval of any actions taken at such meetings within twenty days after mailing said minutes, or he/she shall be deemed to have ratified.

ARTICLE VIII - Publications

Section 1. Publication of programs, notices and the like may be made entirely or partly in the IEEE Spectrum, Society Transactions, convention and conference records, or the Society Magazine, subject to IEEE policies and to any further guidance or controls prescribed by the Adcom or its duly appointed committees.

Section 2. The Society may undertake, alone or jointly with others, the publication of one or more Transactions or other journals, as approved by the IEEE Executive Committee. Selection of the published material shall be in accordance with the objectives and policies of IEEE and the Society. The direct and indirect support of such publications shall be divided between the Society and IEEE, as prescribed by applicable rules and regulations, and in accordance with IEEE procedures.

Section 3. The President, with the advice and consent of the Adcom, shall appoint such editors as may be required to implement the publication program. The duties of an editor, and his/her compensation, if any, shall be as prescribed in the Bylaws.

ARTICLE IX - Referendum

Section 1. A referendum may be initiated by the Adcom or by a petition to the President by at least two percent of the Society Membership. More than one question may be included on any ballot.

ARTICLE X - Recall

Section 1. If for any reason the best interest of the Society seem to require a change in the Officers or the Adcom during the year, the matter shall be duly and carefully considered by the Adcom. Upon not less than a two-thirds vote of the Adcom or upon receipt by Adcom of a petition signed by two percent of the Members of the Society, the Adcom shall meet for the special purpose of considering and voting upon the recommended change. The call for the meeting must be issued not less than twenty days before the date set, or sent by first-class mail to the address of record no later than twenty-five days prior to the meeting. Notice of such proposed action shall be given to the delinquent Officer or Member of the Adcom at least twenty days before the Adcom meeting.

Section 2. An affirmative vote of two-thirds of the legally cast votes of the Adcom Members present shall be necessary to declare an Office or Membership on the Adcom vacant. The vacant office shall be filled in accordance with Article V, Section 9 of this Constitution.

Section 3. Members of the Society who fail to obtain relief from their grievances by action of the Officers and Adcom may submit a written petition, signed by not less than twenty members of the Society, to the Chairman of the Technical Activities Board. This petition shall state the nature of the grievance and the relief requested.

ARTICLE XI - Amendments

Section 1. Amendments to this Constitution may be initiated by petition submitted to the President by twenty-five members of the Society, or by action of the Adcom. Two-thirds of the votes legally cast by the Adcom shall be required for approval of any change. The change shall then be submitted to the Chairman of the IEEE Technical Activities Board for approval.

After such approval, the proposed amendment shall be publicized by direct mailing to the membership, with notice that it goes into effect unless two percent of the Society Members object in writing within thirty days. If this number of objections is received, a copy of the proposed amendment shall be mailed with a ballot to all Members of the Society at least thirty days before the date appointed for return of the ballots, and the ballots shall carry a statement of the time limit for their return to the IEEE office. When a mail vote of the entire Society Membership is made necessary, approval of the amendment by at least two-thirds of the ballots legally cast shall be necessary for its enactment.

Section 2. Bylaws to this Constitution may be adopted or changed by two-thirds vote legally cast by the Adcom present at a regular or special meeting, provided that notice of the proposed new Bylaw or Amendment has been mailed to each Member of the Adcom at least twenty days prior to such meeting; or a Bylaw may be changed by an affirmative vote of two-thirds of the legally cast votes of the Members of the Adcom by communication from the President to each member and vote received by mail, provided at least a twenty-day period is provided for such responses. The new Bylaw or Amendment shall be published in the Society Transactions or Magazine, and a copy filed with the Secretary of the Technical Activities Board, at least twenty days prior to the effective date.

Section 3. The Constitution, Bylaws and Statements of Policy of the IEEE shall at all times take precedence over those of the Society.

Section 4. All amendments to the Constitution and Bylaws shall become effective as soon after the affirmative vote as all approvals required by IEEE policies have been obtained, unless a later date has been specified at the time the vote is taken.

Institute of Electrical and Electronics Engineers
SOCIETY ON COMPUTATIONAL INTELLIGENCE

BYLAWS

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BYLAWS FOR THE IEEE SOCIETY ON COMPUTATIONAL INTELLIGENCE

These bylaws provide detailed guidance for the supervision and management of the Society affairs, in accordance with the Society Constitution. Amendments or additions may be made by means of the procedures described in Article XI, Section 2 of the Constitution.

ARTICLE I - Rules of Order

Section 1. In all matters not covered by the Constitution, Bylaws and Rules, the Society shall be governed by the latest edition of Roberts Rules of Order.

ARTICLE II - Officers and Their Duties

Section 1. The individual elected President of the Society shall, during the first year following election serve as President-Elect, with duties as defined in the Constitution. During the second year (President) the duties are specified by the Constitution. During the third year the Immediate Past President shall coordinate the work of the following committees: Nominations, Fellows, Prize Papers, Awards, and Constitution and Bylaws.

Section 2. The Administrative Vice President shall oversee the financial and other administrative duties including those of a society secretary and a society treasurer.

Section 3. There shall be a Vice President for Conferences, who shall oversee the conference activities of the society.

Section 4. There shall be a Vice President for Publications, who shall oversee all the publications activities in the society.

ARTICLE III - Nominations and Elections

Section 1. Immediately following the beginning of each year, the Past President of the Society shall appoint a Nominations Committee which shall consist of a Chairman and three more members of the Society. At least two of the four shall not be members of the Adcom. The Society Officers and the Immediate Past President may not serve on the Nominations Committee, or be members ex officio.

Section 2. The Chairman of the Nominations Committee shall cause a call for nominations of Officers and Members of the Adcom to be published and distributed to the entire Society membership, on or before April 15 of each year. The call must carry with it a statement setting a time limit for the submission of nomination petitions to the Society. A nomination by petition from the Society membership must contain valid signatures of at least fifteen Society members, excluding Students and Affiliates, and must be received by the President of the Society on or before June 1. The reception of any such valid petition shall automatically place that nominee on the slate, provided he/she is an IEEE and Society Member in good standing and meets all other requirements of the Constitution and these Bylaws.

Section 3. Recommendations for all nominees shall also be solicited by a letter from the Chairman of the Nominations Committee to the Chairman of all chapters, Standing and Technical Committees of the Society. Each year the Nominations Committee shall nominate at least five (5) members of the Society, excluding students and affiliates, for membership on the Adcom. Each

nominee shall be consulted prior to the nomination to see if he/she will serve. If any nominee so requests, the name shall be withdrawn. Chapter Chairmen shall be asked specifically to nominate individuals to represent the interest of Chapters.

Section 4. On or before June 10, the final slate of nominations to the Adcom shall be prepared by the Nominations Committee and sent to IEEE Headquarters for the preparation of a mail ballot. Five or more names shall be listed as candidates for the three positions.

A ballot shall be mailed to each Member of the Society on or before July 15, with a statement that only those legally cast ballots received by IEEE Headquarters on or before September 15 will be counted. That office shall transmit the results of the election to the President and Administrative Vice President of the Society prior to the date of the Annual Meeting of the Adcom.

The three candidates receiving the largest number of votes are declared elected. Ties shall be broken by the Adcom. If an elected Member fails to accept office, or a disapproval is received from Headquarters, the candidate receiving the next highest number of votes will be elected. The list of candidates and votes shall be maintained to fill vacancies that may occur during the year. If all vacancies cannot be filled in this manner, the President may call for a special election to fill the vacancies.

The President shall submit the names of such elected Adcom members to the Chairman of the Technical Activities Board. Unless disapproval of such elected members is received within sixty days of such transmittal, the election becomes final.

Section 5. Society Officers shall be elected by Members of the Adcom. The Chairman of the Nominations Committee shall communicate with the Vice Presidents, and all voting Members of the Adcom prior to September 1 to see who will serve as an Officer if elected. If any nominee so requests, his/her name shall be withdrawn. Recommendations for officers shall also be solicited from the Chairmen of all Chapters, Standing and Technical Committees.

Section 6. The Nominations Committee shall be guided in its selections by principles of fairness so that all technical interests of the society are represented by the Officers and Adcom Members.

Section 7. The Chairman of the Nominations Committee shall submit nominations for officers to the IEEE-TAB office prior to October 1.

Section 8. Nominations by the membership for President and Vice Presidents by written petition to the President of the Society must be in the hands of the President by September 20 and the names of these candidates should be included in the slate submitted for election.

Section 9. If declinations are received after the nominations for officers have been made but before ballots have been sent out, the President of the Society may make additional nominations.

Section 10. The names of any nominees for Officers who are not eligible under the Constitution or Bylaws shall be withdrawn by the President of the Society.

Section 11. The IEEE-TAB office shall prepare a ballot including the names submitted by the Nominations Committee and those nominated under Section 8 and 9 above. This ballot shall be submitted to the Adcom on or about October 1. A blank for write-in candidates shall be left for each office on the ballot. The ballots should be returned to the IEEE-TAB office by November 1. For each office if no candidate receives a majority, then a run-off ballot will be prepared and submitted to the Members of the Adcom by November 10. This ballot will contain only the names

of the two highest candidates for each office wherein a majority was not received by one candidate. No write-ins are allowed on this ballot. The ballot shall be returned by December 1. If an elected officer fails to accept office or a disapproval is received from IEEE Headquarters because there has been some irregularity in the nomination and election procedures or the elected individual has failed to maintain IEEE membership or Society membership, then an approval/disapproval ballot should be sent to the Adcom for ratification of the next highest candidate for that office from the previous ballot. If the Adcom should disapprove or if the disqualified candidate is the only candidate for that office, then the Nominations Committee should draw up a new slate for that office. This ballot may be submitted by mail or at a duly constituted meeting of the Adcom.

Section 12. The President of the Society shall inform the successful candidate of their election and shall arrange for the transfer of responsibility. The names of such elected members shall be published to the Society membership and reported to the IEEE General Manager.

ARTICLE IV - Membership and Society Affiliates

Section 1. There shall be only one grade of Society membership, and it shall be available to all IEEE members, based upon the payment of the annual fee prescribed in these Bylaws, Article VII, Section 1.

Section 2. A reduction of the annual fee may be made for those classes of Members prescribed by IEEE Statements of Policy.

Section 3. Any member in good standing of an organization recognized for affiliate purposes by specific action of the Adcom of the Society, and by the IEEE Executive Committee, is eligible to become a Society Affiliate upon payment of the prescribed Affiliate's assessment, provided he/she shall not have been an IEEE member during the five years previous to his/her Affiliate applications. Affiliates may join in accordance with any other provision that may be incorporated in IEEE Statements of Policy.

ARTICLE V - Administrative Organization

Section 1. An Executive Committee, chaired by the President, is concerned with the day-to-day affairs of the Society. Particular duties are:

- (1) Development of the Annual Report
- (2) Tracking of finances
- (3) Development of the Agenda for Adcom meeting
- (4) Strategic planning

In addition to the President, the Executive Committee members are:

President-Elect
Past President
Administrative Vice President
Vice President for Conferences
Vice President for Publications

Section 2. Each year, prior to the annual Adcom meeting, the Administrative Vice President shall prepare the annual budget and submit it to the Adcom for approval. The Administrative Vice President shall provide fiscal guidance to the Vice Presidents in the preparation of their budgets.

Section 3. The Vice President for Conferences shall:

- (1) Prepare the annual budget submission to the Adcom for approval, based on guidance from the Administrative Vice President, and make projections on future conference budgets.
- (2) Review periodically the activities of the Conference Committees of current and future Society sponsored and cosponsored conferences.
- (3) Approve proposals for future sites for the Society sponsored conferences.
- (4) Approve conferences requesting Society sponsorship or cosponsorship.
- (5) Coordinate International Conferences.
- (6) Appoint the general chairman, subject to approval by the Adcom, for each Society sponsored international conference and the primary Society representative on cosponsored conference committees.

Section 4. The Vice President for Publications shall:

- (1) Prepare the annual budget submission to the Adcom, based on guidance from the Administrative Vice President, for approval.
- (2) Establish publication policies for all Society sponsored transactions.
- (3) Approve Special Issues of Transactions and joint issues with other IEEE publications.
- (4) Appoint Editorial Boards, apart from the editors who are appointed by the President, of all transactions.
- (5) Approve IEEE press publications sponsored by the Society.

ARTICLE VI - Committee Activities

Section 1. Awards, as authorized by the Adcom with the approval of the TAB Awards and Recognition Committee, shall be given by the Society. Each award shall be assigned to the appropriate Awards Committee. The committees shall solicit nominations for the awards, screen candidates, and recommend awards to the Adcom. Where appropriate, the committees should also recommend candidates for Medals, Awards and other recognitions within the IEEE. The following Awards Committees shall be appointed by the President:

- (1) Achievement Awards Committee
- (2) Education Awards Committee
- (3) Prize Paper Awards Committee
- (4) Service Awards Committee

Section 2. The Constitution and Bylaws Committee, appointed by the Past President shall:

- a. Maintain up-to-date copies of the Constitution and Bylaws and make them available at each meeting of the Adcom.

b. Ascertain that the Constitution and Bylaws are not in conflict with any requirements or rules of IEEE Headquarters.

c. Recommend changes in the Constitution and Bylaws as necessary to conform to the developments of the Society, its Adcom, and its membership and mode of operation.

d. The Chairman of the Constitution and Bylaws committee shall serve as parliamentarian and consultant on procedural matters at meetings of the Adcom.

Section 3. The Fellows Committee, appointed by the Past President, shall:

a. Encourage Fellow nominations for worthy candidates who have contributed to the Society.

b. Review Fellow nominees on behalf of the Society for the IEEE Fellows Committee. The members of this Committee must be Fellows of the IEEE and members of the Society.

Section 4. For each Transaction authorized by the Adcom, the Editor appointed by the President and approved by the Adcom, and Associate Editors, appointed by the Vice President for Publications, shall form an Editorial Board. Each Editorial Board shall solicit or otherwise obtain appropriate papers and review and edit same for their respective Transactions according to policies set by the Vice President for Publications. The Transactions shall be published with the assistance of the IEEE Publications Staff. Each Editorial Board shall present a page limit and dollar budget to the Vice President for Publications for the preparation of the annual budget.

Section 5. For each international conference authorized by the Vice President for Conferences and the Adcom, the General Chairman appointed for that conference shall establish a committee and subcommittees to plan and manage the affairs of that conference. The Committee may establish a separate bank account subject to the regulations of the IEEE for such accounts. The Committee shall arrange for the publication of conference proceedings in accordance with the policies of the IEEE Publications Board and the TAB Publications Committee.

Section 6. For technical areas within the field of interest of the Society, Technical Committees may be established. Each committee shall prepare a charter and the committee becomes formal when the charter is approved by the Adcom. Such committees may assist in organizing workshops, special sessions at conferences, tutorial programs and other activities that advance the state of knowledge and educate the Society and general IEEE membership in their respective areas.

ARTICLE VII - Finances

Section 1. On or before July 1 of each year, the annual fee for the Society Members and Affiliates shall be set by the Adcom for the next calendar year.

Section 2. Registration fees may be charged at special Society meetings, conferences, lecture series, symposia, and conventions.

Section 3. Prior to the meeting of the Adcom in which the annual budget is to be approved, the Administrative Vice President shall provide guidance to the other Vice Presidents, who shall submit to the President and the Administrative Vice President of the Society a proposed budget for the ensuing year. The Administrative Vice President shall present the proposed budget to the Adcom for approval. When approved by the Adcom, this budget shall become binding upon the Society until such time as it may be changed by the Adcom. This budget will constitute

authorization to the Administrative Vice President to disburse the funds in amounts not to exceed any budget item.

The Administrative Vice President shall be responsible for forwarding to IEEE Headquarters the approved budget and IEEE Headquarters will be thereby authorized to disburse the funds in accordance with these instructions from the Administrative Vice President. The Administrative Vice President shall obtain a financial statement of receipts, expenditures and balances from IEEE Headquarters at least twice yearly and shall distribute copies of this statement to all Members of the Adcom. A running account of commitments to date shall also be kept.

Section 4. The general chair for a symposium or technical conference may, with the advice and consent of the Vice President for Conferences, authorize the symposium or technical conference treasurer or fiscal officer to open an account to be used for the deposit and disbursement of funds related to the symposium or conference. In each case, the Vice President shall be advised of the name of the bank, the anticipated size of the account, the names of the account signatories, and of arrangements for insurance and for bonding. Symposia or technical conferences jointly sponsored with other technical societies or educational institutions are excluded where a charter of operations with the other societies or education institutions is approved by the Adcom and the IEEE Executive Committee.

Section 5. For other special circumstances, such as cosponsorship of a symposium, the Adcom shall make prudent arrangements to safeguard the Society's funds that may be involved.

ARTICLE VIII - Meetings

Section 1. The Administrative Vice President shall notify the Officers, Members and ex officio Members of the Adcom, the Immediate Past President, all Chapter Chairmen in the Sections, all Chairmen of Standing, Technical and special Committees, and appropriate guests of the time, place and agenda of all meetings of the Adcom at least twenty days in advance of the meeting.

Section 2. A roll call shall be made at the beginning of each Adcom meeting. The Administrative Vice President shall record the names of those present and announce whether a quorum exists.

Section 3. The Administrative Vice President shall transmit in writing within ten days of their adoption all motions, directives or orders of the Adcom or of the Society to the person, persons, Members or Affiliates affected. He/she shall transmit a true and faithful copy of the minutes of all meetings of the Adcom or of the Society to the President, President-Elect, Vice Presidents, Members of the Adcom, Chairmen of the Standing and Special Committees, the Chairmen of each Technical Committee, Chapter Chairmen in the Sections, and to the Secretary of the IEEE Technical Activities Board within thirty days of the meeting. As soon after January 1 as practicable he/she shall provide a directory listing the names and addresses of all of the above mentioned people to each person named therein.

Section 4. The Chairmen of all Standing, Technical and Special Committees, and all Chapter Chairmen in the Sections shall be invited to attend all meetings of the Adcom as guests and advisors but shall not have the right to propose motions, vote, or preside, unless they are voting Members of the Adcom.

Section 5. Meetings of the Adcom, once called, may be cancelled or changed in time only by consent of a majority of all the Members of the Adcom not less than fourteen days before the original date or the new date set for the meeting, whichever is earlier. Notice of such cancellation

or changed date shall be given all Adcom Members by mailing a notice not less than ten days before the original or the new date, whichever is the earlier.

Section 6. Meetings of the Society may be held at international or regional meetings or conventions of the IEEE, or jointly with another Society, whenever such a meeting is deemed desirable by the Adcom.

Section 7. Notice of Society meetings shall be sent to all Members and Affiliates of the Society by mail by the Administrative Vice President not less than thirty days prior to the scheduled date of the meeting. When holding joint meetings of the Society with Sections of the IEEE, or with other societies, the Administrative Vice President shall send meeting notices to all members of the Society, but not to those of the cooperating Section or Society, the latter being notified by their regular channels.

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1998 World Congress on Computational Intelligence

**A Proposal to the
IEEE Neural Networks Council**

Prepared by

Patrick K. Simpson

Scientific Fishery Systems, Inc.
xm8@sdcc12.ucsd.edu
619/675-7080

Peggy Looney

Anchorage Convention and Visitors Bureau
907/276-4118

March 11-12, 1994

Raleigh, NC

Agenda

- **NNC Conference History**
- **WCCI 94 Analysis**
- **WCCI 98 Proposal**

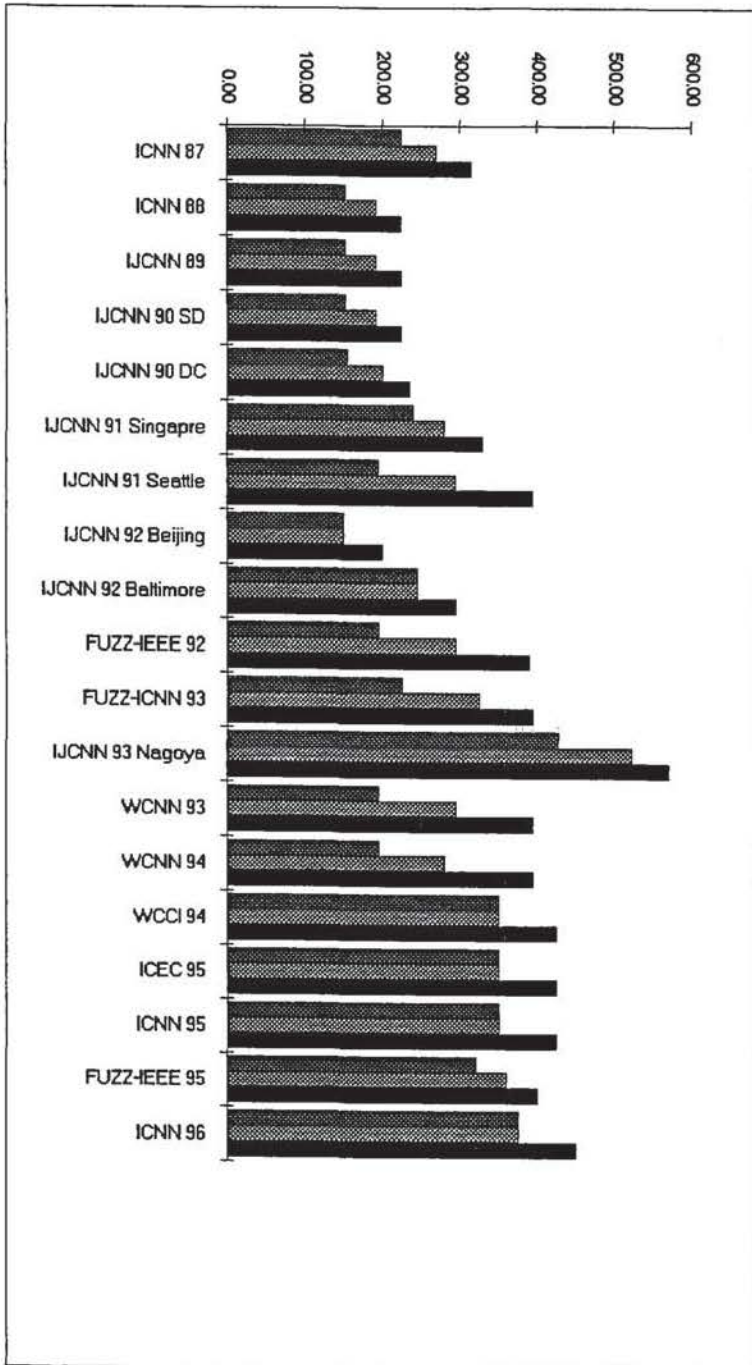
Agenda

- **NNC Conference History**
- **WCCI 94 Analysis**
- **WCCI 98 Proposal**

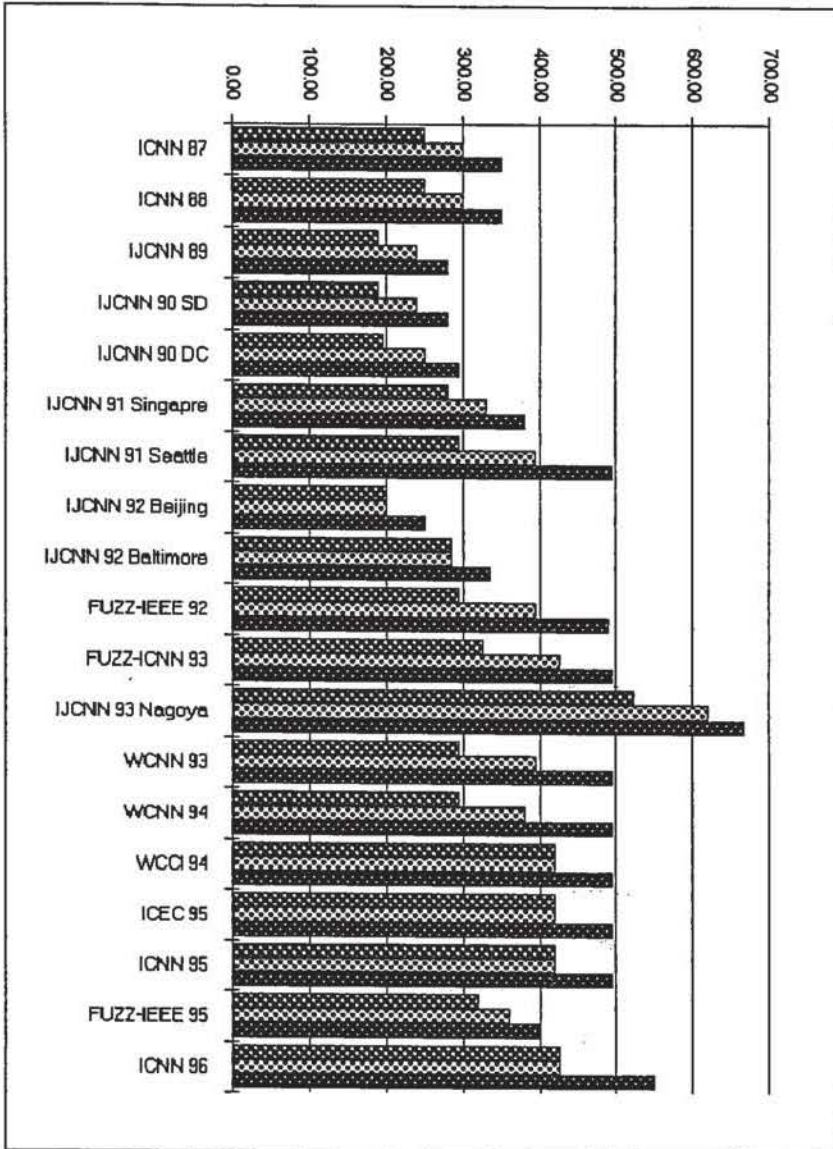
NNC Conference History

- **Registration Fees**
- **Hotel Rates**
- **Tutorial Fees**

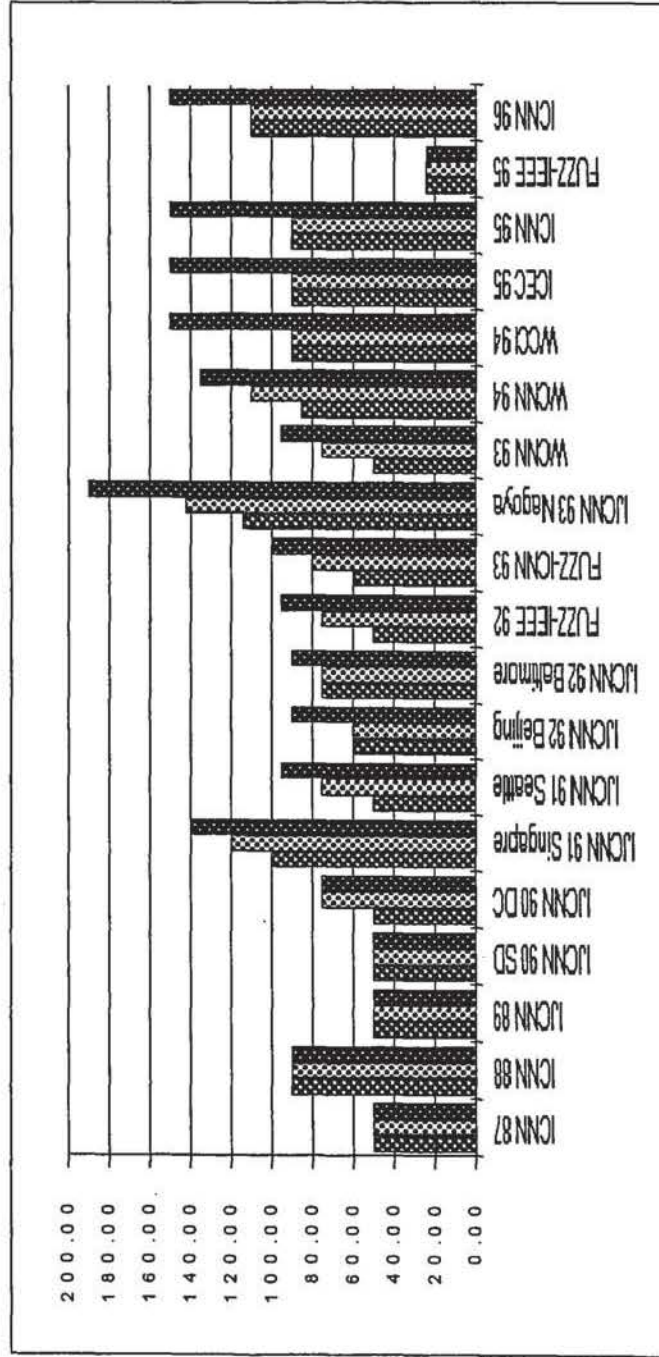
Conference Registration Fees - Member -



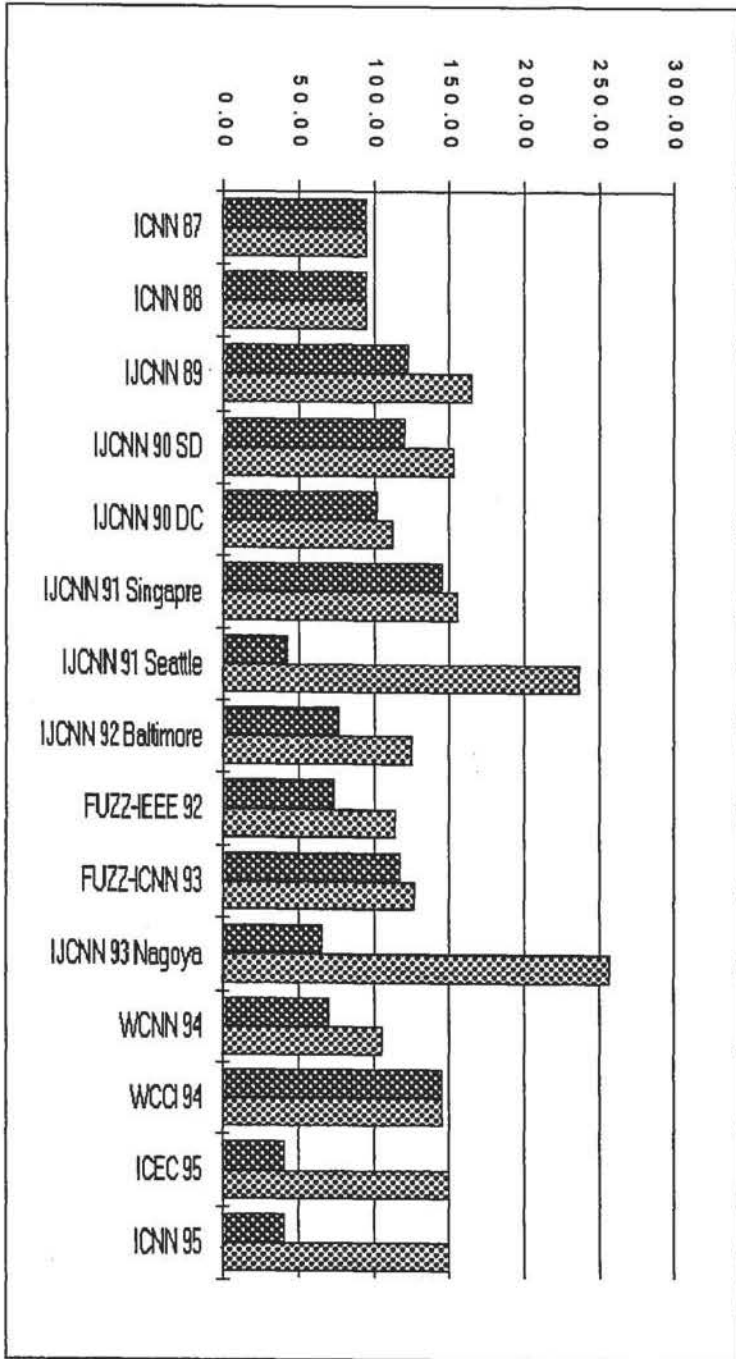
Conference Registration Fees - Non Member -



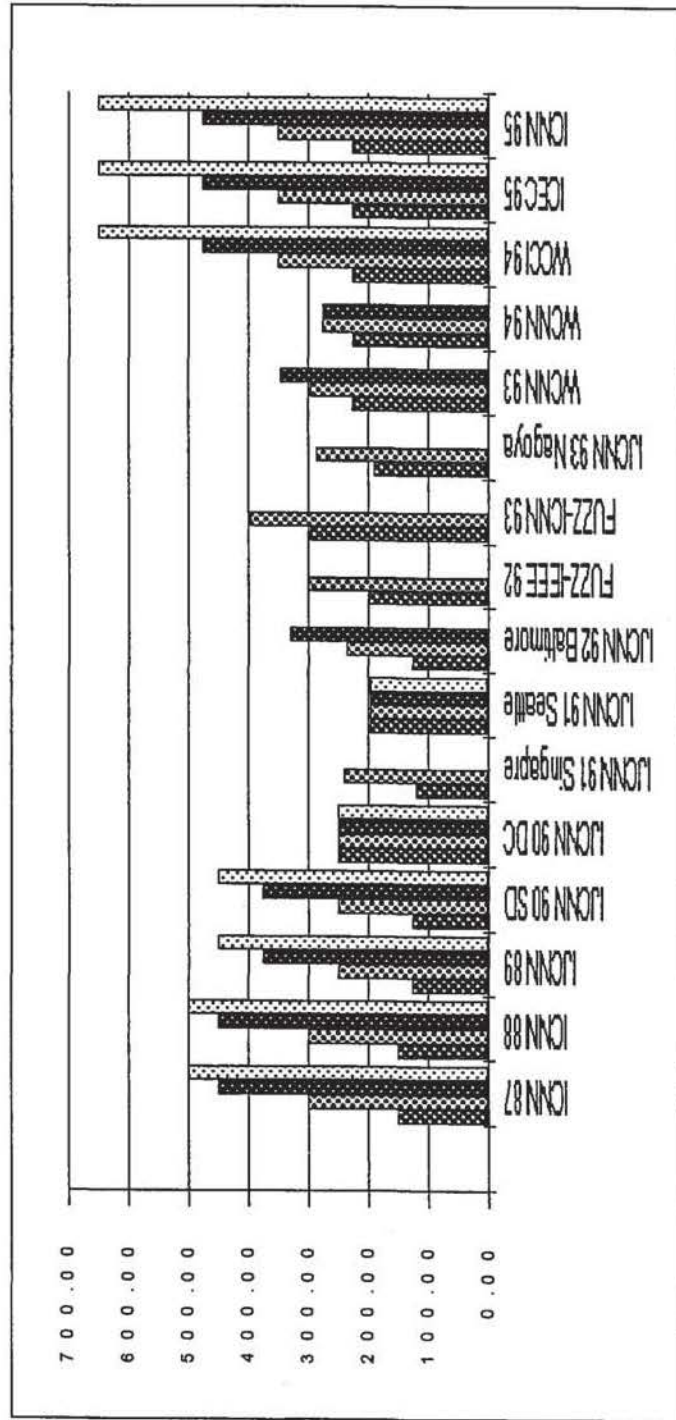
Conference Registration Fees - Student -



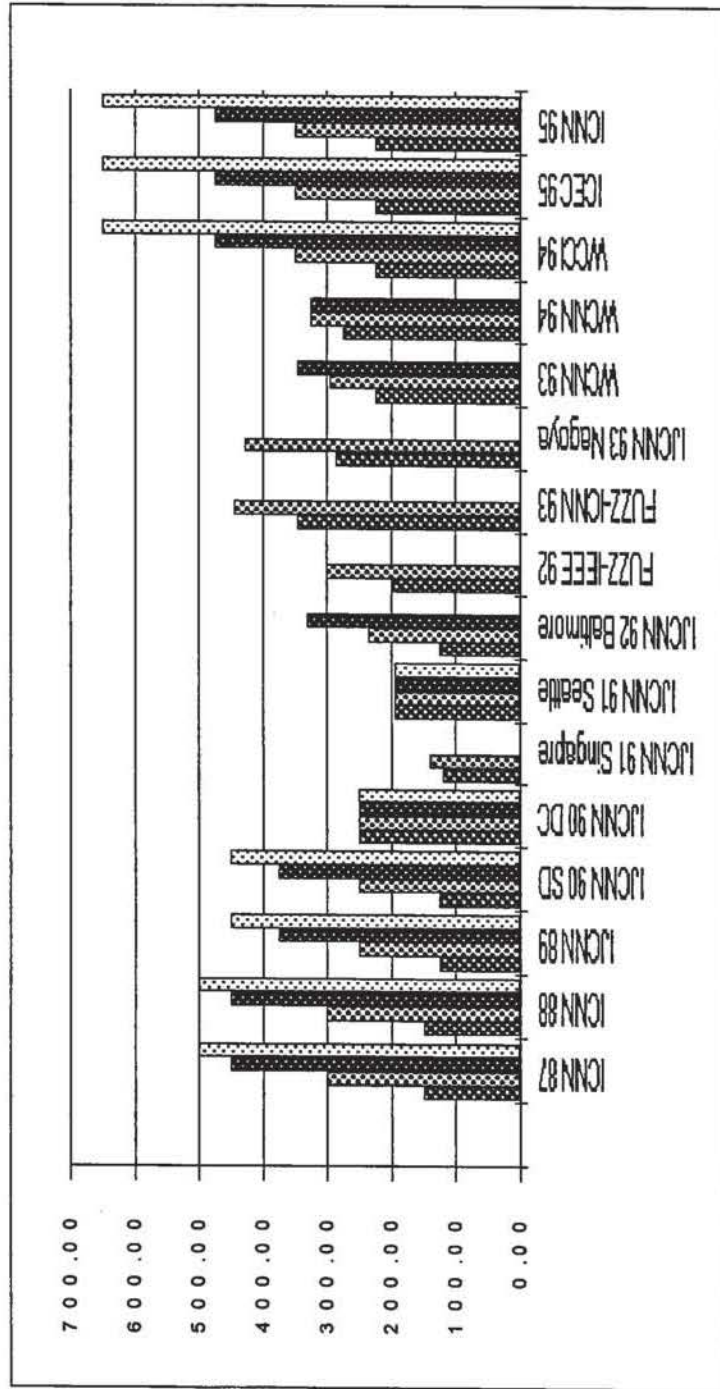
Conference Hotel Rates



Conference Tutorial Fees - Member -



Conference Tutorial Fees - Non Member -



Agenda

- **NNC Conference History**
- **WCCI 94 Analysis**
- **WCCI 98 Proposal**



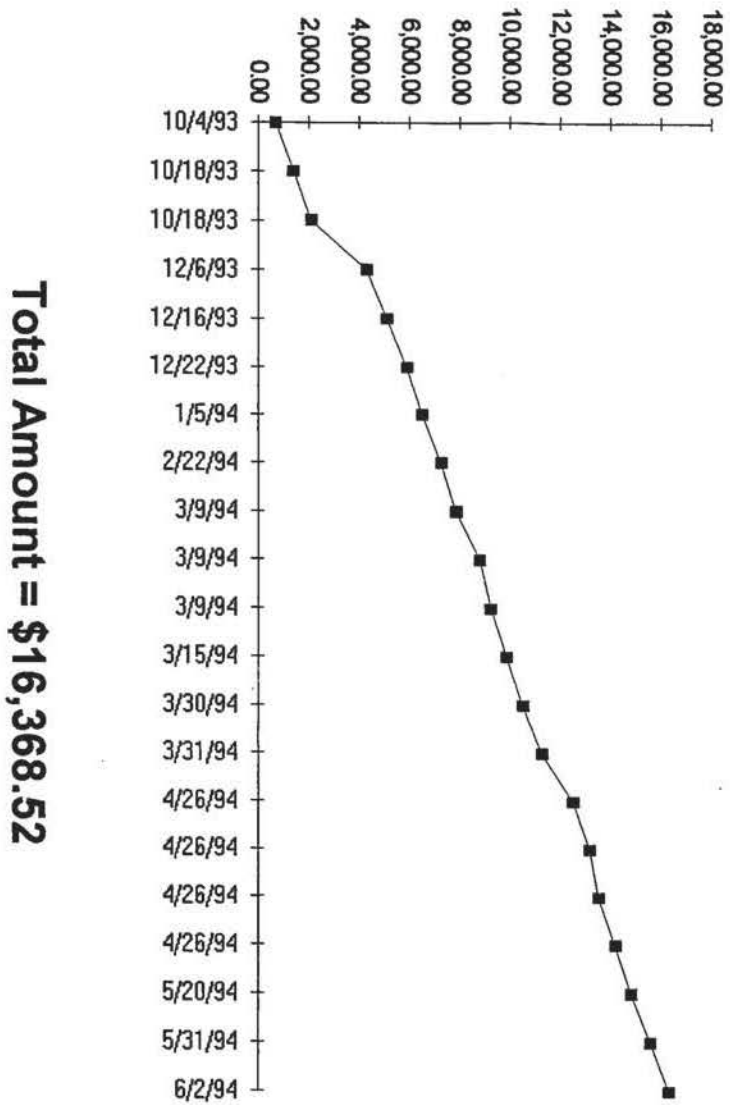
WCCI 94 Analysis

- Cash Flow
- Budget Vs. Actuals
- Lessons Learned

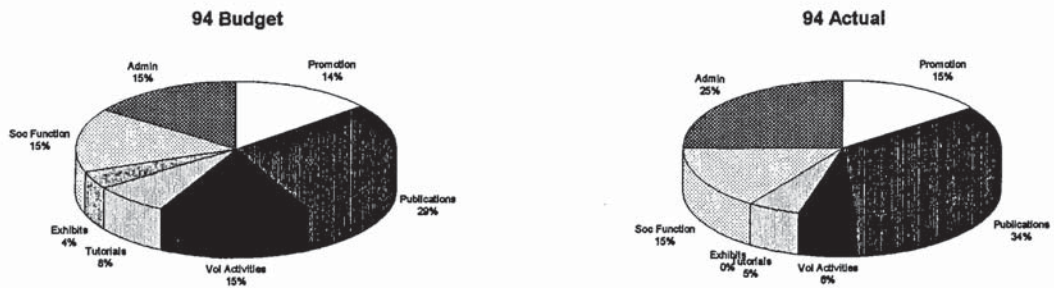
WCCI 94 - Lessons Learned -

- **Organization Came Late (March 1993)**
- **Financially Disappointing**
 - Small surplus
 - Risk-to-reward ratio was high
 - Sum of meetings not greater than the parts
 - Unaccounted funds hurt surplus
- **Too Many Papers Accepted**
- **Large Amount Publicity (Did It Pay Off?)**

Unaccounted Funds - Accumulation -

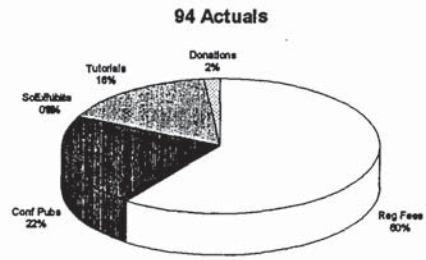
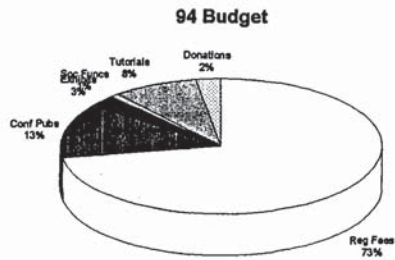


WCCI 94 Expenses - Budget Vs. Actuals -



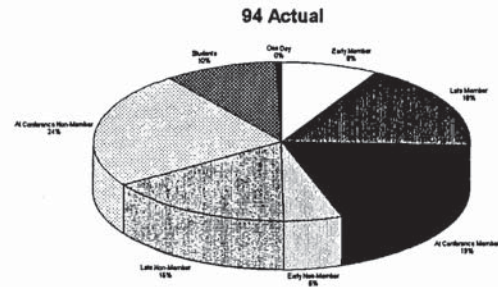
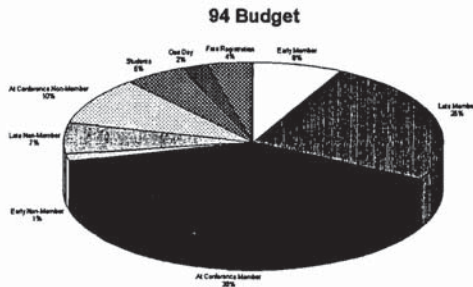
	WCCI 94 94 Budget	WCCI 94 Actual
Promotion	112,200.00	96,129.00
Publications	224,276.00	211,091.00
Vol Activities	122,435.00	36,814.00
Tutorials	59,580.00	32,124.00
Exhibits	32,500.00	1,017.00
Soc Function	119,620.00	95,963.00
Admin	120,620.00	156,685.00
	791,231.00	629,823.00

WCCI 94 Income - Budget Vs. Actuals -



	94 Budget	94 Actuals
Reg Fees	576,845.00	440,225.00
Conf Pubs	105,965.00	162,174.00
Exhibits	21,000.00	0.00
Soc Funcs	7,250.00	1,530.00
Tutorials	67,500.00	118,345.00
Donations	19,800.00	11,000.00
	798,360.00	733,274.00

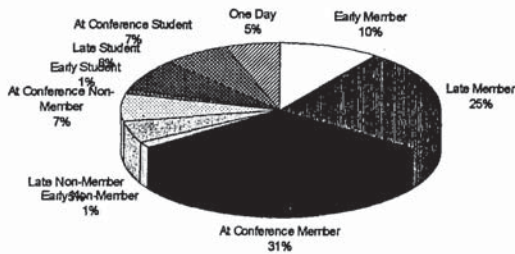
WCCI 94 Registration Funds - Budget Vs. Actual -



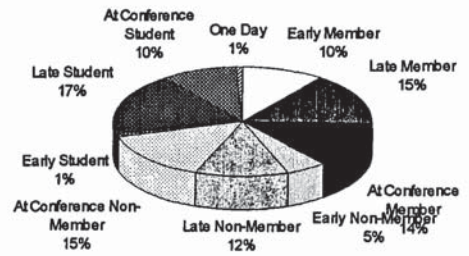
	94 Budget	94 Actual
Early Member	47,000.00	40,250.00
Late Member	157,500.00	83,650.00
At Conference Member	239,700.00	90,100.00
Early Non-Member	7,200.00	24,000.00
Late Non-Member	40,740.00	76,860.00
At Conference Non-Member	59,895.00	114,345.00
Early Student	1,680.00	1,120.00
Late Student	12690	25,200.00
At Conference Student	18,150.00	20,100.00
One Day	15,000.00	1,600.00
Free Registration	-22,710.00	-37,000.00
	576,845.00	440,225.00

WCCI 94 Registration Count - Budget Vs. Actual -

94 Budget



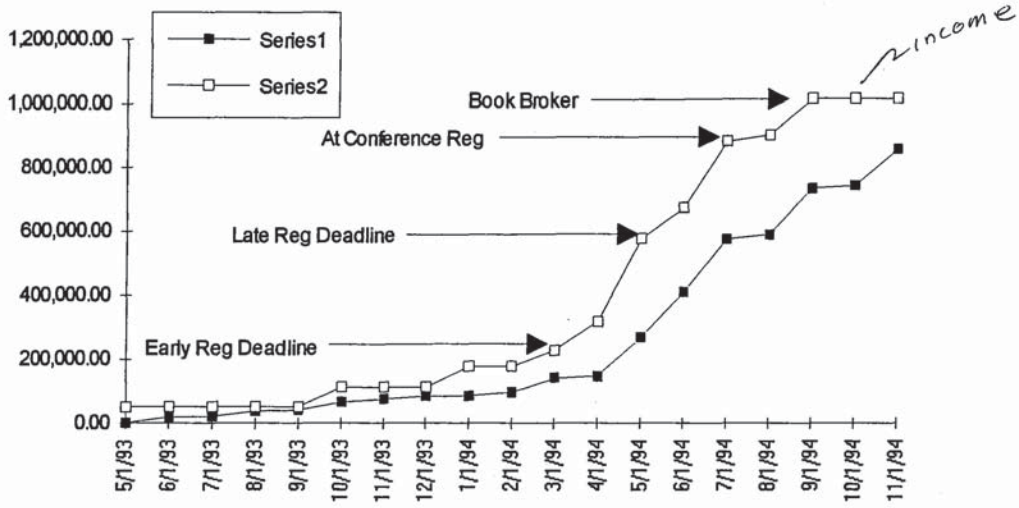
94 Actual



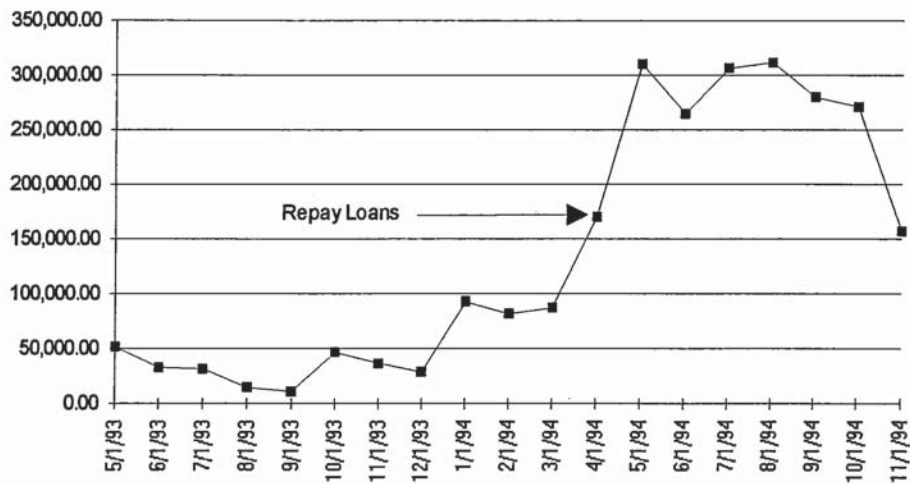
	94 Budget	94 Actual
Early Member	188	161
Late Member	450	239
Conference Member	564	212
Non-Member	24	80
Non-Member	97	183
Non-Member	121	231
Early Student	24	16
Late Student	141	280
Conference Student	121	150
One Day	100	10
	1830	1562

WCCI 94 Cash Flow - Income and Expense -

Series 1 = Income
Series 2 = Expense



WCCI Cash Flow - Income Minus Expense -



Agenda

- **NNC Conference History**
- **WCCI 94 Analysis**
- • **WCCI 98 Proposal**

WCCI 98 Proposal

- **Location and Dates**
- **Guiding Principles**
- **Organization**
- **Schedule**
- **Budget**
- **Summary**

Location & Dates

Anchorage, Alaska
May 7-12, 1998

4-9

Guiding Principles

- 1 of 3 -

- **One General Chair for all meetings**
- **One Finance Chair and One Budget for all meetings**
- **Finances handled by an accountant and overseen by committee**
- **Each Program Chair has four vice-chairs**
- **Structure budget for \$250K Surplus**
- **Provide several hotel options**
- **Keep evenings free for self-organized workshops and sight-seeing**

Guiding Principles

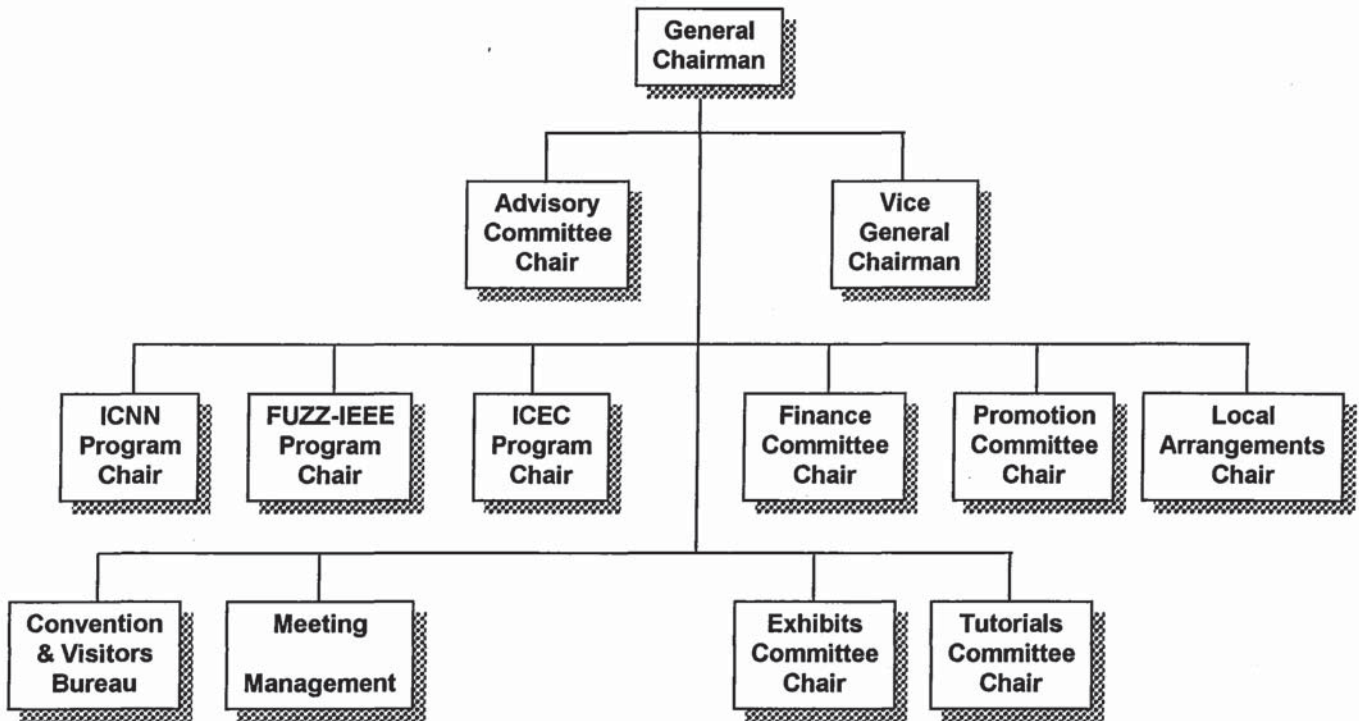
- 2 of 3 -

- **Cooperate with World Automation Conference**
- **Cooperate with Local IEEE Section**
- **Work closely with Local Visitor and Convention Bureau**
- **Attempt to secure travel donations from NSF, ONR, and other agencies**
- **Use prior meetings for advertising**
- **Reduced Seed Money Request**
- **Return Seed Money Sooner**

Guiding Principles - 3 of 3 -

- **Incorporate a theme for plenary talks**
 - What has happened since ICNN 87? FUZZ-IEEE 92?
 - What are the greatest challenges in Fuzzy? NN? EC?
 - Where are the commercial successes in Fuzzy? NN? EC?
- **All Conferences run all five days**
 - Five tracks per session (2 NN, 2 Fuzz, 1 EC)
 - Poster Sessions concurrent with tracks
- **Tutorials three hours long**
 - all material is guaranteed not to be repeated at meeting during open sessions
 - Call for tutorials and committee selection

Organization



Advisory Committee

- **Place for technical dignitaries**
- **Place for political dignitaries**
- **Provides a mechanism for reaching a larger community**

Program Committee

- **Program Chair has full responsibility**
- **Review process will allow for revisions**
- **Two Vice-Chairs will fill out International Representation**
 - **Asia/Pacific Rim**
 - **Europe/North Africa**
 - **North America**
- **Two Vice-Chairs will fill out Corporate History**
 - **Previous Year's Program Chair**
 - **Following Year's Program Chair**
- **Reports Directly to General Chair**

Promotion Committee

- **Promotion Chair coordinates all publicity and promotional activities**
- **Works with Program Chairs on Call for Papers**
- **Works with Meeting Manager on Call for Registration**
- **Executes the Multi-Thrust Promotion Plan (described in the following)**
- **Reports Directly to General Chair**

Promotion Plan

- 1 of 3 -

- **Prior Conference Activities**
 - Preparing List of Related Conferences
 - Trade Booth Space
 - Plenary Addresses
- **Internet**
 - WCCI 98 Home Page
 - Electronic Newsletter
 - Newsgroup Discussions
 - Meeting Announcement Lists

Promotion Plan

- 2 of 3 -

- **Direct Mail**
 - Call For Papers
 - Call For Registration
 - Highly Focused Mailing List
- **Personal Contact**
 - Letters (mail and email)
 - Conferences
- **Press Activities**
 - Press Releases to Key Publications
 - Personal Contact with Knowledgeable Writers
 - Contact Editors of Newsletters/Mags for mention in their columns

Promotion Plan

- 3 of 3 -

- **Mailing Lists**

- IEEE Conferences
 - » IEEE NN and SP Workshop
 - » IEEE Power Engineering Workshop
 - » Existing NN, Fuzzy, and EC Conferences
 - » Others with NN, Fuzzy, EC Tracks
- Related Conferences
 - WCCN - PPSN - ANNIE - IEE - ICGA
 - EP - IFIS - Iizuka - NAFIPS - NIPS
 - EPRI - DOE - SPIE - NASA - WNN
- Related Journals
 - Neural Networks - Neural Computation
 - Network - Fuzzy Sets and Systems
 - IJAR - Evolutionary Computation

Finance Committee

- **Finance Chairs for previous year's meetings and future year's meetings are on committee**
- **NNC VP-Finance is on committee**
- **Oversees budget to ensure proper spending is occurring**
- **Oversees paid accountant for conference**
- **Only three possible signatories**
 - **NNC VP Finance**
 - **WCCI 98 General Chair**
 - **WCCI 98 Finance Chair**

Local Arrangements Committee

- **Works with coordinating entities**
 - 1998 World Automation Conference
 - IEEE Alaska Section
 - Anchorage Visitor and Convention Bureau
- **Responsible for social functions**
- **Responsible for volunteers**
- **Responsible for all travel arrangements for speakers and instructors**
- **Responsible for local hotel coordination between C&VB and Meeting Management**

Exhibits Committee

- **Prepares Call for Exhibits**
- **Prepares Mailing List (already started)**
- **Aggressively pursues exhibitors**
- **Produces Exhibits Program**
- **Coordinates with local C&VB and Meeting Management**

Tutorials Committee

- **Prepares Call for Tutorials**
- **Solicits Instructors for Key Tutorials**
- **Determines Final Tutorials**
- **Prepares Tutorials Description**
- **Promotes Tutorials**
- **Coordinates Presenter Travel with Local Arrangements**

Meeting Management

- **Request for Bids Sent to at least three management groups**
 - Prestige
 - SPIE
 - IEEE
- **Responsibilities will include the following:**
 - Paper Handling (receipt, acknowledge, copyright, revise)
 - Assists with Promotion (Preparation, Mailing Lists)
 - Handles All Registration (Receives funds)
 - Works with Program Chairs to Produce Proceedings
 - Assists Exhibits Committee
 - Assists Tutorials Committee
 - Works with Local C&VB & Local Arrangements on Hotel Arrangements

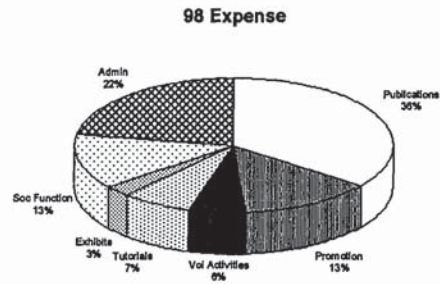
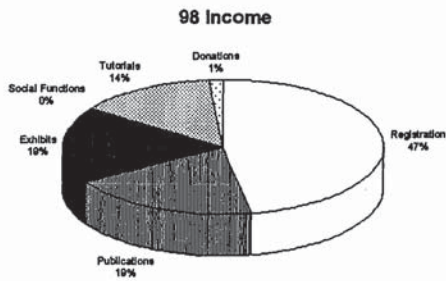
Schedule

	May 7 Monday	May 8 Tuesday	May 9 Wedn'day	May 10 Thursday	May 11 Friday	May 12 Saturday
8 am		Morning Track	Morning Track	Morning Track	Morning Track	Morning Track
9 am						
10 am	Tutorial 1	Plenary	Plenary	Plenary	Plenary	Plenary
11 am						
Noon	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
1 pm		Early Afternoon Track	Early Afternoon Track	Early Afternoon Track	Early Afternoon Track	Early Afternoon Track
2 pm	Tutorial 2					
3 pm		Late Afternoon Track	Late Afternoon Track	Late Afternoon Track	Late Afternoon Track	Late Afternoon Track
4 pm	Tutorial 3					
5 pm						
6 pm						
7 pm	Dinner	Dinner	Dinner	Break	Dinner	Break
8 pm						
9 pm	Opening Mixer			WCCI Banquet		WCCI/WAC Banquet
10 pm						

Budget Process

- **WCCI 94 Budget vs. Actuals (done)**
- **WCCI 98 Preliminary Budget (done)**
- **WCCI 98 Final Budget (TBD)**
 - Meeting Manager
 - Convention Center Costs
 - Bussing
 - Social Events
 - Printing Costs

WCCI 98 Preliminary Budget



	98 Income		98 Expense
Registration	423,329.07	Publications	200,000.00
Publications	158,476.19	Promotion	75,000.00
Exhibits	156,250.00	Vol Activities	25,000.00
Social Functi	1,000.00	Tutorials	35,000.00
Tutorials	117,968.61	Exhibits	35,000.00
Donations	10,000.00	Soc Function	75,000.00
		Admin	120,000.00
	867,023.87		565,000.00

Surplus = \$278,023

Summary

- **Alaska will provide a new level of excitement**
- **Alaska is aggressively pursuing this meeting**
- **WCCI 98 will be well managed from Alaska**
- **WCCI 98 will provide a handsome surplus**
- **Time is on our side, but we need to act now for this to remain true**

WCCI 94 INCOME			
	Budget	Actual	Difference
REGISTRATION FEES			
Early Member	47,000.00	40,250.00	-6,750.00
Late Member	157,500.00	83,650.00	-73,850.00
At Conference Member	239,700.00	90,100.00	-149,600.00
Early Non-Member	7,200.00	24,000.00	16,800.00
Late Non-Member	40,740.00	76,860.00	36,120.00
At Conference Non-Member	59,895.00	114,345.00	54,450.00
Early Student	1,680.00	1,120.00	-560.00
Late Student	12690	25200	12,510.00
At Conference Student	18,150.00	20,100.00	1,950.00
One Day	15,000.00	1,600.00	-13,400.00
Free Reg (Spkrs, ExCom)	-22,710.00	-37,000.00	-14,290.00
Subtotal Reg Fees	576,845.00	440,225.00	-136,620.00
CONFERENCE PUBLICATION SALES			
On-Site Sales	11,055.00	6,070.00	-4,985.00
All-Proceedings Package	0.00	43,550.00	43,550.00
Book Broker	94,910.00	112,554.38	17,644.38
Subtotal Conf Pub Sales	105,965.00	162,174.38	56,209.38
EXHIBITS			
University	4,000.00	0.00	-4,000.00
Publisher	5,000.00	0.00	-5,000.00
Industry	12,000.00	0.00	-12,000.00
Subtotal Exhibits	21,000.00	0.00	-21,000.00
SOCIAL FUNCTIONS			
Subtotal Soc Fns	7,250.00	1,530.00	-5,720.00
TUTORIALS			
Subtotal Tutorials	67,500.00	118,345.00	50,845.00
DONATIONS			
Subtotal Tutorials	19,800.00	11,000.00	-8,800.00
TOTAL INCOME	798,360.00	733,274.38	-65,085.62
WCCI 94 EXPENSES			
	Budget	Actual	Difference
PROMOTION			
Call for Papers	45,000.00	30,392.29	-14,607.71
Call for Participation	32,200.00	42,018.89	9,818.89
Advertisements	20,000.00	23,718.62	3,718.62
Tote Bags	15,000.00	0.00	-15,000.00
Subtotal Promo	112,200.00	96,129.80	-16,070.20
CONFERENCE PUBLICATIONS			

Paper Handling	36,380.00	16,076.39	-20,303.61
Printing	167,746.00	184,218.83	16,472.83
Final Program	20,150.00	10,796.72	-9,353.28
Subtotal Conf Pub	224,276.00	211,091.94	-13,184.06
VOLUNTEER ACTIVITIES			
ExCom Travel	21,500.00	14,063.16	-7,436.84
ExCom Other	25,610.00	4,150.40	-21,459.60
Program Committee	22,115.00	0	-22,115.00
Plenary Speakers	33,000.00	17,414.15	-15,585.85
Third World	13,000.00	0.00	-13,000.00
Volunteers	7,210.00	1,187.00	-6,023.00
Subtotal Vol Act	122,435.00	36,814.71	-85,620.29
TUTORIALS			
Call for Tutorials	0.00	0.00	0.00
Management	3,500.00	0.00	-3,500.00
Speaker Fees	9,000.00	14,000.00	5,000.00
Speaker Travel	36,000.00	9,975.84	-26,024.16
Signage	1,000.00	0.00	-1,000.00
Refreshments	2,880.00	0.00	-2,880.00
Printing	7,200.00	7,652.95	452.95
Postage	0.00	495.52	495.52
Subtotal Exhib	59,580.00	32,124.31	-27,455.69
EXHIBITS			
Call for Exhibits	0.00	0.00	0.00
Management	28,500.00	0.00	-28,500.00
Security	4,000.00	1,017.60	-2,982.40
Tickets	0.00	0.00	0.00
Printing	0.00	0.00	0.00
Subtotal Exhib	32,500.00	1,017.60	-31,482.40
SOCIAL FUNCTIONS			
			0.00
Reception 1	67,360.00	23,990.79	-43,369.21
Reception 2	9,770.00	23,990.79	14,220.79
Reception 3	5,350.00	23,990.79	18,640.79
Coffee Breaks	37,240.00	23,990.79	-13,249.21
Signage & Tickets	0.00	0.00	0.00
Subtotal Soc Fns	119,620.00	95,963.17	-23,656.83
ADMINISTRATION			
Insurance & Bonding	400.00	0.00	-400.00
Management Fee	63,015.00	94,240.32	31,225.32
Onsite Reg Equip	5,950.00	8,862.40	2,912.40
Postage	800.00	4,220.00	3,420.00
Phone	1,100.00	480.33	-619.67
Petty Cash	800.00	1,000.00	200.00
Travel	0.00	2,490.86	2,490.86
Stationary	5,100.00	2,602.43	-2,497.57
Audio/Visual	18,000.00	6,754.24	-11,245.76

Signage & Badges	7,500.00	2,933.03	-4,566.97
Bank Fees	550.00	3,159.32	2,609.32
Credit Card Fees	12,564.00	13,414.15	850.15
Audit	4,823.00	159.48	-4,663.52
Other	0.00	16,368.52	16,368.52
Subtotal Admin	120,602.00	156,685.08	36,083.08
TOTAL EXPENSES	791,213.00	629,826.61	-161,386.39
SURPLUS	7,147.00	103,447.77	96,300.77

IEEE TECHNICAL ACTIVITIES
IEEE CONFERENCE INFORMATION SCHEDULE

See reverse side for instructions on how to complete this form

CONFERENCE

1. Full Title of Conference 1998 World Congress on Computational Intelligence
 2. Dates of Conference May 7-12, 1998
 3. Location of Conference (full name and address) Anchorage, Alaska
 4. Estimated Attendance 1600 5. Exhibits Yes No
 6. Will there be a Conference Publication? Yes No
 If yes, check one: Conference Record Other (explain) _____

7. Identify IEEE entity(s) involved as either Sponsor, Co-Sponsor, Technical Co-Sponsorship or Cooperating and the percentage of involvement. These terms are defined on the reverse side.

	Type of Involvement				Percentage
	S	CS	T	C	
Entity <u>IEEE Neural Networks Council</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% <u>95%</u>
Entity <u>IEEE Alaska Section</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% <u>5%</u>
Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____
Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____

Identify Non-IEEE entity(s) involved and the percentage of involvement:

Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____
Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____

8. Has the section within whose geographical boundaries the Conference is being held been notified? Yes No

If yes, who was contacted? Don Iverson, Past Chairman Alaska Section
Name Section

9. Has an IEEE Conference Insurance Form been submitted? Yes No

ADMINISTRATION

For the following Conference officers, enter first name, middle initial and last name, plus complete address and telephone number.

CONFERENCE CHAIRMAN Patrick K. Simpson
 Address 17436 Ashburton Road, San Diego, CA 92128
 Tel. No. 619/675-7080 Fax No. 619/675-7080 E-Mail xm8@sdcc12.ucsd.edu

INFORMATION CONTACT Patrick K. Simpson
 Address 17436 Ashburton Road, San Diego, CA 92128
 Tel. No. 619/675-7080 Fax No. 619/675-7080 E-Mail xm8@sdcc12.ucsd.edu

COMMITTEE MEMBERS

If available, please attach to this form a complete list of Conference Committee members, their titles, addresses, and telephone numbers. (As of 3/10/95, these have not been confirmed)

SUBMITTED BY: Patrick K. Simpson
 Address 17436 Ashburton Road, San Diego, CA 92128
 Tel. No. 619/675-7080 Fax No. 619/675-7080 E-Mail xm8@sdcc12.ucsd.edu
 Conference Position General Chairman

SIGNATURE  Date March 10, 1995

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IEEE TECHNICAL ACTIVITIES

SUMMARY FINANCIAL REPORT FOR IEEE SPONSORED OR COSPONSORED CONFERENCES
See reverse side for instructions on how to complete this form

CONFERENCE

1. Full title of Conference 1998 World Congress on Computational Intelligence
2. Dates of Conference May 7-12, 1995
3. Location of Conference (full name and address) Anchorage, Alaska
Anchorage Convention Center (Eagan Center)

TYPE OF REPORT / CURRENCY USED

4. Indicate type of report by checking one box:
 Budget Interim Report Final Report
5. All income and expense figures below must in U.S. Dollars. For Conferences held outside the U.S.A., indicate here the local currency (e.g., Swiss Francs) and the conversion rate used (local currency units per 1 U.S. Dollar) and date.
Local currency: U.S. Dollars Conversion rate: _____ Date of Conversion rate: _____

INCOME

	Budget	Interim Report	Final Report
6. Registration Fees	\$ 398,339	\$ _____	\$ _____
7. Conference Publication Sales	<u>158,500</u>	_____	_____
8. Exhibits	<u>156,250</u>	_____	_____
9. Social Functions	<u>1,000</u>	_____	_____
10. All Other Conference Receipts	<u>127,968</u>	_____	_____
11. Total Conference Income	<u>867,023</u>	_____	_____
12. Conference Loans	<u>50,000</u>	_____	_____
13. Total Receipts	\$ <u>917,023</u>	\$ _____	\$ _____

EXPENSE

	Budget	Interim Report	Final Report
14. Promotion	\$ 90,000	\$ _____	\$ _____
15. Conference Publications	<u>185,000</u>	_____	_____
16. Exhibits	<u>15,000</u>	_____	_____
17. Social Functions	<u>75,000</u>	_____	_____
18. Administration	<u>125,000</u>	_____	_____
19. All Other Conference Expenses	<u>74,000</u>	_____	_____
20. Total Conference Expense	<u>564,000</u>	_____	_____
21. Loan Repayments	<u>50,000</u>	_____	_____
22. Total Outlays	\$ <u>614,000</u>	\$ _____	\$ _____

SURPLUS / (LOSS)

23. Total Receipts (13) \$ 917,023 24. Total Outlays (22) \$ 614,000
25. Surplus (Loss)-(Item 23 less Item 24) \$ 278,023

POST CONFERENCE DISTRIBUTION

Surplus (Loss) in Item 25 to be distributed as follows:

Cosponsor Entity	% Share	\$ Distributed
a. <u>IEEE Neural Networks Council</u>	<u>95%</u>	<u>264,122</u>
b. <u>IEEE Alaska Section</u>	<u>5%</u>	<u>13,901</u>
c. _____	_____	_____
d. _____	_____	_____
Surplus (Loss)		\$ <u>278,023</u>

CONFERENCE FINANCIAL INSTITUTION

Name of Bank Union Bank, Rancho Bernardo CA
Address _____
Conference Account Title 1998 World Congress on Computational... Account No. TBD
Have you requested IEEE Conference Insurance? Yes No

SUBMITTED BY:

Name Patrick K. Simpson Tel.No. () 619/675-7080
Address 17436 Ashburton Road, San Diego CA 92128
Conference Position General Chairman

CONFERENCE SIGNATURE [Signature] SOCIETY SIGNATURE _____ Date 3/10/95



IEEE TECHNICAL ACTIVITIES
 IEEE CONFERENCE DETAILED FINANCIAL REPORT - PART I: INCOME

This form should be completed only for IEEE sponsored or cosponsored Conferences. The care taken in filling out this report will lead to a more accurate projection of your Conference's net surplus or loss.

NOTE: All income items may be expressed in either U.S. Dollars or in local currency.

Full title of Conference 1998 World Congress on Computational Intelligence
 Dates of Conference May 7-12, 1995

INCOME

REGISTRATION FEES	Quantity	Fee	Budget	Interim Report	Final Report
In Advance-Members	(SEE ATTACHED)		= \$ _____	\$ _____	\$ _____
In Advance-Nonmembers	x		= _____	_____	_____
In Advance-Reduced Rate	x		= _____	_____	_____
At Conference-Members	x		= _____	_____	_____
At Conference-Nonmembers	x		= _____	_____	_____
At Conference-Reduced Rate	x		= _____	_____	_____
Total Registrants	<u>1600</u>	Total	\$ 398,339	\$ _____	\$ _____

CONFERENCE PUBLICATION SALES	Quantity	Fee	Budget	Interim Report	Final Report
To Members	215	x 100	= \$ 21,500	\$ _____	\$ _____
To Nonmembers	200	x 100	= 20,000	_____	_____
To IEEE Hq.	1950	x 60	= 117,000	_____	_____
Total Copies	<u>2365</u>	Total	\$ 158,500	\$ _____	\$ _____

EXHIBITS	Quantity	Fee	Budget	Interim Report	Final Report
Tables	15	x 1250	= \$ 18,750	\$ _____	\$ _____
Booths	15	x 2500	= 37,500	_____	_____
Booths	20	x 5000	= 100,000	_____	_____
		x	= _____	_____	_____
Total		Total	\$ 156,250	\$ _____	\$ _____

SOCIAL FUNCTIONS	Total	Budget	Interim Report	Final Report
(Itemize by event on separate sheets.)	Total	\$ 1,000	\$ _____	\$ _____

ALL OTHER (List here or attach details.)	Budget	Interim Report	Final Report
Tutorials	\$ 117,968	\$ _____	\$ _____
Donations	10,000	_____	_____
Total	\$ 127,968	\$ _____	\$ _____
TOTAL INCOME	\$ 867,023	\$ _____	\$ _____

NOTE: BE SURE TO COMPLETE AND RETURN ALL FINANCIAL FORMS TOGETHER ("SUMMARY REPORT", "PART I: INCOME", "PART II: EXPENSE" AND "SOCIAL FUNCTIONS").

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IEEE TECHNICAL ACTIVITIES
 IEEE CONFERENCE DETAILED FINANCIAL REPORT - PART II: EXPENSE

This form should be completed only for IEEE sponsored or cosponsored Conferences. The care taken in filling out this report will lead to a more accurate projection of your Conference's net surplus or loss.

NOTE: All expense items may be expressed in either U.S. Dollars or in local currency.

Full title of Conference 1998 World Congress on Computational Intelligence
 Dates of Conference May 7-12, 1995

	Budget	Interim Report	Final Report
PROMOTION			
Printing/Call for Papers	\$ 30,000	\$ _____	\$ _____
Printing/Advance Program	30,000	_____	_____
Printing/Final Program	15,000	_____	_____
Mailing Lists/Labels	_____	_____	_____
Postage	_____	_____	_____
Other <u>Adverts & Giveaways</u>	15,000	_____	_____
Total	\$ <u>90,000</u>	\$ _____	\$ _____
CONFERENCE PUBLICATION			
Conference Record/Digest Printing	\$ 165,000	\$ _____	\$ _____
Author Kits Printing	20,000	_____	_____
Shipping to Site and IEEE Hq.	_____	_____	_____
Total	\$ <u>185,000</u>	\$ _____	\$ _____
EXHIBITS (Attach detailed statement of all expenses necessary to mount and display exhibits.)			
Total	\$ <u>15,000</u>	\$ _____	\$ _____
SOCIAL FUNCTIONS (Itemize event on separate sheets.)			
Total	\$ <u>75,000</u>	\$ _____	\$ _____
ADMINISTRATION			
Insurance & Bonding	\$ 500	\$ _____	\$ _____
Security & Guard Service	0	_____	_____
Projection Equip. Rent & Operator	10,000	_____	_____
Management, Secretarial Services	75,000	_____	_____
Office Equip. Rental	7,500	_____	_____
Printing forms, Tickets, Stationery, Etc.	2,500	_____	_____
Posters, Signs, Badges, Etc.	3,000	_____	_____
Telephone	6,000	_____	_____
Transportation	1,500	_____	_____
Gratuities, Etc. (Attach Details) (see attached)	19,000	_____	_____
Total	\$ <u>125,000</u>	\$ _____	\$ _____
ALL OTHER			
Committee Expenses	\$ 32,500	\$ _____	\$ _____
Other (Attach Details) (Tutorials)	41,500	_____	_____
Total	\$ <u>74,000</u>	\$ _____	\$ _____
TOTAL EXPENSES	\$ <u>564,000</u>	\$ _____	\$ _____

CURRENCY

State here the currency utilized in above computations, e.g., U.S. Dollars, Swiss Francs, etc.

Currency utilized: U.S. Dollars

In the event a currency other than the U.S. Dollar is utilized, it will be necessary to convert to U.S. Dollars - at the current conversion rate - when submitting your final Summary Financial Report to IEEE.

SUBMITTED BY:

Name Patrick K. Simpson Tel. No. 619 675-7080
 Address 17436 Ashburton Road, San Diego CA 92128
 Conference Position General Chairman

SIGNATURE

Date 3/10/95

NOTE: BE SURE TO COMPLETE AND RETURN ALL FINANCIAL FORMS TOGETHER ("SUMMARY REPORT", "PART I: INCOME", "PART II: EXPENSE" AND "SOCIAL FUNCTIONS").

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SOCIAL FUNCTIONS

1) Coffee, pastries, etc., between sessions No. Breaks <u>5</u> X No. people <u>1600</u> X \$/person <u>1.25</u>	\$ <u>10,000</u>	\$ _____
(2) Luncheons No. Luncheons <u>0</u> X No. people _____ X \$/person _____	\$ _____ 0	\$ _____
(3) Receptions No. Receptions <u>1</u> X No. people _____ X \$/person <u>6.25</u>	\$ <u>10,000</u>	\$ _____
(4) Banquets (No. People = 1600 + 1140) No. Banquets <u>2</u> X No. people X \$/person <u>20.00</u>	\$ <u>55,000</u>	\$ _____
(5) Speakers Hospitality No. people X \$/person _____.....	\$ _____ 0	\$ _____
(6) Transportation (courtesy bus, etc.).....	\$ _____ 0	\$ _____
Companies providing chartered bus services must submit proof of a current and valid certificate of insurance during the dates of the event with coverage of at least 1 million dollars. A copy of this certificate should be submitted with the IEEE Conference Insurance form. IEEE Insurance coverage does not cover boat or air transportation.		
(7) Other social functions expenses (specific).....	\$ _____ 0	\$ _____
<hr/> <hr/> <hr/>		
TOTAL SOCIAL FUNCTION EXPENSES	\$ <u>75,000</u>	\$ _____
SOCIAL COST PER ATTENDEE	\$ <u>46.88</u>	\$ _____

NOTE: BE SURE TO COMPLETE AND RETURN ALL FINANCIAL FORMS TOGETHER ("PART I: INCOME", "PART II: EXPENSE", "SOCIAL FUNCTIONS" AND "SUMMARY REPORT").

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WCCI 98 PRELIMINARY BUDG		
INCOME	98	94
	Budget	Actual
REGISTRATION FEES		
Early Member	40,404.61	40,250.00
Late Member	70,996.16	83,650.00
At Conference Member	77,090.91	90,100.00
Early Non-Member	24,993.60	24,000.00
Late Non-Member	66,545.45	76,860.00
At Conference Non-Member	100,563.38	114,345.00
Early Student	1,147.25	1,120.00
Late Student	24,379.00	25,200.00
At Conference Student	16,133.16	20,100.00
One Day Registration	1,075.54	1,600.00
Free Reg (Spkr, Vol. ExCom)	-25,000.00	-37,000.00
Subtotal Reg Fees	398,329.07	475,625.00
CONFERENCE PUBLICATION SALES		
On-Site Sales	5,000.00	6,070.00
All-Proceedings Package	36,476.19	43,550.00
Book Broker	117,000.00	112,554.38
Subtotal Conf Pub Sales	158,476.19	162,174.38
EXHIBITS		
University	18,750.00	
Publisher	37,500.00	
Industry	100,000.00	
Subtotal Exhibits	156,250.00	0.00
SOCIAL FUNCTIONS		
Subtotal Soc Fns	1,000.00	1,530.00
TUTORIALS		
1 Tutorial NM	10,363.56	
2 Tutorial NM	23,931.31	
3 Tutorial NM	28,809.12	
1 Tutorial M	5,149.59	
2 Tutorial M	18,323.97	
3 Tutorial M	31,391.07	
Subtotal Tutorials	117,968.61	118,345.00
DONATIONS		
Subtotal Tutorials	10,000.00	11,000.00
TOTAL INCOME	842,023.87	768,674.38

EXPENSES		
	Budget	Actual
PROMOTION		
Call for Papers	30,000.00	30,392.29
Call for Participation	30,000.00	42,018.89
Advertisements	10,000.00	23,718.62
Tote Bags	5,000.00	0.00
Subtotal Promo	75,000.00	96,129.80
CONFERENCE PUBLICATIONS		
Paper Handling	20,000.00	16,076.39
Printing & Shipping	165,000.00	184,218.83
Final Program	15,000.00	10,796.72
Subtotal Conf Pub	200,000.00	211,091.94
VOLUNTEER ACTIVITIES		
ExCom Travel	10,000.00	14,063.16
ExCom Other	1,500.00	4,150.40
Program Committees	4,500.00	
Plenary Speakers	15,000.00	17,414.15
Third World	0.00	
Volunteers	1,500.00	1,187.00
Subtotal Vol Act	32,500.00	36,814.71
TUTORIALS		
Speaker Fees	7,500.00	14,000.00
Speaker Travel	22,500.00	9,975.84
Signage	1,000.00	
Refreshments	2,500.00	
Printing	7,500.00	7,652.95
Postage	500.00	495.52
Subtotal Exhib	41,500.00	32,124.31
EXHIBITS		
Security	1,500.00	1,017.60
Signage & Tickets	1,500.00	
Printing	3,000.00	
Mailing & Printing	9,000.00	
Subtotal Exhib	15,000.00	1,017.60
SOCIAL FUNCTIONS		
Reception 1	10,000.00	
Reception 2	25,000.00	
Reception 3	30,000.00	
Coffe Breaks	10,000.00	
Subtotal Soc Fns	75,000.00	95,963.17
ADMINISTRATION		
Insurance & Bonding	500.00	0.00
Management Fee	75,000.00	94,240.32

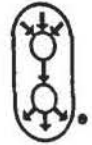
Onsite Reg Equip	7,500.00	8,862.40
Postage	5,000.00	4,220.00
Phone	1,000.00	480.33
Petty Cash	500.00	1,000.00
Mgt Travel	1,500.00	2,490.86
Stationary	2,500.00	2,602.43
Audio/Visual	10,000.00	6,754.24
Signage & Badges	3,000.00	2,933.03
Bank Fees	500.00	3,159.32
Credit Card Fees	15,000.00	13,414.15
Audit	2,500.00	159.48
Other	500.00	16,368.52
Subtotal Admin	125,000.00	156,685.08
TOTAL EXPENSES	564,000.00	629,826.61
SURPLUS	278,023.87	138,847.77

WCCI 98 BUDGET BREAKDOWN				
Registration				
Tot No.	1,600.00			
	Fee	Pctg	Count	Amount
Early Member	245.00	0.10	165	40,404.61
Late Member	290.00	0.15	245	70,996.16
At Conference Member	355.00	0.14	217	77,090.91
Early Non-Member	305.00	0.05	82	24,993.60
Late Non-Member	355.00	0.12	187	66,545.45
At Conference Non-Member	425.00	0.15	237	100,563.38
Early Student	70.00	0.01	16	1,147.25
Late Student	85.00	0.18	287	24,379.00
At Conference Student	105.00	0.10	154	16,133.16
One Day	105.00	0.01	10	1,075.54
Free Registrations	245.00		102	-24,990.00
			1702	398,339.07
Exhibits				
	Fee		Count	Amount
University	1,250.00		15	18,750.00
Publisher	2,500.00		15	37,500.00
Industry	5,000.00		20	100,000.00
			50	156,250.00
Publications				
	Fee	Pctg	Count	
Students		0.29	457	
Members		0.39	627	
Non-Members		0.32	506	
On-Site	100.00	0.26	415	41,476.19
IEEE HQ	60.00		1950	117,000.00
Free Registration Procs	100		102	
			3955	158,476.19
Social Functions				
	Fee		Count	Amount
	40.00		25	1,000.00
Tutorials				
Tot No.	316		Pct Attend	0.197740113
	Fee	Pctg	Count	Amount
1 Tutorial NM	225.00	0.15	46	10,363.56
2 Tutorial NM	350.00	0.22	68	23,931.31
3 Tutorial NM	475.00	0.19	61	28,809.12
1 Tutorial M	225.00	0.07	23	5,149.59
2 Tutorial M	350.00	0.17	52	18,323.97
3 Tutorial M	475.00	0.21	66	31,391.07
			316	117,968.61

Income				
		Amount		
Registration		398,339.07		
Publications		158,476.19		
Exhibits		156,250.00		
Social Functions		1,000.00		
Tutorials		117,968.61		
Donations		10,000.00		
Total Income		842,033.87		
Expenses				
		Amount		
Publications		200,000.00		
Promotion		75,000.00		
Vol Activities		25,000.00		
Tutorials		35,000.00		
Exhibits		35,000.00		
Soc Function		75,000.00		
Admin		120,000.00		
		565,000.00		
Income		842,033.87		
Expenses		565,000.00		
Surplus		277,033.87		
	98 Income			98 Expense
Registration	423,329.07		Publications	200,000.00
Publications	158,476.19		Promotion	75,000.00
Exhibits	156,250.00		Vol Activities	25,000.00
Social Functions	1,000.00		Tutorials	35,000.00
Tutorials	117,968.61		Exhibits	35,000.00
Donations	10,000.00		Soc Function	75,000.00
			Admin	120,000.00
	867,023.87			565,000.00



NEURAL NETWORKS COUNCIL



Walter J. Karplus
President

PLEASE REPLY TO:
3732 Boelter Hall, UCLA
Los Angeles, CA 90095-1596 USA
Tel: (310) 825-2929
Fax: (310) 825-2273
E-mail: karplus@cs.ucla.edu

May 15, 1995

Dear NNC AdCom Members:

Our AdCom meeting will take place at the Washington Hilton Hotel, 1919 Connecticut Ave. NW, Washington, DC on June 22, 1995 starting at 10:00am.

The following provides some insight into the agenda of the meeting and the read-ahead materials accompanying this letter.

Agenda: I will also try to address the most important item -- the motion to transform NNC into the IEEE Computational Intelligence Society (CIS) during the morning, so that as many Presidents of the NNC member societies as possible can participate in that part of the meeting. To this end, the motion of the Executive Committee to that effect will be introduced as part of the Executive Vice President's report. Likewise the budget for 1996 will be part of the Treasurer's report. The other major item -- the election of three officers will take place immediately after the completion of the officers' reports. Oral reports by the chairs of NNC committees will be as concise as possible, and some may be dispensed with if written reports become available.

-2-

Motion by Executive Committee: At its March, 1995 meeting, the Adcom directed me to initiate steps to effect a transition of NNC into a new society effective January 1, 1996. Accordingly, I have arranged to place before TAB the motions drafted by the Executive Committee and included in the attachments. Since there are likely to be two major topics of discussion at TAB (ie the formation of the new society and the name of the new society), these two issues have been presented as separate, linked motions. These motions will be discussed and voted upon at our meeting.

It is my understanding that TAB will vote only on the basic motions, and that details involving constitutional and budget issue will then be handled by TAB committees. A number of members of our Adcom have requested information about the governance of the new society, especially how the transition will be effected, and its finances before voting on the motions. Accordingly, I asked a committee, chaired by Cliff Lau, to draft the constitution and bylaws of the new society, and these drafts constitute the last two items in the attachments. I have also asked Piero Bonissone to draft a budget for the new society, and this draft is included in the attachments. It is my intention to request approval of the budget at our meeting.

Budget: At its March, 1995 meeting AdCom endorsed a proposal to split our Transactions on Neural Networks into two parts. This proposal is now working its way through the TAB and IEEE hierarchy. Our Publications Committee predicts a substantial favorable financial impact of the proposed split. To play it safe, I asked Piero Bonissone to present budgets for 1996 assuming that the split is approved and assuming that the split is not approved, and assuming that our effort to form the new society (CIS) are or are not successful. As a result of our uncertainties, you will find in the attachments four budgets for 1996:

Budget for 1996 assuming that CIS is approved and the TNN split is approved
Budget for 1996 assuming that CIS is approved and the TNN split is not approved
Budget for 1996 assuming that CIS is not approved and the TNN split is approved
Budget for 1996 assuming that CIS is not approved and the TNN split is not approved

All of these budgets project a substantial surplus for 1996.

-3-

Nominations and Appointments Committee Report: The committee headed by Pat Simpson has prepared the slate of candidates presented in the accompanying document. There are three elected positions to be filled.

Meetings Committee Report: This report prepared by Vice President - Meetings Jim Bezdek is attached.

Fuzzy Systems Committee Report: This report prepared by Chair Hamid Berenji is attached.

Constitution and Bylaws: The draft constitution and bylaws of the new society, CIS, prepared by Cliff Lau's committee are attached. These have been closely patterned on the governance documents of the Circuits & Systems Society. They have been modified so as to split the post of Administrative VP into Vice President of Finance and a non-voting Secretary, and to provide for a smooth transition from a Council to a Society.

Please bring all attachments with you to Washington, and please be in a good and constructive mood when you arrive.

Sincerely,



Walter J. Karplus, President
Neural Networks Council

ATTACHMENTS

1. Agenda
2. Minutes of March, 1995 meeting
3. Motion by Executive Committee
4. Budget
5. Nominations Committee Report
6. Meetings Committee Report
7. Fuzzy Systems Committee Report
8. Constitution
9. Bylaws

Meeting of the Neural Networks AdCom

1pm March 12, 1995.

MINUTES

The meeting was called to order by Karplus at 1:10pm.

Attending: (* indicates voting. ** indicates voting and a proxy)

*Peiro Bonissone VP Finances
*Jim Bezdek VP Meetings
Hamid Berenji TC on Fuzzy system
*Richard Saeks SMC
**Wojtelc Prztula Signal Processing
*Lyle Ungar Control Sys
*Mary Lou Padgett Standards Committee
*Anthi Koivo R&A Society
Tzyh-Jong Tarn Division X director
*Jennie Si Circuits and Sys s
*Litsa Tzanakou Industrial Electronics
Ruey-wen Liu EAS Society
**Laurel Kaleda Computer Society
Patrick K. Simpson Past President
*Karen Haines OES
*Robert J. Marks LEOS
*Jacek M. Zurada CAS, TCNN
*James M. Glynn OES
*Don Brown SMC
Mo-Yuen Chow RIGS chair
*Gary Yen R&A
*Toshio Fukuda IE
*Kesh Bakhru Communications Society
*Stamatios V. Kartalopoulos VP pubs
*Anthony Ephremides Communications Society
*Clifford Lau, Exec VP
*Walter J. Karplus Pres
Wesley Snyder Secretary

The agenda was distributed. Simpson moved that the items 6D and 6E and items 8B and 8C be inserted before item 5, in that order. Passed.

Snyder was requested to locate the attachments to minutes of the previous (July) AdCom meeting and to distribute them to Tzanakou, and Kaleda.

The Consent agenda was adopted.

Bezdek made one motion from committee with four components:

- A) Moved, regarding WCCI, May 4-9 1998 (96% NNC, 5% local IEEE)
 - 1) Appoint Pat Simpson as General Chair
 - 2) Approve Anchorage, Alaska as conference site
- B) Moved, regarding 1997 Fuzz-IEEE, Barcelona, Spain (100% NNC)
 - 1) Appoint Ramon de la Mantaras as General Chair
 - 2) Approve Barcelona, Spain as site
- C) Moved, 1996 ICEC Nagoya, Japan, May 20-22, 1996 (60% NNC, 40% SICE)
 - 1) Appoint Toshio Fukuda as General Chair
 - 2) Approve Nagoya JP as conference site.
- D) Moved, 1996 VRAIS, San Francisco, April 1996 (50% NNC, 50% CS)
 - 1) Approve Steve Bryson as General Chair
 - 2) Approve San Francisco as conference site

Kartalopoulos moved approval of the above motion; Glynn seconded. Passed.

(2:22) Karplus made a presentation regarding future of the Council.

The chair declared the meeting of the AdCom to be in recess at 2:26

AdCom Resumed meeting at 4:25.

Marks made the following motion:

"The president of the NNC is directed to initiate the tasks necessary to effect the transition of NNC to become the Computational Intelligence Society on as early a date as possible." Seconded by Glynn.

Karplus indicated that his interpretation of this motion is a directive to put together a package for presentation at the next AdCom, not a directive to become a society.

The question was called, after considerable debate. 14 for 7 against. Passed.

Prztula made the following motion:

"The AdCom authorizes president of the NNC Karplus to continue discussions with interested societies of mergers of them and NNC". Passed.

Report by the Editor of the TNN:

NNC 1995 BUDGET

BUDGET ITEM	Income	Expenses	Balance	Loan Repayment	Loan Made	Loan Balance
TNN	432.00	426.80	5.20			
TFS	202.50	124.00	78.50			
Newsletter	0.00	0.00	0.00			
Subtot. Trans & News	634.50	550.80	83.70			
Meeting/Conferences						
FUZZ-IEEE93	0.00	0.00	0.00			
ICNN93	0.00	0.00	0.00			
VRAIS 93	34.00	0.00	34.00			
ICNN94	0.00	0.00	0.00			
WCCI 94	20.00	0.00	20.00			
ICEC 94	0.00	0.00	0.00			
FUZZ 94	0.00	0.00	0.00			
VR/Disab	0.00	0.00	0.00			
ICNN 95	0.00	0.00	0.00			
ICEC 95	0.00	0.00	0.00			
FUZZ 95	0.00	0.00	0.00			
CIFER 95	10.00	0.00	10.00	20.00		
VRAIS 95	0.00	0.00	0.00	22.60		
ICNN 96	0.00	0.00	0.00		40.00	
FUZZ 96	0.00	0.00	0.00		20.00	
Seed money for future conf.	0.00	0.00	0.00		25.00	
Subtot. Conf. & Meet.	64.00	0.00	64.00	42.60	85.00	(42.40)
Interst Income	6.00	0.00	6.00			
IEEE Admin	0.00	45.00	(45.00)			
President	0.00	10.00	(10.00)			
Adcom	0.00	14.00	(14.00)			
ExCom	0.00	5.00	(5.00)			
Mergers [Adcom+ project]	0.00	0.00	0.00			
Standards	0.00	5.00	(5.00)			
Awards	0.00	5.00	(5.00)			
RIG Committee	0.00	2.50	(2.50)			
Education	0.00	1.00	(1.00)			
Products (non-periodical)	20.00	5.00	15.00			
Rounding/Others	0.00	2.00	(2.00)			
Misc	0.00	3.00	(3.00)			
Subtot. Others	26.00	97.50	(71.50)	0.00	0.00	0.00
Subtot. Trans & News	634.50	550.80	83.70	0.00	0.00	0.00
Subtot. Conf. & Meet.	64.00	0.00	64.00	42.60	85.00	(42.40)
Subtot. Others	26.00	97.50	(71.50)	0.00	0.00	0.00
TOTAL	724.50	648.30	76.20	42.60	85.00	(42.40)

Revision Date:	3/11/95	Prepared by: Piero Bonissone
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Institute of Electrical and Electronics Engineers

COMPUTATIONAL INTELLIGENCE SOCIETY

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COMPUTATIONAL INTELLIGENCE SOCIETY

CONSTITUTION

ARTICLE I - Name and purposes

Section 1. The name of the organization constituted herein shall be the Computational Intelligence Society (CIS) of the Institute of Electrical and Electronics Engineers, Inc. (IEEE).

Section 2. The purposes of the Society are scientific, literary and educational in character, directed toward the advancement of the theory and practice of computational intelligence and allied branches of engineering or the related arts and science, in order to increase the professional standing of the Members and Affiliates. All such goals must be in consonance with the Constitution, Bylaws, and Statements of Policy of the IEEE, and with special attention to such aims within the Field of Interest of the Society as are herein after defined.

Section 3. The Society shall aid in promoting close cooperation and exchange of technical information among its Members and Affiliates, and as means to these ends shall hold public meetings for the reading and discussion of periodical and special works of literature, science and art pertaining thereto, the initiation and development of engineering standards, and any other activities necessary, suitable and proper for the fulfillment of these objectives. Through its Committees the Society shall study and provide for the needs of its Members and Affiliates.

ARTICLE II - Field of Interest

Section 1. The Field of Interest of the Society shall be the theory, design, application, and development of biologically and linguistically motivated computational paradigms emphasizing neural networks, connectionist systems, genetic algorithms, evolutionary programming, fuzzy systems, and hybrid intelligent systems in which these paradigms are contained. Changes to the field of interest may be made with the approval of the IEEE Technical Activities Board.

ARTICLE III - Membership

Section 1. The membership of this Society shall be limited to Members of the IEEE of any grade, including Students, Honorary, Life or Retired Members, who have a professional interest in any phase of the Field of Interest of the Society.

Section 2. The society will accept Affiliates in accordance with IEEE Bylaws, or Statement of Policy, subject to any additional limitations imposed by the Society Bylaws.

ARTICLE IV - Management and Election of Officers

Section 1. The Society shall be managed by a Board of Governors (BoG), consisting of fifteen voting Members who are elected from the membership at large. In addition, the following officers shall form the Executive Committee (Excom) and are ex officio members with vote, whether or not they are also included in the fifteen:

- President
- President-Elect
- Vice President for Finance
- Vice President for Conferences
- Vice President for Publications
- Vice President for Technical Activities
- Immediate Past President

In addition, the Secretary shall be a non-voting member of Excom and the BoG.

Section 2. Election of the Officers and Members of the Board of Governors shall be by a method detailed in the Bylaws, which method shall include a provision for nominations by petition of Society Members who are not Officers or Members of the BoG.

Section 3. The President shall serve as an officer for three years: The year following his/her election, the individual elected to the presidency serves as president-elect. The next year he/she assumes the presidency. The third

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year he/she serves as the immediate past president. The past president may again be elected to the presidency following a lapse of three years after serving as president.

The other officers are elected for one year terms. They may each serve a maximum of three consecutive full terms. Eligibility for office is restored after a lapse of one year. Filling an unexpired term for more than six months shall count as a full term.

Section 4. The terms of office of the fifteen Members of the BoG shall be three years, with five Members to be elected each year. Not more than two consecutive full terms are permitted, unless otherwise provided in the Bylaws, but eligibility is restored after a lapse of one year.

Section 5. In order to ensure a continuously active BoG, elected Members who miss three consecutive meetings of the BoG will be dropped from Membership, in the absence of extenuating circumstances. Such circumstances shall be determined by the President, with the consent of the remaining Members of the BoG. Any vacancies caused by this process shall be filled in accord with Article V, Section 9 of this Constitution.

ARTICLE V - Powers, Privileges, and Duties

Section 1. It shall be the duty of each Member of the Society to vote on matters which are submitted to the membership in a referendum. Each Member shall keep the BoG informed concerning his/her views and may attend any meeting of the BoG. He/she shall be allowed the floor at any meeting but may not make motions, vote, or preside.

Section 2. The duties and responsibilities of the Officers and Members of the BoG shall be defined hereunder and in the Bylaws, and as further delineated by the BoG.

Section 3. The President, under the direction of the BoG, shall call all regular and special meetings of the BoG, general meetings of the Society, and the Annual Meeting of the Society, and shall preside at all such meetings. He/she shall coordinate and supervise all activities of the Society and have such other powers and perform such other duties as may be provided in the Society Bylaws, or as may be delegated to him/her by vote of the Society

BoG. It shall be the duty of the President to see that the orders and resolutions of the Society BoG, the IEEE Technical Activities Board (TAB), the IEEE Executive Committee and IEEE Board of Governors are carried out. The President shall be an ex officio member of all standing, Technical and Special Committees of the Society except the Nominations Committee. He/she may vote in the BoG if necessary to break a tie, and may vote during the election of officers.

The President is an ex officio member of the Technical Activities Board and, when notified of a meeting of said Board, shall insure representation of the Society at meetings of this Board. He/she may delegate such representation to another Officer or Member of the BoG on a meeting-by-meeting basis, by written notice to the Chairman of the Technical Activities Board. If an alternate is not available, the President shall present the views of the Society by a letter of proxy.

Section 4. The President-Elect shall assume the duties and have the powers, privileges, and responsibilities of the President during the latter's absence.

Other duties may be assigned to the President-Elect in the Bylaws.

Section 5. The Vice President-Finance shall perform the functions of Treasurer. He/she shall prepare and propose a budget for approval by the BoG, and shall monitor expenditures to verify that they are in accord with the approved budget. He/she shall prepare financial reports as requested by the President and the BoG.

Section 6. The duties of the other Vice Presidents and the Secretary are delineated in the Bylaws.

Section 7. The duties of the Immediate Past President shall include those of all other voting Members of the BoG. Additional duties may be assigned in the Bylaws.

Section 8. The duties of the BoG shall be to represent the interests of members of the Society. The BoG shall approve the annual budget and authorize the expenditure of funds for the Society. The BoG shall approve amendments to the Constitution and make changes to the Bylaws as stipulated herein Article XI.

Section 9. Should the office of the President become vacant due to

resignation, death or long-term incapacitation, the BoG shall select one of the Vice Presidents to assume the office for the remainder of the year and then assume the office of Past President for the following year. Vacancies in all other offices, including that of Vice President when that person assumes the Presidency, shall be filled by vote of the BoG either at a duly constituted meeting or by mail ballot.

If action of the President is required and the President and President-Elect are both unable to perform the requisite duties, the line of succession is Immediate Past President, Vice President for Finance, and then Vice Presidents based on seniority.

If a member of the BoG is removed from office due to inactivity or incapacity, the President shall appoint, with the approval of the BoG, the individual with the highest non-elected votes during the previous election to fill out the remainder of that member's term. Upon a majority of two-thirds of the legally cast votes of the BoG members present, the vacant office or membership may be filled for the unexpired term, upon nominations from the floor.

Section 10. The Society may utilize the services of IEEE Head-Quarters as bursar for all or part of the Society funds, as provided by the IEEE Bylaws and Statements of Policy. If any part of the Society funds is received and deposited separately, the terms and conditions shall be in accord with IEEE policies and subject to the provisions of the Society Bylaws and to any special limitations imposed by the BoG.

Conferences or Symposia jointly sponsored with other technical societies are excluded from the above provisions, when a Constitution for the meeting has been approved by the BoG and the IEEE.

Returns from investment of Society funds shall be credited to the Society. Disbursements shall be made on the signature or instructions of the Vice President for Administration. If the Vice President for Finance is disabled or unable to serve, the President may make disbursements during the incapacity.

Section 11. The President-Elect, Vice Presidents, and newly elected members of the BoG shall assume office on January 1 of the year immediately following their election or as soon thereafter as practicable. They shall continue in office until the new officers have been duly elected and have taken office.

Section 12. A Chapter in a Section may be formed and operated on any plan not inconsistent with the powers of the BoG of this Society. A Chapter may assist the BoG of this Society in the management of a meeting, conference, lecture series, symposium, or convention promoted by the Society in a Section. The Chapter may promote meetings of the Section in the Field of Interest of this Society, under the supervision and control of the Officers of the Section in which the Chapter is located.

Section 13. The President shall appoint the Chairman and Members of each of the Standing Committee provided by the Bylaws as soon as expedient after assuming office.

Special or ad hoc Committees may be established and Officers and Members appointed by the President. Technical Committees may be established as needed to develop standards or other specific areas of interest, and as listed in the Bylaws.

Members appointed to committees and similar posts shall have a term of one year, but shall serve until their successors are appointed or the Committee is dissolved, except where other terms are specifically designated by the BoG.

Section 14. Monies held by or for the Society legally belong to the IEEE, and such monies shall not be expended for activities prohibited by the Bylaws of the Institute, the Constitution and Bylaws of the Society, by regulations published in the IEEE Technical Activities Board Manual, or any other purposes known to be inimical to the interests of IEEE.

Section 15. No Officer of the Society, Member of the BoG, or other representative shall have the authority to contract debts for, pledge the credit of, or in any way bind the IEEE for any amount in excess of the funds allocated to the Society in a budget previously authorized by the BoG.

Section 16. No Officer of the Society or Members of the BoG shall receive, directly or indirectly, any salary, traveling expenses, compensation, or emolument from the Society as an Officer or in any other capacity unless authorized by the BoG or by the Bylaws for the Society.

ARTICLE VI - Financial Support

Section 1. The Society shall collect from its Members and Affiliates an annual assessment or fee, in accordance with the Bylaws and applicable Statements of Policy. The amount of the fee shall be determined each year by the BoG, as specified in the Bylaws.

Section 2. The Society may make registration charges at its Society meetings, conferences, lecture series, discussion groups, symposia, or conventions. The registration fee for non-members shall be higher than for IEEE Members and Society Affiliates, unless there are prior agreements with another society and approved by IEEE.

Section 3. The Society may raise revenues by other means, provided such means do not encroach on revenue fields of prior established Councils, Societies, Groups or Sections.

Any new revenue means not explicitly covered by IEEE Statements of Policy must be approved by the General Manager of the IEEE before being adopted by the Society.

ARTICLE VII - Meetings

Section 1. The Society may hold technical meetings, conferences, lecture series, symposia, or conventions either alone or in cooperation with Sectional, Regional, or Major Convention Committees of the IEEE, or other technical organizations, but the approval of IEEE Headquarters must be obtained in advance in order to prevent conflicts of dates or subject matter. The Society shall sponsor or co-sponsor at least one technical conference of international scope each year.

Section 2. Meetings, conferences, lecture series, discussion groups, symposia, or conventions of the Society shall be open on an equal basis to all members of the IEEE, regardless of grade, and to Society or Group Affiliates upon payment of the appropriate registration fee, if any. Such activities shall not be held at a time or place which will conflict with a sectional, regional, or international meeting, conference, lecture series, symposium, or convention without approval of the Executive Committee of the IEEE.

Section 3. Meetings of the BoG shall be held at such times as are found necessary or convenient. Meetings of the BoG may be called by the President

of the Society at his/her own discretion, or upon request by at least three other Officers or Members of the BoG. The time, place and agenda shall be announced to all voting and ex officio Members of the BoG at least twenty days in advance of the meeting, or by first-class mail to the address of record at least 25 days in advance of the meeting.

Section 4. The BoG shall have at least one meeting per year called in accordance with Section 3 above.

Section 5. Eight elected Members of the BoG shall constitute a quorum.

Section 6. All Officers and BoG Members shall have an equal vote, except as otherwise provided in the Constitution or Bylaws. All Officers of committees and subcommittees, and Chapter Chairmen, unless elected as Officers or to the BoG, shall be ex officio non-voting members.

Section 7. A majority of the legal votes cast by those Officers and Members of the BoG attending a meeting shall be necessary in the conduct of its business, except as otherwise provided in this Constitution or the Bylaws.

Section 8. Business of the BoG may be handled by correspondence, telephone, e-mail, or FAX, where in the opinion of the President matters requiring action can be adequately handled in that manner. All voting members of the BoG are to be notified of any such proposed action and a majority of the legal votes cast by the Members of the BoG is necessary for approval of actions handled in that manner, unless otherwise provided in the Constitution or Bylaws. Telephone acts are to be confirmed promptly in writing.

Section 9. If less than a quorum attend a duly called meeting, tentative actions may be taken which will become effective upon subsequent ratification, either at a meeting or by mail. If mail ratification is used, minutes of such meetings shall be mailed by the Vice President for Administration to each voting BoG Member, who shall register his approval or disapproval of any actions taken at such meetings within twenty days after mailing said minutes, or he/she shall be deemed to have ratified.

ARTICLE VIII - Publications

Section 1. Publication of programs, notices and the like may be made entirely

or partly in the IEEE Spectrum, Society Transactions, convention and conference records, or the Society Magazine, subject to IEEE policies and to any further guidance or controls prescribed by the BoG or its duly appointed committees.

Section 2. The Society may undertake, alone or jointly with others, the publication of one or more Transactions or other journals, as approved by the IEEE Executive Committee. Selection of the published material shall be in accordance with the objectives and policies of IEEE and the Society. The direct and indirect support of such publications shall be divided between the Society and IEEE, as prescribed by applicable rules and regulations, and in accordance with IEEE procedures.

Section 3. The President, with the advice and consent of the BoG, shall appoint such editors as may be required to implement the publication program. The duties of an editor, and his/her compensation, if any, shall be as prescribed in the Bylaws.

ARTICLE IX - Referendum

Section 1. A referendum may be initiated by the BoG or by a petition to the President by at least two percent of the Society Membership. More than one question may be included on any ballot.

ARTICLE X - Recall

Section 1. If for any reason the best interest of the Society seem to require a change in the Officers or the BoG during the year, the matter shall be duly and carefully considered by the BoG. Upon not less than a two-thirds vote of the BoG or upon receipt by BoG of a petition signed by two percent of the Members of the Society, the BoG shall meet for the special purpose of considering and voting upon the recommended change. The call for the meeting must be issued not less than twenty days before the date set, or sent by first-class mail to the address of record no later than twenty-five days prior to the meeting. Notice of such proposed action shall be given to the delinquent Officer or Member of the BoG at least twenty days before the BoG meeting.

Section 2. An affirmative vote of two-thirds of the legally cast votes of the

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Institute of Electrical and Electronics Engineers

COMPUTATIONAL INTELLIGENCE SOCIETY

BYLAWS

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Society, and shall make such reports of activities as may be required by the BoG, the IEEE Technical Activities Board or the IEEE Executive Committee. who shall be responsible for sending out notices according to instructions of the BoG, or required by the Society Constitution or Bylaws. He/she shall keep file copies of all meeting notices, minutes of meetings, letters and bulletins sent and received for at least seven years, except for those which may be specifically assigned to the custody of others. He/she shall send current archival copies to the IEEE Headquarters for storage.

ARTICLE III - Nominations and Elections

Section 1. Immediately following the beginning of each year, the Past President of the Society shall appoint a Nominations Committee which shall consist of a Chairman and three more members of the Society. At least two of the four shall not be members of the BoG. The Society Officers and the Immediate Past President may not serve on the Nominations Committee, or be members ex officio.

Section 2. The Chairman of the Nominations Committee shall cause a call for nominations of Officers and Members of the BoG to be published and distributed to the entire Society membership, on or before April 15 of each year. The call must carry with it a statement setting a time limit for the submission of nomination petitions to the Society. A nomination by petition from the Society membership must contain valid signatures of at least fifteen Society members, excluding Students and Affiliates, and must be received by the President of the Society on or before June 1. The reception of any such valid petition shall automatically place that nominee on the slate, provided he/she is an IEEE and Society Member in good standing and meets all other requirements of the Constitution and these Bylaws.

Section 3. Recommendations for all nominees shall also be solicited by a letter from the Chairman of the Nominations Committee to the Chairman of all chapters, Standing and Technical Committees of the Society. Each year the Nominations Committee shall nominate at least eight (8) members of the Society, excluding students and affiliates, for membership on the BoG, and at least one (1) will be designated as regional representative. Each nominee shall be consulted prior to the nomination to see if he/she will serve. If any nominee so requests, the name shall be withdrawn. Chapter Chairmen shall be asked specifically to nominate individuals to represent the interest of

Chapters.

Section 4. On or before June 10, the final slate of nominations to the BoG shall be prepared by the Nominations Committee and sent to IEEE Headquarters for the preparation of a mail ballot. Eight or more names shall be listed as candidates for the five positions. A ballot shall be mailed to each Member of the Society on or before July 15, with a statement that only those legally cast ballots received by IEEE Headquarters on or before September 15 will be counted. That office shall transmit the results of the election to the President and Secretary of the Society prior to the date of the Annual Meeting of the BoG.

Five BoG members will be elected each year. The five candidates receiving the largest number of votes are declared elected. Ties shall be broken by the BoG. If an elected Member fails to accept office, or a disapproval is received from Headquarters, the candidate receiving the next highest number of votes will be elected. The list of candidates and votes shall be maintained to fill vacancies that may occur during the year. If all vacancies cannot be filled in this manner, the President may call for a special election to fill the vacancies.

The President shall submit the names of such elected BoG members to the Chairman of the Technical Activities Board. Unless disapproval of such elected members is received within sixty days of such transmittal, the election becomes final.

Section 5. Society Officers, including the Secretary, shall be elected by Members of the BoG. The Chairman of the Nominations Committee shall communicate with the Vice Presidents, and all voting Members of the BoG prior to September 1 to see who will serve as an Officer if elected. If any nominee so requests, his/her name shall be withdrawn. Recommendations for officers shall also be solicited from the Chairmen of all Chapters, Standing and Technical Committees.

Section 6. The Nominations Committee shall be guided in its selections by principles of fairness so that all technical interests of the society are represented by the Officers and BoG Members.

Section 7. The Chairman of the Nominations Committee shall submit nominations for officers to the IEEE-TAB office prior to October 1.

Section 8. Nominations by the membership for President and Vice Presidents by written petition to the President of the Society must be in the hands of the President by September 20 and the names of these candidates should be included in the slate submitted for election.

Section 9. If declinations are received after the nominations for officers have been made but before ballots have been sent out, the President of the Society may make additional nominations.

Section 10. The names of any nominees for Officers who are not eligible under the Constitution or Bylaws shall be withdrawn by the President of the Society.

Section 11. The IEEE-TAB office shall prepare a ballot including the names submitted by the Nominations Committee and those nominated under Section 8 and 9 above. This ballot shall be submitted to the BoG on or about October 1. A blank for write-in candidates shall be left for each office on the ballot. The ballots should be returned to the IEEE-TAB office by November 1. For each office if no candidate receives a majority, then a run-off ballot will be prepared and submitted to the Members of the BoG by November 10. This ballot will contain only the names of the two highest candidates for each office wherein a majority was not received by one candidate. No write-ins are allowed on this ballot. The ballot shall be returned by December 1. If an elected officer fails to accept office or a disapproval is received from IEEE Headquarters because there has been some irregularity in the nomination and election procedures or the elected individual has failed to maintain IEEE membership or Society membership, then an approval/disapproval ballot should be sent to the BoG for ratification of the next highest candidate for that office from the previous ballot. If the BoG should disapprove or if the disqualified candidate is the only candidate for that office, then the Nominations Committee should draw up a new slate for that office. This ballot may be submitted by mail or at a duly constituted meeting of the BoG.

Section 12. The President of the Society shall inform the successful candidate of their election and shall arrange for the transfer of responsibility. The names of such elected members shall be published to the Society membership and reported to the IEEE General Manager.

ARTICLE IV - Membership and Society Affiliates

Section 1. There shall be only one grade of Society membership, and it shall be available to all IEEE members, based upon the payment of the annual fee prescribed in these Bylaws, Article VII, Section 1.

Section 2. A reduction of the annual fee may be made for those classes of Members prescribed by IEEE Statements of Policy.

Section 3. Any member in good standing of an organization recognized for affiliate purposes by specific action of the BoG of the Society, and by the IEEE Executive Committee, is eligible to become a Society Affiliate upon payment of the prescribed Affiliate's assessment, provided he/she shall not have been an IEEE member during the five years previous to his/her Affiliate applications. Affiliates may join in accordance with any other provision that may be incorporated in IEEE Statements of Policy.

ARTICLE V - Administrative Organization

Section 1. An Executive Committee, chaired by the President, is concerned with the day-to-day affairs of the Society. Particular duties are:

- (1) Development of the Annual Report
- (2) Tracking of finances
- (3) Development of the Agenda for BoG meeting
- (4) Strategic planning

In addition to the President, the Executive Committee voting members are:

President-Elect
Immediate Past President
Vice President for Finance
Vice President for Conferences
Vice President for Publications
Vice President for Technical Activities

The Secretary is a non-voting member of the Executive Committee.

Section 2. Each year, prior to the annual BoG meeting, the Vice President for Finance shall prepare the annual budget and submit it to the BoG for approval. Vice President for Finance shall provide fiscal guidance to the Vice Presidents in the preparation of their budgets.

Section 3. The Vice President for Conferences shall:

- (1) Prepare the annual budget submission to the BoG for approval, based on guidance from the Vice President for Finance, and make projections on future conference budgets.
- (2) Review periodically the activities of the Conference Committees of current and future Society sponsored and cosponsored conferences.
- (3) Approve proposals for future sites for the Society sponsored conferences.
- (4) Approve conferences requesting Society sponsorship or cosponsorship.
- (5) Coordinate International Conferences.
- (6) Appoint the general chairman, subject to approval by the BoG, for each Society sponsored international conference and the primary Society representative on cosponsored conference committees.

Section 4. The Vice President for Publications shall:

- (1) Prepare the annual budget submission to the BoG, based on guidance from the Vice President for Finance, for approval.
- (2) Establish publication policies for all Society sponsored transactions.
- (3) Approve Special Issues of Transactions and joint issues with other IEEE publications.
- (4) Appoint Editorial Boards, apart from the editors who are appointed by the President, of all transactions.
- (5) Approve IEEE press publications sponsored by the Society.

Section 5. The Vice President for Technical Activities shall:

- (1) Prepare the annual budget submission for the technical activities, including the technical committees, to the BoG for approval, based on guidance from the Vice President for Finance.
- (2) Creation and elimination of technical committees and coordination of their activities.
- (3) Technology forecasting - review of emerging areas within the scope of interest of the Society.
- (4) Relations with other IEEE Societies whose interest overlap those of this Society.

ARTICLE VI - Committee Activities

Section 1. Awards, as authorized by the BoG with the approval of the TAB Awards and Recognition Committee, shall be given by the Society. Each award shall be assigned to the appropriate Awards Committee. The committees shall solicit nominations for the awards, screen candidates, and recommend awards to the BoG. Where appropriate, the committees should also recommend candidates for Medals, Awards and other recognitions within the IEEE. The following Awards Committees shall be appointed by the President:

- (1) Achievement Awards Committee
- (2) Education Awards Committee
- (3) Prize Paper Awards Committee
- (4) Service Awards Committee

Section 2. The Constitution and Bylaws Committee, appointed by the Past President shall:

- a. Maintain up-to-date copies of the Constitution and Bylaws and make them available at each meeting of the BoG.
- b. Ascertain that the Constitution and Bylaws are not in conflict with any requirements or rules of IEEE Headquarters.

c. Recommend changes in the Constitution and Bylaws as necessary to conform to the developments of the Society, its BoG, and its membership and mode of operation.

d. The Chairman of the Constitution and Bylaws committee shall serve as parliamentarian and consultant on procedural matters at meetings of the BoG.

Section 3. The Fellows Committee, appointed by the Past President, shall:

a. Encourage Fellow nominations for worthy candidates who have contributed to the Society.

b. Review Fellow nominees on behalf of the Society for the IEEE Fellows Committee. The members of this Committee must be Fellows of the IEEE and members of the Society.

Section 4. For each Transaction authorized by the BoG, the Editor appointed by the President and approved by the BoG, and Associate Editors, appointed by the Vice President for Publications, shall form an Editorial Board. Each Editorial Board shall solicit or otherwise obtain appropriate papers and review and edit same for their respective Transactions according to policies set by the Vice President for Publications. The Transactions shall be published with the assistance of the IEEE Publications Staff. Each Editorial Board shall present a page limit and dollar budget to the Vice President for Publications for the preparation of the annual budget.

Section 5. For each international conference authorized by the Vice President for Conferences and the BoG, the General Chairman appointed for that conference shall establish a committee and subcommittees to plan and manage the affairs of that conference. The Committee may establish a separate bank account subject to the regulations of the IEEE for such accounts. The Committee shall arrange for the publication of conference proceedings in accordance with the policies of the IEEE Publications Board and the TAB Publications Committee.

Section 6. For technical areas within the field of interest of the Society, Technical Committees may be established. Each committee shall prepare a charter and the committee becomes formal when the charter is approved by

the BoG. Such committees may assist in organizing workshops, special sessions at conferences, tutorial programs and other activities that advance the state of knowledge and educate the Society and general IEEE membership in their respective areas.

ARTICLE VII - Finances

Section 1. On or before July 1 of each year, the annual fee for the Society Members and Affiliates shall be set by the BoG for the next calendar year.

Section 2. Registration fees may be charged at special Society meetings, conferences, lecture series, symposia, and conventions.

Section 3. Prior to the meeting of the BoG in which the annual budget is to be approved, the Vice President for Finance shall provide guidance to the other Vice Presidents, who shall submit to the President and the Vice President for Finance of the Society a proposed budget for the ensuing year. The Vice President for Finance shall present the proposed budget to the BoG for approval. When approved by the BoG, this budget shall become binding upon the Society until such time as it may be changed by the BoG. This budget will constitute authorization to the Vice President for Finance to disburse the funds in amounts not to exceed any budget item.

The Vice President for Finance shall be responsible for forwarding to IEEE Headquarters the approved budget and IEEE Headquarters will be thereby authorized to disburse the funds in accordance with these instructions from the Vice President for Finance. The Vice President for Finance shall obtain a financial statement of receipts, expenditures and balances from IEEE Headquarters at least twice yearly and shall distribute copies of this statement to all Members of the BoG. A running account of commitments to date shall also be kept.

Section 4. The general chair for a symposium or technical conference may, with the advice and consent of the Vice President for Conferences, authorize the symposium or technical conference treasurer or fiscal officer to open an account to be used for the deposit and disbursement of funds related to the symposium or conference. In each case, the Vice President shall be advised of the name of the bank, the anticipated size of the account, the names of the account signatories, and of arrangements for insurance and for bonding. Symposia or technical conferences jointly sponsored with other technical

societies or educational institutions are excluded where a charter of operations with the other societies or education institutions is approved by the BoG and the IEEE Executive Committee.

Section 5. For other special circumstances, such as cosponsorship of a symposium, the BoG shall make prudent arrangements to safeguard the Society's funds that may be involved.

ARTICLE VIII - Meetings

Section 1. The Secretary shall notify the Officers, Members and ex officio Members of the BoG, the Immediate Past President, all Chapter Chairmen in the Sections, all Chairmen of Standing, Technical and special Committees, and appropriate guests of the time, place and agenda of all meetings of the BoG at least twenty days in advance of the meeting.

Section 2. A roll call shall be made at the beginning of each BoG meeting. The Secretary shall record the names of those present and announce whether a quorum exists.

Section 3. The Secretary shall transmit in writing within ten days of their adoption all motions, directives or orders of the BoG or of the Society to the person, persons, Members or Affiliates affected. He/she shall transmit a true and faithful copy of the minutes of all meetings of the BoG or of the Society to the President, President-Elect, Vice Presidents, Members of the BoG, Chairmen of the Standing and Special Committees, the Chairmen of each Technical Committee, Chapter Chairmen in the Sections, and to the Secretary of the IEEE Technical Activities Board within thirty days of the meeting. As soon after January 1 as practicable he/she shall provide a directory listing the names and addresses of all of the above mentioned people to each person named therein.

Section 4. The Chairmen of all Standing, Technical and Special Committees, and all Chapter Chairmen in the Sections shall be invited to attend all meetings of the BoG as guests and advisors but shall not have the right to propose motions, vote, or preside, unless they are voting Members of the BoG.

Section 5. Meetings of the BoG, once called, may be cancelled or changed in

time only by consent of a majority of all the Members of the BoG not less than fourteen days before the original date or the new date set for the meeting, whichever is earlier. Notice of such cancellation or changed date shall be given all BoG Members by mailing a notice not less than ten days before the original or the new date, whichever is the earlier.

Section 6. Meetings of the Society may be held at international or regional meetings or conventions of the IEEE, or jointly with another Society, whenever such a meeting is deemed desirable by the BoG.

Section 7. Notice of Society meetings shall be sent to all Members and Affiliates of the Society by the Secretary not less than thirty days prior to the scheduled date of the meeting. When holding joint meetings of the Society with Sections of the IEEE, or with other societies, the Secretary shall send meeting notices to all members of the Society, but not to those of the cooperating Section or Society, the latter being notified by their regular channels.

ARTICLE IX - Transitional Government

(To be deleted four years after the approval by TAB of the formation of the Society.)

Section 1. During the transitional period immediately following the formation of the new Society, the duly elected Officers of the Neural Network Council shall serve as Officers of the Society, until replaced by elections. The Executive Vice President of the Neural Network Council shall assume the office of President-elect.

Section 2. Members of the Neural Network Council Adcom shall continue to serve as Members of Board of Governors during the first year of the new society. The BoG membership during the first year shall include two representatives appointed by each of the member societies of the Neural Networks Council and six officers of the Neural Networks Council. At its first meeting, the BoG shall elect a Vice President for Technical Activities. During the second year, the BoG will include five members of the BoG elected by Society members at large, one member of the Neural Networks Council Adcom appointed by each of the Neural Networks Council member societies, as well as the officers of the Society. During the third year, the BoG will

include, in additions to its membership during the second year, an additional five members elected by the Society members at large . In the fourth and succeeding years, the BoG will consist of the fifteen members elected by the Society members at large and the officers of the Society.

Section 3 Elections will be held at the first available opportunity after the formation of the new Society. Since membership enrollments and payment of fees are nominally done in December, membership can only be ascertained in the Spring of the subsequent year. Thus the first election for BoG Members will have to be held in the Fall of that subsequent year. Election procedures are as outline in this Bylaws, Article III.

Motion offered by the NNC Executive Committee

The president of NNC is directed to place before TAB at its meeting on June 24, 1995, the following two motions:

1. The Neural Networks Council shall become a new society, the Neural Networks Society, effective January 1, 1996 with a Field of Interest, identical to that of the Neural Networks Council, as follows:

FIELD OF INTEREST: The field of interest of the Society and its activities and programs shall be the theory, design, applications and development of biologically and linguistically motivated computational paradigms emphasizing neural networks, including connectionist systems, genetic algorithms, evolutionary programming, fuzzy systems, and hybrid intelligent systems in which these paradigms are contained.

2. Provided Motion # 1 is passed, the name of the new society shall be the

COMPUTATIONAL INTELLIGENCE SOCIETY

These are sense motions, and their wording may be modified so as to conform to the rules of IEEE and to the recommendations of TAB.

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NNC 1996 BUDGET

(Assuming TNN Split & Society)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN-1 (804 pages)						• Assum. TNN Split Appr.
IEEE Member-Sponsoring Soc.	19.00	5500	104.50			
IEEE Member-Non-Spons. Soc.	27.00	450	12.15			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-1 TOTAL			291.74	245.65	46.09	• Includes future Δ paper cost
TNN-2 (804 pages)						• Assum. TNN Split Appr.
IEEE Member-Sponsoring Soc.	19.00	5500	104.50			
IEEE Member-Non-Spons. Soc.	27.00	450	12.15			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-2 TOTAL			291.74	245.65	46.09	• Includes future Δ paper cost
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	19.00	6100	115.90			
IEEE Member-Non-Spons. Soc.	27.00	204	5.51			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			206.41	153.60	52.81	• Includes future Δ paper cost
Newsletter			0.00	5.00	(5.00)	• Assuming Society Appr.
Subtot. Trans & News			789.89	649.90	139.99	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	• Potential loss liability
ICNN 95			26.10	0.00	26.10	• Should post profit in 96
ICEC 95			29.30	0.00	29.30	• Should post profit in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	• Budgeted surplus in 96
FUZZ 96			0.00	0.00	0.00	• Should post surplus in 97
ICEC 96			11.85	0.00	11.85	• Budgeted surplus in 96
[If approved] CIFER 96			14.00	0.00	14.00	• 50% of budg. surplus in 96
VRAIS96			23.50	0.00	23.50	• 50% of budg. surplus in 96
FUZZ 97			0.00	0.00	0.00	• Should post surplus in 97
WCCI-98			0.00	0.00	0.00	• Should post surplus in 98
Subtot. Conf. & Meet.			140.65	21.00	119.65	

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 BUDGET 96-[Split & Society]

BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Membership Fee	7.00		0.00	0.00	0.00	• Not included in budget
Society Membership Handl.			0.00	10.00	(10.00)	• Assuming Society Appr.
Interest Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Book Broker Income			0.00	0.00	0.00	• Not included in budget
Subtot. Others			26.00	119.50	(93.50)	
Subtot. Trans & News			789.89	649.90	139.99	
Subtot. Conf. & Meet.			140.65	21.00	119.65	
Subtot. Others			26.00	119.50	(93.50)	
TOTAL			956.54	790.40	166.14	

Revision Date:	6/15/95	Prepared by: Piero Bonissone	
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NNC 1996 BUDGET

(Assuming No TNN Split & Society)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN (1608 pages)						Assum. TNN Split Appr.
IEEE Member-Sponsoring Soc.	28.00	7193	201.40			
IEEE Member-Non-Spons. Soc.	40.00	458	18.32			
Non IEEE Member	360.00	570	205.20			
APP			80.00			
Voluntary page charges	110.00	219	24.09			
TNN TOTAL			529.01	466.30	62.71	Includes future Δ paper cost
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	19.00	6100	115.90			
IEEE Member-Non-Spons. Soc.	27.00	204	5.51			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			206.41	153.60	52.81	Includes future Δ paper cost
Newsletter			0.00	5.00	(5.00)	Assuming Society Appr.
Subtot. Trans & News			735.42	624.90	110.52	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	• Potential loss liability
ICNN 95			26.10	0.00	26.10	• Should post surplus in 96
ICEC 95			29.30	0.00	29.30	• Should post surplus in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	• Budgeted surplus in 96
FUZZ 96			0.00	0.00	0.00	• Should post surplus in 97
ICEC 96			11.85	0.00	11.85	• Budgeted surplus in 96
[If approved] CIFER 96			14.00	0.00	14.00	• 50% of budg. surplus in 96
VRAIS96			23.50	0.00	23.50	• 50% of budg. surplus in 96
FUZZ 97			0.00	0.00	0.00	• Should post surplus in 97
WCCI-98			0.00	0.00	0.00	• Should post surplus in 98
Subtot. Conf. & Meet.			140.65	21.00	119.65	

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 BUDGET 96-[NoSplit & Society]

BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Membership Fee	7.00		0.00	0.00	0.00	• Not included in budget
Society Membership Handl.			0.00	10.00	(10.00)	• Assuming Society Appr.
Interst Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Book Broker Income			0.00	0.00	0.00	• Not included in budget
Subtot. Others			26.00	119.50	(93.50)	
Subtot. Trans & News			735.42	624.90	110.52	
Subtot. Conf. & Meet.			140.65	21.00	119.65	
Subtot. Others			26.00	119.50	(93.50)	
TOTAL			902.07	765.40	136.67	

Revision Date:	6/15/95	Prepared by: Piero Bonissone
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NNC 1996 BUDGET (Assuming TNN Split & Council)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN-1 (804 pages)						• Assum. TNN Split Appr.
IEEE Member-Sponsoring Soc.	19.00	5500	104.50			
IEEE Member-Non-Spons. Soc.	27.00	450	12.15			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-1 TOTAL			291.74	245.65	46.09	• Includes future Δ paper cost
TNN-2 (804 pages)						• Assum. TNN Split Appr.
IEEE Member-Sponsoring Soc.	19.00	5500	104.50			
IEEE Member-Non-Spons. Soc.	27.00	450	12.15			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-2 TOTAL			291.74	245.65	46.09	• Includes future Δ paper cost
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	19.00	6100	115.90			
IEEE Member-Non-Spons. Soc.	27.00	204	5.51			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			206.41	153.60	52.81	• Includes future Δ paper cost
Newsletter			0.00	0.00	0.00	
Subtot. Trans & News			789.89	644.90	144.99	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	• Potential loss liability
ICNN 95			26.10	0.00	26.10	• Should post surplus in 96
ICEC 95			29.30	0.00	29.30	• Should post surplus in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	• Budgeted surplus in 96
FUZZ 96			0.00	0.00	0.00	• Should post surplus in 97
ICEC 96			11.85	0.00	11.85	• Budgeted surplus in 96
[If approved] CIFER 96			14.00	0.00	14.00	• 50% of budg. surplus in 96
VRAIS96			23.50	0.00	23.50	• 50% of budg. surplus in 96
FUZZ 97			0.00	0.00	0.00	• Should post surplus in 97
WCCI-98			0.00	0.00	0.00	• Should post surplus in 98
Subtot. Conf. & Meet.			140.65	21.00	119.65	

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BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Interst Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Book Broker Income						* Not included in budget
Subtot. Others			26.00	109.50	(83.50)	
Subtot. Trans & News			789.89	644.90	144.99	
Subtot. Conf. & Meet.			140.65	21.00	119.65	
Subtot. Others			26.00	109.50	(83.50)	
TOTAL			956.54	775.40	181.14	

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NNC 1996 BUDGET (Assuming No TNN Split & Council)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN (1608 pages)						• Assum. no TNN Split
IEEE Member-Sponsoring Soc.	28.00	7193	201.40			
IEEE Member-Non-Spons. Soc.	40.00	458	18.32			
Non IEEE Member	360.00	570	205.20			
APP			80.00			
Voluntary page charges	110.00	219	24.09			
TNN TOTAL			529.01	466.30	62.71	• Includes future Δ paper cost
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	19.00	6100	115.90			
IEEE Member-Non-Spons. Soc.	27.00	204	5.51			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			206.41	153.60	52.81	• Includes future Δ paper cost
Newsletter			0.00	0.00	0.00	
Subtot. Trans & News			735.42	619.90	115.52	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	• Potential loss liability
ICNN 95			26.10	0.00	26.10	• Should post surplus in 96
ICEC 95			29.30	0.00	29.30	• Should post surplus in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	• Budget surplus in 96
FUZZ 96			0.00	0.00	0.00	• Should post surplus in 97
ICEC 96			11.85	0.00	11.85	• Budget surplus in 96
[If approved] CIFER 96			14.00	0.00	14.00	• 50% of budg. surplus in 96
VRAIS 96			23.50	0.00	23.50	• 50% of budg. surplus in 96
FUZZ 97			0.00	0.00	0.00	• Should post surplus in 97
WCCI-98			0.00	0.00	0.00	• Should post surplus in 98
Subtot. Conf. & Meet.			140.65	21.00	119.65	

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BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Interst Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Book Broker Income			0.00	0.00	0.00	Not included in budget
Subtot. Others			26.00	109.50	(83.50)	
Subtot. Trans & News			735.42	619.90	115.52	
Subtot. Conf. & Meet.			140.65	21.00	119.65	
Subtot. Others			26.00	109.50	(83.50)	
TOTAL			902.07	750.40	151.67	

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NNC 1996 BUDGET (Assuming TNN Split & Society)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN-1 (804 pages)						
IEEE Member-Sponsoring Soc.	18.00	5500	99.00			• Assum. TNN Split Appr.
IEEE Member-Non-Spons. Soc.	26.00	450	11.70			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-1 TOTAL			285.79	237.70	48.09	
TNN-2 (804 pages)						
IEEE Member-Sponsoring Soc.	18.00	5500	99.00			• Assum. TNN Split Appr.
IEEE Member-Non-Spons. Soc.	26.00	450	11.70			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-2 TOTAL			285.79	237.70	48.09	
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	18.00	6100	109.80			
IEEE Member-Non-Spons. Soc.	26.00	204	5.30			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			200.10	148.00	52.10	
Newsletter			0.00	5.00	(5.00)	• Assuming Society Appr.
Subtot. Trans & News			771.68	628.40	143.28	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	
ICNN 95			26.10	0.00	26.10	• Should post profit in 96
ICEC 95			29.30	0.00	29.30	• Should post profit in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	
FUZZ 96			0.00	0.00	0.00	• Should post profit in 97
ICEC 96			11.85	0.00	11.85	
FUZZ 97			0.00	0.00	0.00	• Should post profit in 97
WCCI-98			0.00	0.00	0.00	• Should post profit in 98
Subtot. Conf. & Meet.			103.15	21.00	82.15	

BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Membership Fee	7.00		0.00	0.00	0.00	• Assuming Society Appr.
Society Membership Handl.			0.00	10.00	(10.00)	• Assuming Society Appr.
Interst Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Subtot. Others			26.00	119.50	(93.50)	
Subtot. Trans & News			771.68	628.40	143.28	
Subtot. Conf. & Meet.			103.15	21.00	82.15	
Subtot. Others			26.00	119.50	(93.50)	
TOTAL			900.83	768.90	131.93	

NNC 1996 BUDGET (Assuming No TNN Split & Society)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN (1608 pages)						
IEEE Member-Sponsoring Soc.	26.00	7193	187.02			
IEEE Member-Non-Spons. Soc.	39.00	458	17.86			
Non IEEE Member	360.00	570	205.20			
APP			80.00			
Voluntary page charges	110.00	219	24.09			
TNN TOTAL			514.17	450.40	63.77	
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	18.00	6100	109.80			
IEEE Member-Non-Spons. Soc.	26.00	204	5.30			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			200.10	148.00	52.10	
Newsletter			0.00	5.00	(5.00)	Assuming Society Appr.
Subtot. Trans & News			714.27	603.40	110.87	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	
ICNN 95			26.10	0.00	26.10	• Should post profit in 96
ICEC 95			29.30	0.00	29.30	• Should post profit in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	
FUZZ 96			0.00	0.00	0.00	• Should post profit in 97
ICEC 96			11.85	0.00	11.85	
FUZZ 97			0.00	0.00	0.00	• Should post profit in 97
WCCI-98			0.00	0.00	0.00	• Should post profit in 98
Subtot. Conf. & Meet.			103.15	21.00	82.15	

BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Membership Fee	7.00		0.00	0.00	0.00	• Assuming Society Appr.
Society Membership Handl.			0.00	10.00	(10.00)	• Assuming Society Appr.
Interst Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Subtot. Others			26.00	119.50	(93.50)	
Subtot. Trans & News			714.27	603.40	110.87	
Subtot. Conf. & Meet.			103.15	21.00	82.15	
Subtot. Others			26.00	119.50	(93.50)	
TOTAL			843.42	743.90	99.52	

NNC 1996 BUDGET (Assuming TNN Split & Council)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN-1 (804 pages)						
IEEE Member-Sponsoring Soc.	18.00	5500	99.00			• Assum. TNN Split Appr.
IEEE Member-Non-Spons. Soc.	26.00	450	11.70			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-1 TOTAL			285.79	237.70	48.09	
TNN-2 (804 pages)						
IEEE Member-Sponsoring Soc.	18.00	5500	99.00			• Assum. TNN Split Appr.
IEEE Member-Non-Spons. Soc.	26.00	450	11.70			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-2 TOTAL			285.79	237.70	48.09	
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	18.00	8100	109.80			
IEEE Member-Non-Spons. Soc.	26.00	204	5.30			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			200.10	148.00	52.10	
Newsletter			0.00	0.00	0.00	
Subtot. Trans & News			771.68	623.40	148.28	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	
ICNN 95			26.10	0.00	26.10	• Should post profit in 96
ICEC 95			29.30	0.00	29.30	• Should post profit in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	
FUZZ 96			0.00	0.00	0.00	• Should post profit in 97
ICEC 96			11.85	0.00	11.85	
FUZZ 97			0.00	0.00	0.00	• Should post profit in 97
WCCI-98			0.00	0.00	0.00	• Should post profit in 98
Subtot. Conf. & Meet.			103.15	21.00	82.15	

BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Interst Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Subtot. Others			26.00	109.50	(83.50)	
Subtot. Trans & News			771.68	623.40	148.28	
Subtot. Conf. & Meet.			103.15	21.00	82.15	
Subtot. Others			26.00	109.50	(83.50)	
TOTAL			900.83	753.90	146.93	

NNC 1996 BUDGET (Assuming No TNN Split & Council)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN (1608 pages)						
IEEE Member-Sponsoring Soc.	28.00	7193	187.02			
IEEE Member-Non-Spons. Soc.	39.00	458	17.86			
Non IEEE Member	360.00	570	205.20			
APP			80.00			
Voluntary page charges	110.00	219	24.09			
TNN TOTAL			514.17	450.40	63.77	
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	18.00	6100	109.80			
IEEE Member-Non-Spons. Soc.	26.00	204	5.30			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			200.10	148.00	52.10	
Newsletter			0.00	0.00	0.00	
Subtot. Trans & News			714.27	598.40	115.87	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	
ICNN 95			26.10	0.00	26.10	• Should post profit in 96
ICEC 95			29.30	0.00	29.30	• Should post profit in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	
FUZZ 96			0.00	0.00	0.00	• Should post profit in 97
ICEC 96			11.85	0.00	11.85	
FUZZ 97			0.00	0.00	0.00	• Should post profit in 97
WCCI-98			0.00	0.00	0.00	• Should post profit in 98
Subtot. Conf. & Meet.			103.15	21.00	82.15	

BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Interest Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Subtot. Others			26.00	109.50	(83.50)	
Subtot. Trans & News			714.27	598.40	115.87	
Subtot. Conf. & Meet.			103.15	21.00	82.15	
Subtot. Others			26.00	109.50	(83.50)	
TOTAL			843.42	728.90	114.52	

May 19, 1995

Dr. Walter Karplus, President
IEEE/NNCProf. Jim Bezdek, Chair
NNC Meetings Committee

Re: CIFEr '96 Budget and Request for Seed Funding and Sponsorship

Dear Walter and Jim,

First we would like to thank the IEEE for its sponsorship and support of CIFEr '95. The conference was a significant event. It marked the first major collaboration between the professional engineering and financial communities. By all indications CIFEr achieved its goal bringing together some of the most outstanding proponents of applying intelligent computational systems to financial applications. In addition CIFEr was able to attract many of the leading theorists in this emerging field of computation finance such as Lo, Dybvig, Abu-Mostafa, Lehman, plus mathematicians such as Vapnik and Yager. Practitioners, Killian, Hall, Barr and many others, lent their practical insight through well attended panel forums. Comments from attendees, oral and poster presenters, panelists, exhibitors and sponsors all were highly enthused about CIFEr and expressed a view that it was on its way to becoming the leading forum for new technologies and applications in the intersection of computational intelligence and financial engineering. Discussions with the audience during the review session at the end of the conference overwhelming expressed the desire to convene CIFEr next year. Finally both the IAFE and the IEEE will receive continuing benefits from the exposure they received sponsoring CIFEr '95 and from a fair number of new members they each were able to attract into their respective associations.

We return to the IEEE/NNC at this time to report on the CIFEr conference as well as to seek seed funding of \$20,000 for a 50% sponsorship of CIFEr '96. The attached documents review the preliminary results of CIFEr '95 as well as lay out a budget, schedule and a skeleton organizational team for CIFEr '96.

CIFEr '95 Conference Statistics

- 18 oral presentations
- 17 poster papers
- 3 specialists/practitioners panels
- 6 tutorials
- 231 conference attendees
- 17 countries represented
- 36 % academic, 64% corporate representation
- 11 exhibitors
- Estimated break-even financial performance

• Earlier Schedule

CIFEr '96 conference date is now provisionally set for March 24 - 26. This is a few weeks earlier than '95 owing to the fact that the Crowne Manhattan (hotel where CIFEr '95 was held) is booked for April and much of May '96. We do not believe the earlier date will adversely affect the conference, but it has required we move up by two weeks the Call for Papers deadline to Oct. 20. These two dates drive the remainder of the schedule for promotion, paper review, publication of proceedings, and so on. One of the schedule changes we have made is to begin the promotion of the Call for Participation at an earlier date in order to increase conference participation. The full schedule is on the attached sheet.

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• **Increased Attendance and Broader Participation**

CIFER '95 attendance was 231. The 105 tutorial attendees nearly all choose to attend the multiple sessions of either the engineering or finance track. Though we exceeded our estimates for the tutorials (we projected 50 attendees for multiple sessions and 50 for single session), we had anticipated that nearly all tutorial attendees would attend the conference as well. Anecdotal evidence indicates many attended only the tutorials, and this had a significant impact decreasing the number of conference attendees. In addition, late Call for Participation advertising certainly had a detrimental effect on participation. CIFER '96 must encourage more tutorial attendees to participate in the conference. Furthermore, early and effective Call for Participation advertising is absolutely needed. Because this is the second year of CIFER, with fairly good certainty we can design the program outline and begin preliminary advertising without having to wait to finalize the oral paper and poster selections as happened with CIFER '95. In addition with more effective and wider advertising for the Call for Papers, we hope to increase the number of submitted papers from 60 to well over 100. We will seek greater cooperation with the New York and San Francisco IEEE section where we believe there are many engineers involved in the field of finance. Finally, based on the corporate response to CIFER '95, we think it will be possible to obtain several corporate underwriting grants now that CIFER has a track record and visibility on Wall Street.

• **Improved Budget**

The CIFER '96 budget is based on the income and expense figures derived from the '95 actuals plus our best estimates for income and costs for the projected audience size. The CIFER '95 figures attached represent the Finance Chair's best estimate of income and expenses at this time. She anticipates a few unexpected expenses bringing the resulting actuals to about break-even. A full report will be prepared along with an audit report for CIFER '95 financials when all material outstandings are cleared. Though '95 budgeted expenses were quite close to actuals, CIFER '96 budget will benefit from our experience. The attached CIFER '96 budget is preliminary and to finalize the details further discussions are required with Meeting Management (MM), the hotel, and CIFER '95 and '96 Finance Chairs. Initial discussions with the hotel indicate that some of the conference costs will increase next year as will room rates. We have asked MM to help us negotiate better prices as they did last year. We anticipate that within one month, these negotiated costs as well as the '95 actuals will be better known, and at that time the details of the '96 budget can be put in place. One of the changes we have made to the budget is to increase the funds available for advertising for the Call for Papers -- we want to reach a broader audience to solicit more and better quality papers.

• **New Committee Chairs but with Continuity**

Many of the committee members from CIFER '95 will carry over to '96 providing continuity. So far the key members for CIFER '96 are:

Name	Committee Chair
Jack Marshall ('95)	Conference Co-Chair
Bob Marks ('95)	Conference Co-Chair
Steve Piche ('95)	Exhibits Chair
Robert Golan	Organizational Chair
Scott Mathews ('95)	Conference Relations Chair
Tom Schwartz ('95)	Publicity Chair?
Barbara Klemm ('95) & Meeting Management	Meeting Organizer

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Robert Golan, the CIFEr '96 Organizational Chair, is the author of one of the CIFEr '95 papers and assisted us greatly in organizing activities during the conference. I, Scott Mathews, believe he will be an effective organizational chair, and has already demonstrated his keen enthusiasm to make CIFEr '96 an outstanding success. He assisted in the organization of the International Conference on Rough Sets (Banff, Alberta, Canada, 1994). His recent master's thesis was on Stock Market Analysis Utilizing Rough Set Theory. He currently is a consultant providing data base applications. When seed funding is received, we will begin contacting other potential candidates for the remaining open chairs such as Program, Tutorial, and Finance. These are key positions, and we already received for nominees the names of several prominent people in the field of computational finance. Given the success of CIFEr '95, we anticipate no difficulty in recruiting renown people who also will be effective committee chairs.

• **Request for Sponsorship and Seed Funding**

For CIFEr '96 we are requesting to both the IAFE and the IEEE/NNC seed funding of \$20,000 each, representing a 50/50 participation. The IAFE provided to CIFEr '95 seed funding of \$10,000 for a 25% participation, with the IEEE/CS sponsoring an equal amount. We feel that the IAFE involvement in CIFEr '95 was so significant that we would like it to participate on equal footing with the IEEE and bring about the engineering/finance balance we wish to obtain for the conference. In turn we will not request seed funding from IEEE/CS, but rather we will seek their cooperation in helping promote CIFEr '96. Already the IAFE decided at its May 17 Board meeting to provide \$10,000 seed funding for CIFEr. The Board will consider the request for the additional \$10,000 seed funding once a review of its financial position is completed in mid-June. According to Jack Marshall the Board is nearly unanimous in its support of this additional commitment. We request a quick response from the IEEE. We would like to get started as soon as possible. Already the NNC Transactions on Neural Networks has offered CIFEr '96 ad space in its July edition for a Call for Papers.

Again, we would like to thank the IEEE for sponsoring CIFEr '95. We believe your 50% participation in CIFEr '96 will lead to another successful conference.

Cordially,

Robert Golan
CIFEr '96 Organizational Chair

Scott Mathews
CIFEr '95 Organizational Chair

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CIFEr '95 Income Statement (Preliminary)

Income	Actual	Budget	Variance
Tutorials	\$33,870	\$ 32,055	\$ 1,815
Conference	\$64,810	\$107,310	\$(42,500)
Luncheon	\$ 1,895	\$ 2,000	\$ (105)
Exhibitor	\$ 7,250	\$ 8,500	\$ (1,250)
Proceedings	\$ 175	\$ 3,000	\$ (2,825)
Total Regular Conference Income	\$108,000	\$152,865	\$(44,865)
Seed Funding (Loans)			\$ -
IEEE/NNC	\$20,000	\$ 20,000	\$ -
IEEE/CS	\$10,000	\$ 10,000	\$ -
IAFE	\$10,000	\$ 10,000	\$ -
Total Seed Funding	\$ 40,000	\$ 40,000	\$ -
Total Income	\$148,000	\$192,865	\$(44,865)
Expenses			
Exhibits	\$ 3,263	\$ 1,939	\$ 1,324
Social Functions			
Coffee Breaks	\$10,800	\$ 5,000	\$ 5,800
Reception & Lunch	\$10,600	\$ 11,000	\$ (400)
Other	\$ 180	\$ 300	\$ (120)
Total Social Functions	\$ 21,580	\$ 16,300	\$ 5,280
Administrative			
Audio-Video	\$ 4,920	\$ 4,920	\$ -
Meeting Management	\$18,000	\$ 18,000	\$ -
Posters	\$ 341	\$ 675	\$ (334)
Committee Expenses	\$10,044	\$ 12,100	\$ (2,056)
All Other Administrative	\$ 5,956	\$ 1,456	\$ 4,500
Total Administrative	\$ 39,261	\$ 37,151	\$ 2,110
Promotion	\$ 26,664	\$ 28,862	\$ (2,198)
All Other Conference Expenses			
Tutorials and Honorariums	\$ 7,381	\$ 10,200	\$ (2,819)
Reproduction and Phone	\$ 1,115	\$ 3,000	\$ (1,885)
Proceedings		\$ 10,138	\$(10,138)
Other Miscellaneous	\$ 5,178	\$ 6,100	\$ (922)
Total All Other Conference Expenses	\$ 13,674	\$ 29,438	\$(15,764)
Loan Repayment			
IEEE/NNC	\$20,000	\$ 20,000	\$ -
IEEE/CS	\$10,000	\$ 10,000	\$ -
IAFE	\$10,000	\$ 10,000	\$ -
Total Loan Repayment	\$ 40,000	\$ 40,000	\$ -
Total Conference Expenses	\$144,442	\$153,690	\$ (9,248)
Net Conference Income	\$ 3,558	\$ 39,175	\$(35,617)

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CIFEr '96 -- Proposal

March 24 - 26, 1996

New York City, Crowne Plaza Manhattan

Sponsors: The IEEE Neural Networks Council

The International Association of Financial Engineers

Conference Topics	
Financial Engineering Applications	Computer & Engineering Applications and Models
<ul style="list-style-type: none"> • Risk Management • Pricing of Structured Securities • Trading Systems • Forecasting • Hedging Strategies • Risk Arbitrage • Asset Allocation • Exotic Options 	<ul style="list-style-type: none"> • Neural Networks • Probabilistic Reasoning • Fuzzy Systems and Rough Sets • Genetic Algorithms • Stochastic Processes • Dynamic Optimization • Time Series Analysis • Non-linear Dynamics

<u>Date</u>	<u>Program and Paper Activity</u>
Oct. 20, 1995	Deadline for papers
Nov. 6	Send papers to reviewers
Dec. 15	Answers from reviewers & Program Committee
Dec. 22	Finalize program
Jan. 2 - 9	Notify authors
Jan. 9 - 16	Prepare papers for printing
Jan. 16 - March 15	Print CIFEr proceedings/final program
March 15	Ship proceedings/ program to conference
March 24 - 26	Conference
October	Publish book or video
	Direct Mail Activity
May/June. 1995	Design/print call for papers
June/September	Mailing first call for papers (20,000 brochures)
October	Design/print call for participation/conference registration
November/February 1996	Mailing call for participation/registration (20,000)
	Journal Advertising
June/September 1995	First call for papers, electronic publicity
September/January 1996	Second call for papers/participation/registration, electronic publicity
January 1995	Program/registration, electronic publicity

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CIFEr '96 -- Proposal

<u>Areas for Improvement</u>	<u>Action to be Taken</u>
<ul style="list-style-type: none">• Quality and quantity of submitted papers• Conference attendance• Tutorial quality• Corporate participation• Publicity• Proceedings• Reduce work burden on Organizational Chair• Invited speakers• Profitability	<ul style="list-style-type: none">• Larger share of publicity budget devoted to Call for Papers to encourage more submissions• Earlier publicity for Call for Participation• Thorough electronic publicity• Selection of reliable tutorial chair• Publish tutorial presentations• Select qualified tutorial presenters• Create Corporate Liaison committee• Encourage corporate participation/sponsorship• Appoint Publicity Chair early• Chair should be involved in publications field• Insist that all selected and invited papers be published in proceedings• Increase number of Organizational Committee members• Appoint Invited Speakers Chair• Invite speakers early• Publish presentations in proceedings• Effective and early publicity• Corporate financial underwriting (Goal of 4 firms)

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CIFEr '96 Budget Proposal (Preliminary)

Income	Quantity	Value	Price	Total
Conference Registration				
Early				
Member	70	\$ 400	\$ 28,000	
Non-Member	29	\$ 550	\$ 15,950	
Student	14	\$ 190	\$ 2,660	
Regular and On-site				
Member	109	\$ 450	\$ 49,050	
Non-Member	23	\$ 600	\$ 13,800	
Student	5	\$ 240	\$ 1,200	
Total Conference Registration	250			\$110,660
Tutorial Registration				
Early				
Member	60	\$ 350	\$ 21,000	
Non-Member	20	\$ 400	\$ 8,000	
Student	10	\$ 175	\$ 1,750	
On-site				
Member	30	\$ 400	\$ 12,000	
Non-Member	10	\$ 500	\$ 5,000	
Student	5	\$ 200	\$ 1,000	
Total Tutorial Registration	135			\$ 48,750
Corporate Underwriting	2	\$ 5,000	\$ 10,000	\$ 10,000
Luncheon	250	\$ 10	\$ 2,500	\$ 2,500
Exhibitor Fees				
Tables/Publishers	5	\$ 250	\$ 1,250	
Booths	15	\$ 500	\$ 7,500	
Total Exhibitor Fees	20			\$ 8,750
Publications				
Proceedings	100	\$ 30	\$ 3,000	\$ 3,000
Book or Video	?	?		
Seed Funding (Loans)				
IEEE/NNC			\$ 20,000	
IAFE			\$ 20,000	
Total Seed Funding				\$ 40,000
Total Income				\$223,660

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CIFEr '96 Budget Proposal (Preliminary)

Expense	Quantity	Value	Price	Total
Promotion				
Call for Papers	20,000		\$ 15,000	
Call for Participation	20,000		\$ 15,000	
Total Promotion				\$ 30,000
Conference Publication	350		\$ 7,000	\$ 7,000
Exhibits			\$ 5,000	\$ 5,000
Social Functions				
Coffee Breaks	6 x 250	\$ 9	\$ 13,500	
Reception & Lunch			\$ 15,000	
Other			\$ 500	
Total Social Functions				\$ 29,000
Administration				
Audio-Video			\$ 5,000	
Meeting Management			\$ 18,000	
Posters			\$ 500	
Committee Expenses			\$ 12,000	
All Other Administrative			\$ 6,000	
Total Administration				\$ 41,500
All Other Conference Expenses				
Tutorials and Honorariums	6		\$ 8,000	
Invited Speakers	6		\$ 5,000	
Reproduction and Phone			\$ 3,000	
Other Miscellaneous			\$ 6,000	
Contingency Reserve (15% of expenses)				\$ 20,175
Total Other Conference Expenses				\$ 22,000
Loan Repayment				
IEEE/NNC			\$ 20,000	
IAFE			\$ 20,000	
Total Seed Funding				\$ 40,000
Total Expenses				\$194,675
Net Conference Income (17.7% Surplus)				\$ 28,985

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Proposal to Establish a Home Page for the IEEE Neural Networks Council

Payman Arabshahi

Dept. of Electrical & Computer Eng.
University of Alabama in Huntsville
Huntsville, AL 35899

Email: payman@ebs330.eb.uah.edu

June 19, 1995

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1 Introduction

The Internet is a vast, global, network of networks interconnected with the Internet Protocol (IP). It started as a series of experimental attempts by the US Defense Advanced Research Projects Agency in the late 1960's, culminating in the ARPANET network. The first multinet network demonstration was in 1977, and the Internet as we know it really came into being in 1988 as the NSFNET backbone.

At present the Internet consists of more than 50,000 networks (with one new network being added every thirty minutes), over 5 million hosts, and 94 IP connected countries (with email service to 154). Its size has been doubling annually, and its composition is mostly along research (27%), educational (5%), and commercial (53%) lines.

Since 1992, with the advent of *NCSA Mosaic*, friendlier and more useful access to Internet resources has become the norm. The world wide web, for which *Mosaic* or *Netscape* is a "browser" or reader, includes true multimedia (audio, video, and image) documents, and accessing them is becoming easier by the day. In the coming months software for secure commercial transactions on the web will be introduced and will propel the web into the most high-tech information resource, and commercial marketplace in the world. Presently there are over 30,000 sites on the WWW, and this is doubling every 53 days. 18% of all Internet traffic is now due to the web, and this number is bound to grow rapidly over the coming years.

In short, the Internet (and the world wide web as its means of access) is the world's first global information superstructure. It has displayed phenomenal growth and is taking over or augmenting many other forms of communications. As one noted Internet expert once pointed out, in 1994, if you did not have an email address, you were nobody. In 1995, if your company or institution does not have a web page, you are nowhere. It is for these reasons, that we believe that it is very important for the IEEE Neural Networks Council to establish its presence on the net, and begin offering a variety of services to its members via this medium.

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2 Preliminary outline

The IEEE Neural Networks Council Home page will have the following tentative format:

1. A brief introduction to, and overview of the IEEE NNC charter and activities.
This will be prepared by the NNC President and will include pointers to the full NNC charter and a statement of purpose.
2. A list of the names and addresses of NNC AdCom members, as well as links to their personal home pages (if any).
3. Pointers to home pages of NNC Sponsored Conferences.
4. Pointers to the tables of contents (posted by IEEE) of NNC Publications.
5. A section for the IEEE Transactions on Neural Networks, listing abstracts and availability of papers in review.
6. A similar listing on the IEEE Transactions on Fuzzy Systems (if the TFS Editor is agreeable).
7. Other items in Computational Intelligence related to activities of the NNC or of interest to its members. These will include pointers to other neural network related home pages worldwide.
8. NNC News of meetings and other activities.
9. Other items as specified by the NNC President or NNC VP for Publications.
10. Statistics of home page usage and access.
11. Eventual establishment of a secure and secret voting system via the home page on matters related to the NNC.

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3 Editorial Responsibilities

The Editor-in-chief of the IEEE NNC home page shall

- (a) Set up and initialize the NNC home pages in a timely manner. This will include
 - Selecting a home page site: <http://www.ee.washington.edu/nnc>.
 - Coordinating NNC home page listing with IEEE Home Pages.
 - Publicizing the NNC Home Page through internet listings including the *Connectionists* mailing list.
 - Approaching the Chairs of NNC Sponsored Conferences and coordinate inclusion of their material on the NNC Home Page.
 - Approaching Editors of the TNN and TFS to publish availability of the home page in their publications.

- (b) Edit and be managerially responsible for the IEEE NNC Home Pages. This will include
 - Continuous updates and improvements to the home page.
 - Being responsive and prompt to comments and suggestions by users and NNC members regarding changes and/or updates to the home page.
 - Making sure the home page is easily accessible to all, and working towards ensuring a high degree of reliability for the home page, both in terms of connection to it, and accuracy of its contents.

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4 Proposed Budget

The proposed budget includes mostly secretarial assistance in setting up the home page, and funds for overall system management and technical support:

1995 Budget

Secretarial Assistance & Technical Support	\$2000
--	--------

1996 Budget

Secretarial Assistance & Technical Support	\$3000
Travel to one NNC AdCom Meeting	\$ 750

Biographical Sketch

Payman Arabshahi obtained his B.S. in Engineering from the University of Alabama in Huntsville in 1988, and his M.S. and Ph.D., both in Electrical Engineering, from the University of Washington in 1990 and 1994 respectively. His research interests are in fuzzy systems, fuzzy control and diagnosis, and digital signal processing. Since September 1994 he has been a visiting faculty member at the University of Alabama in Huntsville, engaged in a number of research projects in fuzzy control and pattern recognition. Dr. Arabshahi is a member of IEEE and the Informatics Society of Iran.

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This work can be initiated as soon as approval by NNC is granted. Estimated completion by end of July.

SECOND PHASE: WORK COMPLETION

The home page will be completed with information provided by NNC as described above. This work is labor intensive and will require some initial clerical support for data entry.

The second phase is expected to be completed by end of August.

THIRD PHASE: MAINTENANCE

The home page will be maintained and updated as information is generated. This work is expected to arrive in bursts, but on the average it is not expected to be substantial.

This phase will be an on-going effort. Responsibility of this work may also be passed onto a clerk.

EXPERIENCE:

Reformatted official pages at Dartmouth College.
Assistant webmaster beginning with 1995-96 academic year.
Generated, registered and cataloged the following home pages:

- a. <http://www.ot.com/lesmis/>
- b. <http://www.ot.com/sting/>
- c. <http://geminga.dartmouth.edu/~billk/dw/>
- d. <http://mmm.dartmouth.edu/pages/wsk/index.html>

Asked to generate home page by Wall Street Journal.

Currently with Dartmouth College.

COST

First Phase: \$500 (+\$300 for an IEEE site visit-if necessary)
Second Phase (including clerical support for data entry of up to 20 double spaced pages):
\$700
Third Phase: \$150/month (up to 20 double-spaced pages of data). Free of charge if NO data entry.

Method of payment: at the end of each phase a statement will be issued to the NNC financial officer for payment of work completed, or part thereof.

- 1 -

NNC on WWW PROPOSAL

by

William S. Kartalopoulos
(908)-735-8008
wsk@dartmouth.edu

<http://mmm.dartmouth.edu/pages/wsk/index.html>

My proposal entails the following: The NNC will have its own web page on the IEEE server. Once permission to access the server is granted, then the page can be set up and updated anytime using any terminal anywhere in USA (and perhaps the world).

The NNC home page will include IEEE and NNC logos in color (possibly a sound strip iff NNC selects one), and AT MINIMUM the following linked pages:

1. NNC organization - names, photos and affiliation of ExCom members, and committees
2. Membership information - membership statistics, registration (if a Society)
3. Chapter/RIG information - information of interest to chapters and RIGs.
4. Committee information - E.g. PubCom, StandardsCom, NNCom, FLCom, etc.
5. Publications (TNN, TFS) - editorial board, subscription, upcoming special issues, guidelines to authors, news items
6. Published Books sponsored by NNC - short abstract, pricing and purchasing information
7. Videos sponsored by NNC - titles, pricing and purchasing information
8. Upcoming Conferences sponsored by NNC - dates, place (possibly photos), contact persons, registration information, call for papers information.
9. Newsletter - brief and concise information of interest to the NNC membership and membership at large. E.g. upcoming events, talks, headlines concerning ANNs, FL, EP, VR, and in general CI, and many more; bimonthly or quarterly
10. Hyperlink to IEEE web page.

FIRST PHASE: SET UP

Initially, the home page with the appropriate links and minimal information (items 1-3) will be set up. The URL will be registered and cataloged in YAHOO. A link will be set up between IEEE home page and NNC; i.e. the NNC home page can be accessed via the IEEE home page <http://www.ieee.org/>



IEEE OPERATIONS CENTER
THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

445 HOES LANE, P.O. BOX 1331, PISCATAWAY, NJ 08855-1331, USA TEL. (908) 981-0060 TELEX 833233 FAX: (908) 981-0027

February 17, 1995

DIRECT NUMBER (908) 562-
3972

TO: IEEE Transactions/Journal Technical Editors
FROM: Robert Colburn, Publishing Services *RC*
SUBJECT: Annual Survey of IEEE Transaction/Journal Editors

Attached is the questionnaire form for the Annual Survey of IEEE Editors, which is prepared at the request of the TAB Periodicals Council. Last year's survey reaped useful information that we shared with the entire Panel of IEEE Technical Editors at its meeting last Summer; as well as with the TAB Periodicals Council. We are planning to be able to do the same at this year's meeting.

You will note that we ask for information from two years back as well as the immediate past year, information which you may have already supplied to us in last year's survey. The reason is to allow information that may have been tentative or incomplete last year to be updated, as well as to capture information from a journal that may not have been able to respond. If the 1994 information is accurate from last year's survey, you may simply indicate so, and we will supply it.

Please provide the information requested in the questionnaire and return the form in the enclosed postage paid envelope for arrival at the IEEE by April 4th to enable us to collect, compile, analyze, and present the information. Thank you for your help.

Attachment - Questionnaire Form
Enclosure - Return Postage Paid Envelope

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PLEASE RETURN BY APRIL 4 TO: Robert Colburn
IEEE Publishing, 445 Hoes Lane, Piscataway, NJ 08855

IEEE TRANSACTIONS/JOURNALS QUESTIONNAIRE
Data on 1993/1994 Publications

1. Title of Publication:

IEEE Transactions on Neural Networks

2. How many manuscripts were reviewed for your publication
in 1993/1994?: 526 / 401 (Including Special Issues,
Book Reviews, Editorials, Ads)

3. How many manuscripts were accepted or conditionally
accepted in 1993/1994?: 82/249 / 30/134 ← Action by me

4. What was your page/papers situation in 1993/1994?:

Not enough papers available? /

Not enough pages available? X / X

Balance about right? /

5. If balance was not right, what steps do you think should
be taken to correct the situation? Please note below. (Use
additional paper if needed.)

We increased page limit in 1995

6. How many reviewers usually evaluated each paper in
1993/1994?: 3 / 3

7. What was the average time in weeks for the first complete
round of reviews in 1993/1994?: 5mo / 5mo (estimate)

8. What was the average time in weeks from receipt of final
accepted manuscript to date of publication in 1993/1994?:

1 YR / 1 YR

9. To what extent are the volunteer editors and associate
editors involved in editorial activities of other
publications (either IEEE or other organization)?

UNKNOWN.

10. What percentage of applications-oriented papers do you
estimate are submitted to your Transactions?

40% (estimate)

11. What percentage of manuscripts are received electronically?

0

12. What reactions have you had to IEEE's converting to electronic publishing?

Does it save us money?

13. What, if any, publications-related issues, problems, concerns, etc. do you have? (Please note below, or attach additional sheet as needed.)

Page charges & reprints
promised but not paid

PRINT NAME: R. J. Marks II

SIGNATURE: 
Thank you for your help!

DATE: 4/4/95

James C. Bezdek

Computer Science
Univ. of West Florida
Pensacola, FL 32514

Tel. (904) 474-2784
Fax. (904) 474-3023
jbezdek@uwf.bitnet



Walter Karplus, President
IEEE Neural Networks Council
3732 Boelter Hall
UCLA
Los Angeles, CA 90024-159

Attached : A tabular summary of the active MINUTES OF THE IEEE NEURAL NETWORK COUNCIL (NNC) MEETINGS COMMITTEE, for inclusion in the ADCOM book for the June 22, 1995 meeting of our ADCOM in Washington, D.C. The complete minutes will be distributed to the meetings committee at the meeting in June.

An important change to the organization of the meetings committee that was moved and passed on March 11, 1995 that I want to appear in the summary minutes for the meetings committee is the following:

Motion : Henceforth, the chairs of all NNC technical committees are voting members of the meetings committee. And all conference proposals submitted to the meetings committee must have prior approval of the relevant NNC technical committee.

Vote : Approved unanimously.

With the VP for conferences as chair (Bezdek), the VP for finance (Bonissone) and the President of the NNC (Karplus), this makes a committee whose default size is presently 8 (technical committees are in NNs, Fuzzy Sets, EC, VR and CE). Additional members of the meetings committee may be appointed by the VP for conferences. At present there are 3 : Bob Marks, Karen Haines and Roy Nutter, whose terms all expire on Dec. 31, 1995.

Respectfully submitted,

Jim Bezdek 5/10/95
Jim Bezdek
VP for Conferences, NNC

Active Minutes and Email transactions of the Meetings Committee of the IEEE NNC : May 10, 1995 : p. 1

Active Minutes of the NNC Meetings Committee

	Name	In-Attendance please check	Location : Sheraton Hotel, Raleigh, NC, March 11, 1995	Email Address
1-v	Jim Bezdek, VP	✓	NNC Meetings Committee, Chair	jbezdek@ai.uwf.edu
2-v	Piero Bonissone		NNC Treasurer, NNC meetings committee	bonissone@crd.ge.com
3-v	Karen Haines	✓	NNC meetings committee	karen@eece.unm.edu
4-v	Bob Marks	✓	Editor, Trans. NN, NNC meetings committee	marks@u.washington.edu
5-v	Roy Nutter		NNC Meetings Committee	rce@rti.rti.org
6-v	Walter Karplus	✓	President, IEEE NNC, NNC meetings committee	karplus@cs.ucla.edu
7-v	Z. Michalewicz	✓	NNC meetings committee (proxy for D. Fogel)	zbyszek@mosaic.uncc.edu
9	Pat Simpson	✓	GC, WCCI - 1998	xm8%sdcc12.UCSD.EDU@sdsc.bitnet
10	Steve Bryson	✓	GC, VRAIS - 1996	
11	Antti Koivo	✓	Member, NNC ADCOM	
12	Peggy Looney	✓	Anchorage Convention Bureau	
13	Toshio Fukuda	✓	GC, ICEC - 1996	fukuda@mein.cc.nagoya-u.ac.jp
14	S. Kartolopoulos	✓	NNC Adcom, Pub. committee chair	svk@hotid.att.com
15	Mary Lou Padgett	✓	NNC Standards committee chair	m.padgett@ieee.org
16				
17				
18				
19				
20				
22				

Summary of meetings of the IEEE NNC

Dates	Meeting and Location	Sponsorship	Final Income	Final Expenses	Revenue Split	Seed \$ Paid	Seed \$ Repaid	Notes
March 8-12, 1992	FUZZ-IEEE, San Diego, Jim Bezdek	90 % NNC 10 % Local IEEE	276,682	176,944	89,763 9,973	30K	30K	Closed
June 6, 1992	Cogann Forum, Baltimore Russ Eberhart	100% NNC	9,230	7,327	(1097)	3K	1.903K	Closed
June 7-10, 1992	IJCNN, Baltimore Cliff Lau	45% NNC 5% IEEE Local 50% INNS	483,270	325,087	157,626 70,932= NNC 7,881=local 78,813=INNS	50K	50K	Closed
October 7-10, 1992	Rostov on the Don Forum, Rostov (Russia), Wes Snyder	100 % NNC	20,400	21,373	(10,669)	11K	0	Closed. Proc. Sales made up part of the loss after closure.
Nov. 3-9, 1992	IJCNN, Beijing, Zha Shong	50% INNS (lead) 50% NNC	Unknown	Unknown	None	0	0	Closed. This meeting occurred during the period when the IEEE and INNS were divorcing. The INNS never sent us any accounting on this meeting.
March 28-April 1, 1993	FUZZ-IEEE & ICNN San Francisco, Enrique Ruspini	Formula for split between NNC and INNS	623,844	512,400	108,498 93,721=NNC 14,777=INNS	102K	102K	Pending IEEE closure 1221 registrants 60 % = ICNN = 733 733-400 = 333 ICCN \$ (>400)=\$29,555 INNS \$ \$29,555/2=\$14,777
September 18-22, 1993	VRAIS, Seattle Tom Caudell	100% NNC	212,810	138,395	74,415	80K	80K	Pending IEEE closure

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October 25-29, 1993	IJCNN, Nagoya Toshio Fukuda		878,346	849,380	28,966	0	0	Closed
		33.3 % NNC 33.3 % INNS 33.4 % Japan			9,646= NNC 9,674=INNS 9,646=Japan			
June 9-10, 1994	NNC Forum : VR/Persons with Disabilities, San Francisco Harry Murphy	50 % : NNC 50 % : Cal State Northridge	pending	pending	pending	4.485K	0	Final audit in progress
June 24 - July 1, 1994	WCCI, Orlando WCCI : Charles Robinson ICNN : Steve Rogers ICEC : Michalewicz Zbigniew FUZZ : Piero Bonissone	100 % NNC	pending	pending	pending	150K 40K 20K 25K	150K 40K 20K 25K	Final audits in progress
March 11-15, 1995	VRAIS, Raleigh-Durham, NC David Mizell	50 % : NNC 50 % : IEEE CS	≈ 154K	≈ 184K	≈ 15K ≈ 15K	23.797K 23.797K	23.797K 23.797K	Final audits in progress
March 20-24, 1995	FUZZ -IEEE/IFES, Yokohama, Japan Michio Sugeno	No financial connection for the NNC	pending	pending	pending	0	0	
April 9-11, 1995	CIFER, New York City Scott Matthews	50 % : NNC 25% : IEEE CS 25% : IAFE	pending	pending	≈ 2K ≈ 1K ≈ 1K	20K 10K 10K	0	Final audits in progress
Date	Meeting General Chair	Split	ADCCM Status	Proposed Surplus	Seed \$ Approved	Seed \$ Paid Out		Notes
Nov. 26-Dec. 2, 1995	ICNN, Perth, Australia Yiannis Attikiouzel	100 % NNC	Approved Sept. 18, 1993	26.17K	35	35		
Nov. 30-Dec. 2, 1995	ICEC, Perth, Australia Yiannis Attikiouzel	100 % NNC	Approved Jan. 22, 1994	29.36K	10	10		
March 30-April 3, 1996	VRAIS, Santa Clara Steve Bryson	50 % NNC 50 % IEEE CS	Pending - email Vote by ADCOM	23.522K 23.522K	7.5 K 7.5K	0		
May 20-22, 1996	ICEC, Nagoya, Japan Toshie Fukuda	60 % NNC 40 % SICE	Approved 4/15/95 - email	1,185 K ¥ 790 K ¥	0	0		

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June 2-6, 1996	ICNN, Washington D.C. Benjamin Wah	100 % NNC	Approved July 2, 1994	35.95K	40	12		
Sept. 7-11, 1996	FUZZ-IEEE , New Orleans Fred Petry	100 % NNC	Approved Sept. 18, 1993	30K	45	20		
June 30-July 5, 1997	FUZZ-IEEE, Barcelona, SP Ramon de la Mantaras	100 % NNC	Approved 4/15/95 - email	48.25K	0	0		
May 4-9, 1998	WCCI, Anchorage, AK Pat Simpson	95 % NNC 5 % IEEE local	Approved 4/15/95 - email	264K 14K	0	0		

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DATA LINK

JUNE 1995

Fax (206)644-2507

IEEE Seattle Section, 4122 128th Avenue SE, Suite 100, Bellevue, WA 98006, 644-1887

INDUSTRY APPLICATION SOCIETY (IA-34)
Snoqualmie Generating Station

Date: Tuesday, June 20, 1995

Place: Tour of Puget Power's Snoqualmie Generating Station with Dinner at Mitzel's in North Bend

Time: 5:00 pm Mitzel's for dinner in North Bend (note early time)
 6:30 pm Meet at Salish lodge, group for tour
 7:00 pm Tour at Generating Station

The Snoqualmie Generating Station is an integral part of the Puget Sound power system. This tour offers an opportunity to view the present alongside the past in system technology. The tour will be lead by representatives of Puget Power.

Dinner will be at Mitzel's American Kitchen in North Bend. It will be a la carte. The address is 580 Mt. Si Blvd., phone 206-888-5250. Travel east on I-90, get off at Exit 31. You should see the restaurant from the freeway.

Please call Louisa Pardo at 557-3026 by noon, Monday, June 19 for reservations. Space in the tour will be limited, and we need to advise the restaurant to help them serve us quickly.

OCEANIC ENGINEERING SOCIETY (OE-22)

Open House at the Northwest Regional Calibration Center
 300 120th Avenue NE in Bellevue - 455-1999

Thursday, June 15, 1995 - 6-10 p.m. - \$7.50 per person

BBQ Sausage, coldcuts, salads, baked beans, keg of micro-beer, wine, pop, and more!

This meeting will be an informal celebration of another successful year of excellent MTS/IEEE meetings, so we are giving the program chairman the night off! Bring spouses and/or colleagues to share in the fun. NRCC staff will be cooking the sausages and conducting tours.

See where and how pressure, temperature, and salinity sensors are calibrated. Pressure-test your personalized coffee cup. Tour the NWRA hydrodynamics laboratory (to be featured on Bill Nye the Science Guy on May 24, Channel 9). Watch underwater vortex rings interact.

The Northwest Regional Calibration Center is a NOAA-owned, contractor-operated laboratory created in 1972 for the purpose of calibration of oceanographic instrumentation. NRCC is an MTS institutional sponsor.

RSVP: Dr. Frank Hughes' voicemail - 523-4680 by Monday, June 12, 1995. DIRECTIONS: From I405 - take the NE 8th eastbound exit in Bellevue, go east to 120th Ave NE (2nd light) Turn south onto 120th and proceed 3 blocks. Just past the schoolbus parking lot, turn right. Welcome!

OCEANS '95 MTS/IEEE
 "Challenges of Our Changing Global Environment"
 October 9-12, 1995 - San Diego, CA
 For information locally, call Ed Early, 525-2578

MONTHLY EVENTS:

SOCIETY MEETINGS:

AES-10
 No Meeting Scheduled

CAS-4
 No Meeting Scheduled

COM-19
 No Meeting Scheduled

COMP-16
 Thursday, June 22

EMC-27
 No Meeting Scheduled

EMB-18
 No Meeting Scheduled

IA-34
 Tuesday, June 20

MTT-17
 No Meeting Scheduled

OE-22
 Thursday June 15

PE-31
 Tuesday, June 27

PEL-35
 No Meeting Scheduled

PC-26
 Thursday, June 8

Fuzzy Logic Interest Group
 Monday, June 26

Videoconference
 None Scheduled

Pace Meeting
 None Scheduled

**FUZZY LOGIC AND NEURAL NETWORKS
INTEREST GROUP**

*Interactive Simulation of Neural Networks, Fuzzy Controllers
& Dynamic Systems*
by Granino A. Korn, Ph.D.
G.A. and T.M. Korn Industrial Consultants

Date: Monday, June 26, 1995
Time: 7:00 p.m. Social Time
7:30 p.m. Presentation
Place: Puget Power Auditorium
10608 NE 4th Street, downtown Bellevue

Discussion of hands-on experiments with dynamic systems, neural networks and fuzzy-logic controllers, including combinations of all three. DESIRE (Direct Executive SIMulation in REal time) permits truly interactive experiments without the usual annoying time delays imposed by FORTRAN compilation and linking. Neuron-layer interconnections and fuzzy-logic membership functions linking. Neuron-layer interconnections and fuzzy-logic membership functions are described in a readable matrix language much like ordinary mathematical notation. An interpreted experiment-protocol program, similar to an advanced BASIC dialect, sets parameters and initial conditions and calls simulation runs, whose time-critical code is compiled within 100 msec by a built-in, extra fast compiler and executes at once. DESIRE handles matrices, complex frequency-response plots, and fast Fourier transforms and includes graphics, two screen editors, and a simple debug/trace facility.

DESIRE can solve up to 2000 ordinary differential equations or 100 stiff equations with a variety of integration rules, plus matrix difference equations for up to 20,000 synapses. DESIRE simulations readily combine dynamic systems, neural networks, and fuzzy-logic controllers. Double-precision code runs on Sun SPARCstations and on 386/7, 486, and Pentium personal computers; a small student version also runs on 16-bit (286/7) personal computers. A special version (DESIRE/C) generates ANSI C source code for neural networks during simulations.

A slide presentation and computer demonstrations exhibit some neural-network algorithms, such as associative memories, backpropagations, unsupervised competitive learning, character recognition, counterpropagations, and signal prediction; and the design of a very accurate fuzzy-logic controlled servomechanism.

Granino Arthur Korn graduated from Brown University and Columbia University. Dr. Korn was a Professor of Electrical Engineering at the University of Arizona, where he directed the Computer Engineering Research Laboratory. He took early retirement in 1983 to return to full time software development and consulting. G.A. and T.M. Korn Industrial Consultants develops software and designs systems for interactive dynamic system simulation.

Dr. Korn and his wife have authored 13 books and over 100 technical papers. His latest book is *Neural Networks and Fuzzy-logic Control on Personal Computers and Workstations*. Dr. Korn is a Fellow of the IEEE.

PROFESSIONAL COMMUNICATIONS SOCIETY (PC-26)

Date: Thursday, June 8, 1995
Time: 6:00 p.m.
Place: UW, Loew Hall, Room 355

Refreshments will be served, so please RSVP with Margaret Garner at 522-7998 or email mg@u.washington.edu.

**NORTHWEST ARTIFICIAL INTELLIGENCE FORUM
2nd Northwest AI Expo**

Date: Saturday, June 10, 1995
Place: College Club, 505 Madison in Seattle.

This expo is open to the general public, and features vendors of AI software, AI hardware, and related technologies. For information contact the NaiF information line: 206/820-4051.

PACE CORNER

The Seattle Section of the IEEE PACE Committee is seeking a Section Representative and Assistant Representative to the Architects & Legislative Council. If interested in becoming an formed voter while providing a valuable service to IEEE members statewide, contact Steve Brown at 206/454-6363 ext. 81-5299 in regards to serving as 1995/96 AELC Representative or Assistant for the Seattle Section of IEEE.

**1995 AMERICAN CONTROL CONFERENCE
June 21-23, 1995 - Seattle Westin Hotel**

The 1995 American Control Conference, held in cooperation with IFAC and cosponsored by AIAA, AIChE, ASME, IEEE, ISA, and SCS, will have over 1000 technical papers presented to reflect the rapid growth and strong interest in the field of control engineering. The program features strong representation in applications areas such as aerospace, robotics, and process control, and in the theoretical areas such as estimation, robust control and artificial intelligence. Plenary speakers are Dr. E. Stear of the Boeing Company, Professor K. Poolla of the University of California at Berkeley, and Dr. I.D. Landau of G.R. Automatique.

The conference will be preceded by seven tutorial workshops which will be held June 19 and 20. The December 1994 issue of the IEEE Control Systems Magazine has detailed descriptions of these workshops.

For any other information, please contact the General Chair, Masayoshi Tomizuka, Dept. Mechanical Engineering, University of California, Berkeley, CA 94720. 510/642-0870 email tomizuka@euler.berkeley.edu.

**THE COMPUTER SOCIETY (COMP-16) AND THE
PUGET SOUND CHAPTER OF ACM**

Genetic Algorithms: Concepts, Tools and Applications
by: *Mathew Johnson, Axcelis Corporation*

Date: Thursday, June 22, 1995

Time: 7:30 p.m.

Place: Puget Power Auditorium, 10608 NE 4th in
downtown Bellevue

Genetic algorithms are a relatively recent technique, now beginning to emerge as a practical and robust method for solving search and optimization problems. The original algorithm was set down by Holland in 1975 and has undergone significant development and refinement since that time. It is of significant interest now that tools are being developed and are commercially available to implement the method so one need not start from scratch in using this technique. Axcelis Corporation is one of the leaders in this field, receiving favorable reviews from articles in IEEE-Computer and quite recently in NewsWeek magazine. Their Evolver product works from a model of a system in a spreadsheet. After the user fills in the dialog box with the requisite information, the program sets to work developing an optimal solution. The speaker will review other products as well and discuss applications to which these products have been applied.

This talk should be of interest to engineers whose work contains optimization elements and to most programmers and analysts in both business and science/engineering.

Our speaker, Mathew Johnson, is one of the founders of Axcelis Corporation and a programmer with an extensive background in artificial intelligence. He has helped develop applications in Neural Networks and Fuzzy Logic, in addition to his development efforts in the Evolver product of Axcelis. Mathew holds a BA degree in computer science.

A speakers dinner is planned at Spazzo's Restaurant in Bellevue, across from Puget Power, at 6pm. Please contact Pete Fox to make reservations for dinner, or for any questions concerning the meeting - 206/885-9766.

ENGINEER-IN-TRAINING COURSE

Offered by Cogswell College

Cogswell College North will provide a college credit Engineer-in-Training review course consisting of ten, four-hour sessions beginning June 24, 1995. Anyone interested in learning more about the review of the October 1995 EIT examination may call the College in Kirkland at 822-3137.

Cogswell offers the following degree programs: Bachelor of Science in Electrical Engineering, Computer Science, and three fields of Engineering Technology: computer, electronics, and mechanical. All classes are held in the evening with some Saturday classes. Call for more information.

NEW EDITOR FOR DATA LINK

Beginning with the next (September 1995) issue of the Data Link, Dave Allaway will take over as editor. Longtime members of the Seattle Section will recall that Dave edited the newsletter several years ago; more recently, he has coordinated the Section's annual PE refresher course. Please see the last page of this issue for Dave's mailing and e-mail addresses, and also for his fax and phone numbers. The deadline for the September issue is August 10, 1995.

It's been a pleasure serving you as the Data Link Editor for the past two years. I will continue to serve the Seattle Section as Secretary in 1995-96. Thanks to everyone who helped me to get the Link out to over 4,000 members every month - especially Barb Woodward in the Section office.

-Kevin De Angelis

JOB OPPORTUNITY

*Manufacturing Specialist-2/*Electrical*

Position Function/Purpose: develops, implements, evaluates manufacturing methods based upon knowledge of product design, materials, fabrication processes, tooling and production equipment, assembly methods, and quality control standards. Actively contributes to the Manufacturing Engineering team.

*Responsibilities include implementation of automation and controls, electrical troubleshooting support, cost reduction, product introduction, and design.

Position Reports to: Manufacturing Engineering Manager

*Special Requirements: Bachelor of Science in electrical engineering and a minimum of two years experience in electrical hardware/software manufacturing, automation, controls, C programming, analog and digital circuitry, and networked databases.

Applicants will be contacted for interview if qualified. Position title and/or requisition number must be referenced on resume and/or cover letter.

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**1994-1995
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P-3/MICROWAVE THEORY
& TECHNIQUES, MTT-17**
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Andrew Yang
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COMMUNICATIONS, COM-19
Ching Chuang
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COMPUTER, COMP-16
Swam Kumar
(206) 234-8868/Fax 234-9008

**ELECTROMAG
COMPATIBILITY, EMC-27**
Rick Covill
(206) 657-2743/Fax 644-2407

**ENGINEERING IN MEDICINE
& BIOLOGY, EMB-18**
Ming Li
(206) 557-1864/Fax 557-1200

**INDUSTRIAL APPLICATIONS,
IA-34**
Dennis Bough
(206) 557-3039/Fax 557-3025

**NEURAL NETWORK AND
FUZZY LOGIC, NN-11**
Tyler Folsom
(206) 872-9500/Fax 872-8967

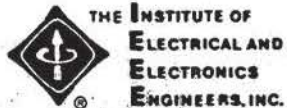
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OE-22**
Ed Early
(206) 525-2578/Fax 525-2578

**POWER ELECTRONICS,
PEL-35**
David MacLean
(206) 657-7217/Fax 657-8167

POWER ENGINEERING, PE-31
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CALL FOR PAPERS

The Seattle Chapter of the Society of Broadcast Engineers is having their 17th Annual Electronic Media Expo October 18-19, 1995, and is looking for technical papers to present as part of the seminar.

Appropriate papers would have a practical approach to a problem from engineers to an audience of:

- operating systems engineers
- applications engineers
- management people

Papers will have to pass a committee review in order to be presented. Please submit your paper to: SBE c/o TLA, 4122 128th Avenue SE, Suite 100, Bellevue, WA 98006.

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DATA LINK ARTICLES

Materials for the DATA LINK must be received by the 10th of each month.

Editor: Dave Allaway
c/o Puget Power
PO Box 97034, OBC-12N
Bellevue, WA 98009-9734
Phone (206)462-3043
Fax (206)462-3347
email allaway@puget.com

POWER ENGINEERING SOCIETY (PE-31)

*Puget Power's Cable Replacement Program
by: Carol Jaeger, Sr. Engineer, Puget Power*

Date: Tuesday, June 27
Time: 7:00 p.m.
Place: Puget Power Auditorium, 10608 NE 4th

Puget Power developed an extensive cable replacement program in 1990 in response to the increasing level of failures experienced in 15kV HMW cables. During this presentation, the analysis of the problem will be discussed, along with an economic analysis of the options for dealing with the cable failures. Puget Power now replaces over 100 miles of HMW cable each year in a carefully monitored program.

Questions: Contact Dix Fulton, 684-3034 or John Nierenberg, 454-6363

- Please send me an IEEE application
- Please have someone call me regarding the benefits of IEEE membership

Name _____

Address _____

Phone _____

Mail to: IEEE Seattle Section
4122 128th Ave SE, Suite 100
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NNC 1996 BUDGET (Assuming TNN Split & Society)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN-1 (304 pages)						
IEEE Member-Sponsoring Soc.	18.00	5500	99.00			• Assum. TNN Split Appr.
IEEE Member-Non-Spons. Soc.	26.00	450	11.70			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-1 TOTAL			285.79	237.70	48.09	
TNN-2 (304 pages)						
IEEE Member-Sponsoring Soc.	18.00	5500	99.00			• Assum. TNN Split Appr.
IEEE Member-Non-Spons. Soc.	26.00	450	11.70			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-2 TOTAL			285.79	237.70	48.09	
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	18.00	6100	109.80			
IEEE Member-Non-Spons. Soc.	26.00	204	5.30			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			200.10	148.00	52.10	
Newsletter			0.00	5.00	(5.00)	• Assuming Society Appr.
Subtot. Trans & News			771.68	628.40	143.28	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	• Should be closed in 95
ICNN 95			26.10	0.00	26.10	• Should post profit in 96
ICEC 95			29.30	0.00	29.30	• Should post profit in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	
FUZZ 96			0.00	0.00	0.00	• Should post profit in 97
ICEC 96			11.85	0.00	11.85	
FUZZ 97			0.00	0.00	0.00	• Should post profit in 97
WCCI-98			0.00	0.00	0.00	• Should post profit in 98
Subtot. Conf. & Meet.			103.15	21.00	82.15	

BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Membership Fee	7.00		0.00	0.00	0.00	• Assuming Society Appr.
Society Membership Handl.			0.00	10.00	(10.00)	• Assuming Society Appr.
Interst Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Subtot. Others			26.00	119.50	(93.50)	
Subtot. Trans & News			771.68	628.40	143.28	
Subtot. Conf. & Meet.			103.15	21.00	82.15	
Subtot. Others			26.00	119.50	(93.50)	
TOTAL			900.83	768.90	131.93	

NNC 1996 BUDGET (Assuming No TNN Split & Society)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN (1608 pages)						
IEEE Member-Sponsoring Soc.	26.00	7193	187.02			
IEEE Member-Non-Spons. Soc.	39.00	458	17.86			
Non IEEE Member	360.00	570	205.20			
APP			80.00			
Voluntary page charges	110.00	219	24.09			
TNN TOTAL			514.17	450.40	63.77	
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	18.00	6100	109.80			
IEEE Member-Non-Spons. Soc.	26.00	204	5.30			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			209.10	148.00	52.10	
Newsletter			0.00	5.00	(5.00)	Assuming Society Appr.
Subtot. Trans & News			714.27	603.40	110.87	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
IOEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	
ICNN 95			26.10	0.00	26.10	• Should post profit in 96
IOEC 95			29.30	0.00	29.30	• Should post profit in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	
FUZZ 96			0.00	0.00	0.00	• Should post profit in 97
IOEC 96			11.85	0.00	11.85	
FUZZ 97			0.00	0.00	0.00	• Should post profit in 97
WCCI-98			0.00	0.00	0.00	• Should post profit in 98
Subtot. Conf. & Meet.			103.15	21.00	82.15	

BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Membership Fee	7.00		0.00	0.00	0.00	• Assuming Society Appr.
Society Membership Handl.			0.00	10.00	(10.00)	• Assuming Society Appr.
Interst Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Subtot. Others			26.00	119.50	(93.50)	
Subtot. Trans & News			714.27	603.40	110.87	
Subtot. Conf. & Meet.			103.15	21.00	82.15	
Subtot. Others			26.00	119.50	(93.50)	
TOTAL			843.42	743.90	99.52	

NNC 1996 BUDGET (Assuming TNN Split & Council)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN-1 (804 pages)						
IEEE Member-Sponsoring Soc.	18.00	5500	99.00			• Assum. TNN Split Appr.
IEEE Member-Non-Spons. Soc.	26.00	450	11.70			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-1 TOTAL			285.79	237.70	48.09	
TNN-2 (804 pages)						
IEEE Member-Sponsoring Soc.	18.00	5500	99.00			• Assum. TNN Split Appr.
IEEE Member-Non-Spons. Soc.	26.00	450	11.70			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-2 TOTAL			285.79	237.70	48.09	
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	18.00	6100	109.80			
IEEE Member-Non-Spons. Soc.	26.00	204	5.30			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			200.10	148.00	52.10	
Newsletter			0.00	0.00	0.00	
Subtot. Trans & News			771.68	623.40	148.28	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	
ICNN 95			26.10	0.00	26.10	• Should post profit in 96
ICEC 95			29.30	0.00	29.30	• Should post profit in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	
FUZZ 96			0.00	0.00	0.00	• Should post profit in 97
ICEC 96			11.85	0.00	11.85	
FUZZ 97			0.00	0.00	0.00	• Should post profit in 97
WCCI-98			0.00	0.00	0.00	• Should post profit in 98
Subtot. Conf. & Meet.			103.15	21.00	82.15	

BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Interst Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Subtot. Others			26.00	109.50	(83.50)	
Subtot. Trans & News			771.68	623.40	148.28	
Subtot. Conf. & Meet.			103.15	21.00	82.15	
Subtot. Others			26.00	109.50	(83.50)	
TOTAL			900.83	753.90	146.93	

NNC 1996 BUDGET (Assuming No TNN Split & Council)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN (1608 pages)						
IEEE Member-Sponsoring Soc.	26.00	7193	187.02			
IEEE Member-Non-Spons. Soc.	39.00	458	17.86			
Non IEEE Member	360.00	570	205.20			
APP			80.00			
Voluntary page charges	110.00	219	24.09			
TNN TOTAL			514.17	450.40	63.77	
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	18.00	6100	109.80			
IEEE Member-Non-Spons. Soc.	26.00	204	5.30			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			200.10	148.00	52.10	
Newsletter			0.00	0.00	0.00	
Subtot. Trans & News			714.27	598.40	115.87	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VRVDisab			0.00	21.00	(21.00)	
ICNN 95			26.10	0.00	26.10	• Should post profit in 96
ICEC 95			29.30	0.00	29.30	• Should post profit in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	
FUZZ 96			0.00	0.00	0.00	• Should post profit in 97
ICEC 96			11.85	0.00	11.85	
FUZZ 97			0.00	0.00	0.00	• Should post profit in 97
WCCI-98			0.00	0.00	0.00	• Should post profit in 98
Subtot. Conf. & Meet.			103.15	21.00	82.15	

BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Interest Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Subtot. Others			26.00	109.50	(83.50)	
Subtot. Trans & News			714.27	598.40	115.87	
Subtot. Conf. & Meet.			103.15	21.00	82.15	
Subtot. Others			26.00	109.50	(83.50)	
TOTAL			843.42	728.90	114.52	

Scientific Fishery Systems, Inc.

MEMORANDUM

TO: Walter J. Karplus, President
IEEE Neural Networks Council

FROM: Patrick K. Simpson, Past-President and N&A Chair
IEEE Neural Networks Council



DATE: May 12, 1995

SUBJECT: Nominations for 1996 Officers

The Nominations and Appointments Committee brings forward the following nominations for officers:

President	Walter J. Karplus	(1 year term)
Vice-President Finance	Piero P. Bonnisone	(2 year term)
Vice-President Conferences	Wesley Snyder	(2 year term)

PKS

Neural Network Specialist

4320

Approved by NNC AdCom
September 1993

IEEE TECHNICAL ACTIVITIES

SUMMARY FINANCIAL REPORT FOR IEEE SPONSORED OR COSPONSORED CONFERENCES

1. Full title of conference: Forum on Virtual Reality and Persons with Disabilities
2. Dates of conference: June 9-10, 1994
3. Location of conference: San Francisco Airport Marriott Hotel, Burlingame, CA
4. Type of report: Budget
5. All income and expense figures are in U. S. dollars

INCOME		Budget
6. Registration fees		\$88,500
7. Conference publication sales		\$ 4,000
8. Exhibits		\$ 6,000
9. Social functions		\$ 500
10. All other conference receipts		\$ 0
11. Total conference income		\$99,000
12. Conference loans		\$ 5,000
13. Total receipts		\$104,000

EXPENSE		Budget
14. Promotion		\$35,000
15. Conference publications		\$ 7,500
16. Exhibits		\$ 4,000
17. Social functions		\$18,000
18. Administration		\$14,500
19. All other conference expenses		\$ 6,000
20. Total conference expense		\$85,000
21. Loan repayments		\$ 5,000
22. Total outlays		\$90,000

SURPLUS/LOSS
 23. Total receipts (13) \$104,000 Total outlays (22) \$90,000
 25. Surplus (Loss) (23-24) \$14,000 surplus

POST-CONFERENCE DISTRIBUTION Surplus (loss) in 25 to be distributed as follows:

Cosponsor entity	% share	\$ distributed
a. Neural Networks Council	50	
b. Cal State Univ. Northridge	50	

CONFERENCE FINANCIAL INSTITUTION

Name of bank: Imperial Bank
 Address: Northridge, CA
 Conference account title: TBD Account No.: TBD
 Have you requested IEEE conference insurance? No, but it will be requested

SUBMITTED BY:

Name: Harry J. Murphy Tel.: 818-885-2578 Email: vfoao073@vax.csun.edu
 Address: California State University, 18111 Nordhoff Street, Northridge, CA 91330
 Conference position: General Chairman

Conference signature BY HARRY MURPHY ORIGINAL SIGNED Society Signature RUSSELL C EBERHART ORIGINAL SIGNED BY
 Date: 9/18/93

Return to: IEEE Conference Services, 445 Hoes Lane, PO Box 1331, Piscataway, NJ 08855-1331
 Keep a copy for your records





IEEE TECHNICAL ACTIVITIES

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

445 HOES LANE, P. O. BOX 1331, PISCATAWAY, NJ 08855-1331, U.S.A. (908) 562-3900 TELEX 833-233 FAX (908) 562-1571

June 9, 1994

Prof. Harry J. Murphy
Center on Disabilities
California State University
18111 Nordhoff Street
Northridge, CA 91330

RE: **1994 FORUM ON VIRTUAL REALITY AND PERSONS WITH DISABILITIES**
Meeting #4166

Dear Prof. Murphy:

Enclosed is IEEE's official acceptance of the submitted budget for the 1994 FORUM ON VIRTUAL REALITY AND PERSONS WITH DISABILITIES, which is scheduled to be held in San Francisco, CA on June 9 - 10, 1994.

We would like to remind you that IEEE Policy Statement 10.9N requires submission of a preliminary financial report within approximately three (3) months after the close of the meeting and a detailed financial report is required no later than six (6) months after the conference.

Also, IEEE Policy Statement 10.24 requires that all IEEE sponsored or cosponsored conferences with actual budgeted income or expense of \$250,000 or more be audited by an independent professional auditor and that all conferences wholly sponsored by IEEE with actual or budgeted income or expense between \$100,000 and 250,000 have their financial records audited either by professional auditors or an audit committee composed of individuals who have no direct or indirect responsibility for the financial transactions of the conference. Further, all conferences wholly sponsored by IEEE with budgeted income or expense totaling \$75,000 or more must advise IEEE of the manner in which their financial records will be audited should their actual income or expense total \$100,000 or more.

Currently, the IEEE umbrella insurance policy applies to conferences in all Regions. However, if you plan to have any special tours, it is suggested that in Regions 1-7, you contact Mr. Charles Stewart, (212) 705-7769, at the New York Office. In Regions 8-10, inquire locally to determine whether additional insurance coverage is required.

If there are any questions regarding this budget acceptance, please feel free to contact me.

Sincerely,

Mary Ann DeWald
Administrator
Conference Services

cc: J. C. Bezdek ✓
R. C. Eberhart
D. Hourican
P. Sensi



THE INSTITUTE OF ELECTRICAL
AND ELECTRONICS ENGINEERS, INC.

TECHNICAL ACTIVITIES BOARD

345 East 47th Street
New York, N.Y. 10017-2394, U.S.A.

CONFERENCE BUDGET ACCEPTANCE

Conference Name: 1994 Forum on Virtual Reality and Persons with Disabilities
Meeting #4166

Dates: June 9 - 10, 1994

Location: San Francisco Airport Marriott
San Francisco, CA

GROSS CONFERENCE BUDGET	SPONSOR(S)/COSPONSOR(S)	% FINANCIAL SHARE
Receipts \$99,000.00 (1&2)	NN	50%
Expenses \$85,000.00 (1)	CSU	50%
Adv. loans \$5,000.00		
Net Surplus \$14,000.00		
Net % of Expenses	16%	

Remarks: (1) Advance loan(s) not included. (2) IEEE Headquarters agrees to purchase copies of Conference Proceedings.

ACCEPTANCE FOR S/C AND REGIONS AND SECTIONS

S/C/Reg/Sec Representative	S/C/Reg/Sec Affiliation	Letter Date	Phone Date
R. C. Eberhart	1993 President - NN	09/18/93	
J. C. Bezdek	VP Conference - NN	06/02/94	
H. Murphy	Conference Chairman	09/18/93	

Distribution:

Dr. Russell C. Eberhart
Research Triangle Institute
P.O. Box 12194
Research Triangle Park, NC
27709

Dr. James C. Bezdek
Dept. of Computer Science
University of West Florida
Pensacola, FL 32514

Prof. Harry J. Murphy
Center on Disabilities
California State University
18111 Nordhoff Street
Northridge, CA 91330

ACCEPTANCE FOR IEEE

[Signature]

Manager, Conference Activities 06/07/94
Date

[Signature]

Staff Director, Technical Activities 2/8/94
Date

[Signature]

General Manager 6/8/94
Date

cc: IEEE Controller's Office



CENTER ON DISABILITIES

September 28, 1994

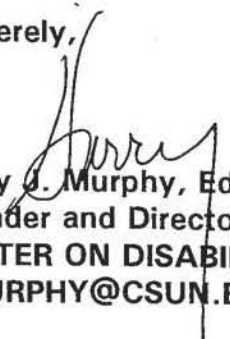
Jim Bezdek
University Of West Florida
Computer Science Department
Pensacola, FL 32514

Dear Jim,

As you requested, we are sending along a summary of the IEEE/CSUN budget summary for the "Virtual Reality and Persons with Disabilities," conference of June 8-10, 1994, which was held in San Francisco.

IEEE made one payment only, in the amount of \$4,485.00.

Sincerely,


Harry J. Murphy, Ed. D.
Founder and Director
CENTER ON DISABILITIES
HMURPHY@CSUN.EDU

HJM/dh

04/19/95

IEEE Technical Activities

Summary Financial Report for IEEE Sponsored or Cosponsored Conferences

1. Full Title of conference: Forum on Virtual Reality and Persons with Disabilities
2. Dates of conference: June 8–10, 1994
3. Location of conference: San Francisco Airport Marriott Hotel, Burlingame, CA
4. Type of Report: Final Budget Summary Report
5. All income and expense figures are in U.S. dollars

Income	Budgeted	Actual	Difference
6. Registration Fees	\$88,500.00	\$53,588.26	(\$34,911.74)
7. Conf. Publication Sales	\$4,000.00	\$358.24	(\$3,641.76)
8. Exhibits	\$6,000.00	\$2,722.50	(\$3,277.50)
9. Social Functions	\$500.00	\$0.00	(\$500.00)
10. All other conference receipts	\$0.00	\$373.76	\$373.76
11. Total conference income	\$99,000.00	\$57,042.76	(\$41,957.24)
12. Conference loans*	\$5,000.00	\$4,485.00	(\$515.00)
13. Total Receipts	\$104,000.00	\$61,527.76	(\$42,472.24)

Expense	Budgeted	Actual	Difference
14. Promotion	\$35,000.00	\$12,794.51	(\$22,205.49)
15. Conference Publications	\$7,500.00	\$3,613.71	(\$3,886.29)
16. Exhibits	\$4,000.00	\$26,881.79	\$22,881.79
17. Social Functions**	\$18,000.00	\$464.37	(\$17,535.63)
18. Administration	\$14,500.00	\$51,843.54	\$37,343.54
19. All other conference expenses	\$6,000.00	\$13,010.04	\$7,010.04
20. Total conference expenses	\$85,000.00	\$108,607.96	\$23,607.96
21. Loan Repayment	\$5,000.00	\$0.00	(\$5,000.00)
22. Total outlays	\$90,000.00	\$108,607.96	\$18,607.96

Surplus/Loss	Budgeted	Actual	Difference
23. Total Receipts	\$104,000.00	\$61,527.76	(\$42,472.24)
24. Total Outlays	\$90,000.00	\$108,607.96	\$18,607.96
25. Surplus (Loss)	\$14,000.00	(\$47,080.20)	(\$61,080.20)

* IEEE Contribution

** Includes lunches

IEEE Technical Activities

1

1. Full Title of Conference: Forum on Virtual reality and Persons with Disabilities
2. Dates of Conference: June 8-10, 1994
3. Location of Conference: San Francisco Airport Marriott Hotel, Burlingame, CA
4. Type of Report: Detail of Income
5. All income and expense figures are in U.S. dollars

Detail of Registration Fees #6

TRANS ID	VENDOR	REFUND	AMOUNT DEPOSITED	REFUNDS
2723	ADDISON, RITA K	N	195.00	0.00
2713	ANNE CARLSEN CTR FOR CHLDRN	N	295.00	0.00
2716	ARKENSTONE, INC	N	195.00	0.00
2634	ATARI GAMES CORP	N	195.00	0.00
2713	BALDASSARE, HEIDI	N	195.00	0.00
2635	BASSETT USD	N	245.00	0.00
2635	BENZIGER, KATHY	N	195.00	0.00
2716	BIOCONTROL SYSTMES	N	195.00	0.00
2713	BRIARWOOD CENTER F.I.L.	N	245.00	0.00
2635	BROOKLYN COLLEGE CENTRAL DEP	N	147.50	0.00
2713	BROWN, CARL	N	150.00	0.00
2716	BROWNING, DREW R	N	195.00	0.00
2713	BUCHER, URS J	N	295.00	0.00
2721	BURTON, GORDON	N	172.50	0.00
2634	BURTON, GORDON	N	195.00	0.00
2713	BUTTE COLLEGE	N	295.00	0.00
2635	CALIFORNIA COMMUNITY COLLEGE	N	490.00	0.00
2713	CHARLEVOIX-EMMET ISD	N	295.00	0.00
2713	CHOICISS	N	295.00	0.00
2721	CK JUSTUS GROUP	N	245.00	0.00
2635	CLAYTON, ROBERT J	N	490.00	0.00
2716	COAST COMMUNITY COLLEGE DIST	N	195.00	0.00
2713	COLLEGE OF THE DESERT	N	295.00	0.00
2721	COLUSA CO SPECIAL ED	N	295.00	0.00
2713	COMMUNITY RESOURCES	N	490.00	0.00
2713	CONTRA COSTA COLLEGE	N	295.00	0.00
2713	CONTRA COSTA COLLETE	N	295.00	0.00
2850	COUNTY OF KERN	N	495.00	0.00
2713	CRANDALL, ROBERT S	N	490.00	0.00
3115	DEPARTMENT OF REHABILITATION	N	6082.50	0.00
2635	DIVISION INCOP	N	195.00	0.00
2634	DIVISION INCORP	N	195.00	0.00
2634	DOCKERY, JOHN T	N	195.00	0.00
2721	DOD, NAT'L SECURITY AGENCY	N	50.00	0.00
2721	DOD, NAT'L SECURITY AGENCY	N	50.00	0.00
2721	DOD, NAT'L SECURITY AGENCY	N	50.00	0.00
2721	DOD, NAT'L SECURITY AGENCY	N	100.00	0.00
2721	DOD, NAT'L SECURITY AGENCY	N	50.00	0.00
2721	DOD, NAT'L SECURITY AGENCY	N	50.00	0.00
2721	DOD, NAT'L SECURITY AGENCY	N	100.00	0.00
2721	DOD, NAT'L SECURITY AGENCY	N	100.00	0.00

2

TRANS ID	VENDOR	REFUND	AMOUNT DEPOSITED	REFUNDS
2721	DOD, NAT'L SECURITY AGENCY	N	100.00	0.00
2721	DOD, NAT'L SECURITY AGENCY	N	100.00	0.00
2721	DOD, NAT'L SECURITY AGENCY	N	50.00	0.00
2721	DOD, NAT'L SECURITY AGENCY	N	50.00	0.00
2721	DOD, NAT'L SECURITY AGENCY	N	50.00	0.00
2721	DOD, NAT'L SECURITY AGENCY	N	50.00	0.00
2721	DOD, NAT'L SECURITY AGENCY	N	50.00	0.00
3263	Dutcher, David	N	590.00	0.00
2713	ELLIS, DONNA L	N	295.00	0.00
2721	FARWELL, KENT E	N	590.00	0.00
3263	Flores, Jorge	N	490.00	0.00
2634	FOOTHILL-DE ANZA CC DIST	N	195.00	0.00
2635	GALLAUDET UNIVERSITY	N	490.00	0.00
2713	GOODRICH, LINDA	N	295.00	0.00
2713	GRIMES, GARY J	N	295.00	0.00
2713	GULF COAST JEWISH FAMILY	N	295.00	0.00
2713	HALEY, MARGARET M	N	245.00	0.00
2721	HARVILL, ANN LASKO	N	25.00	0.00
2716	HAUSMAN, BARBARA J	N	585.00	0.00
2635	HIDDEN VALLEY RANCH, INC.	N	295.00	0.00
2721	HITCHNER, LEWIS E	N	345.00	0.00
2721	IBM	N	490.00	0.00
2716	IMMERSION HUMAN INTERFACE CORP	N	195.00	0.00
2635	INNOVATIVE TECHNIKEN BSVS	N	295.00	0.00
2716	INTERFACE TECHNOLOGIES	N	195.00	0.00
2716	INVIDEO SYSTEM, INC	N	245.00	0.00
2635	JAFFE, DAVID L	N	295.00	0.00
2713	JAMES MADISON UNIVERSITY	N	980.00	0.00
2713	JUSTUS, CHERYL	N	295.00	0.00
2713	KAILES, JUNE I	N	147.50	0.00
2635	KARNICKY, JOSEPH F	N	490.00	0.00
2713	KILANDER, PAMELA R	N	295.00	0.00
2721	KIM, DAVINA M	N	245.00	0.00
2713	KINGS CITY OFF OF ED	N	590.00	0.00
2635	KINZER, BAY A	N	590.00	0.00
2721	KIRLAND, C ERIC	N	345.00	0.00
2713	KLEBA, LOUISE M	N	295.00	0.00
2713	KLEBA, LOUISE M	N	490.00	0.00
2713	KLEBA, LOUISE M	N	490.00	0.00
2716	KUHN, LARRY T	N	195.00	0.00
2713	LANHAM, MARION	N	295.00	0.00
2635	LAWRENCE LIVERMORE NAT'L LAB	N	295.00	0.00
2713	LEE, BKK	N	97.50	0.00
2713	LEW, JUDY M	N	295.00	0.00
3116	MADEN TECH CONSULTING, INC	N	490.00	0.00
2635	MANETTA, CAROL A	N	490.00	0.00
2784	MATHERSON, ROY	Y	0.00	490.00
2635	MATHERSON, ROY O	N	490.00	0.00
2635	MC PEEK, ELIZABETH C	N	295.00	0.00

3

TRANS ID	VENDOR	REFUND	DEPOSITED	REFUNDS
2713	MCCARTHY, MARIANNE	N	490.00	0.00
3004	Metropolitan Life, Ins.,	N	490.00	0.00
2723	MIDDLETON, TERESA	N	195.00	0.00
2634	MILLER, TERRY W	N	195.00	0.00
2721	MIYAWAKI, AKIYOSHI	N	345.00	0.00
2721	MOCO INC	N	295.00	0.00
2716	MONASH UNIVERSITY	N	195.00	0.00
2812	MONAST UNIVERSITY	Y	0.00	195.00
3263	Mouradian, Liza	N	490.00	0.00
2850	MO. CTR/EASTERN MO COLLEGE	N	345.00	0.00
2716	MURPHY, THOMAS E	N	390.00	0.00
2716	MUSCOTT, DR. HOWARD S	N	195.00	0.00
2713	NASA DRYDEN FLIGHT RSRCH CTR	N	490.00	0.00
2721	NATIONAL REHAB HOSPITAL	N	490.00	0.00
2635	NM HIGHLANDS UNIVERSITY	N	295.00	0.00
2713	OFFICE OF TECHNOLOGY ASSESMENT	N	490.00	0.00
2713	OLVER, LAURIE A	N	295.00	0.00
2716	OPTELEC	N	195.00	0.00
2634	OREGON RESEARCH INSTITUTE	N	195.00	0.00
2716	OSU, COLUMBUS	N	100.00	0.00
2811	O'CONNER, PATRICIA	Y	0.00	47.50
2635	O'CONNOR, PARICIA	N	97.50	0.00
2635	O'CONNOR, PARICIA	N	490.00	0.00
2713	O'LEARY, STEPHANIE	N	490.00	0.00
2852	PATMORE, DAVID	N	195.00	0.00
2721	PHOENIX, SHOSHANA D	N	295.00	0.00
2723	PUTNAM, WILLIAM L	N	97.50	0.00
3004	Rancho Los Amigos Foundation,	N	345.00	0.00
3380	RIDGEVIEW HS	N	295.00	0.00
2721	RIPS, SANDRA I	N	590.00	0.00
2850	RODIO, MARK	N	295.00	0.00
2723	ROSE, ALICE	N	195.00	0.00
3263	Ryder, Dan	N	490.00	0.00
2850	SAN BENITO COUNTY	N	490.00	0.00
3004	San Francisco State University	N	490.00	0.00
2713	SANDIA NATIONAL LABORATORIES	N	490.00	0.00
2716	SANDIA NATIONAL LABS	N	390.00	0.00
2713	SANDIA NAT'L LABS	N	295.00	0.00
2713	SELF, DALE A	N	490.00	0.00
3004	Sioux Vocational Services, Inc	N	490.00	0.00
2713	SMITH, ANN WARREN	N	295.00	0.00
2721	SMITH, D. GAIL	N	345.00	0.00
2635	SONOMA DEVELOPMENT CENTER	N	490.00	0.00
2713	SOUTHWEST RESEARCH INST.	N	195.00	0.00
2850	STATE OF NEW MEXICO	N	295.00	0.00
?721	STEGER, JOHN W	N	345.00	0.00
2713	SWEDISH INST OF COMPUTER SCI	N	295.00	0.00
3004	The Matheny School & Hospital	N	295.00	0.00
2713	THE SCHOOL BOARD OF VOLUSIA CO	N	295.00	0.00
2634	TOKAI UNIVERSITY, BIO-MED ENGR	N	310.00	0.00
2635	TOKAI UNIVERSITY, BIO-MED ENGR	N	325.00	0.00

4

TRANS ID	VENDOR	REFUND	DEPOSITED	REFUNDS
2634	TOKAI UNIVERSITY, BIO-MED ENGR	N	390.00	0.00
2721	TUCKER, JOHN B	N	590.00	0.00
2635	TURNER, RICHARD	N	295.00	0.00
2713	UD NEWARK, CTR APPLIED SCI	N	295.00	0.00
2713	UF GAINSVILLE	N	490.00	0.00
2721	UNIK	N	590.00	0.00
2635	UNIV OF AUCKLAN, DPT COMP SCI	N	295.00	0.00
2635	UNIV OF AUCKLAN, DPT COMP SCI	N	195.00	0.00
2721	UNIVERSITY OF AIZU 965-80	N	100.00	0.00
2721	UNIVERSITY OF AIZU 965-80	N	100.00	0.00
2713	UNIVERSITY OF HOUSTON, DOWNTWN	N	295.00	0.00
2850	UNIVERSITY OF MINNESOTA	N	295.00	0.00
2713	UNIVERSITY OF TX, GALVESTON	N	490.00	0.00
3004	University of Washington	N	295.00	0.00
2713	UNIVERSITY OF WASHINGTON	N	295.00	0.00
2721	UNM ALBURQUERQUE	N	590.00	0.00
2713	USC	N	147.50	0.00
2634	USU, LOGAN	N	195.00	0.00
2713	USU, LOGAN	N	245.00	0.00
2713	USU, LOGAN DEPT OF EE	N	345.00	0.00
2713	YORK TECHNICAL COLLEGE	N	345.00	0.00
TOTALS			\$54,225.00	\$732.50
NET				<u>\$53,492.50</u>

Type of Report: Detail of Conf. Publication Sales #7

TRANS ID	VENDOR	REFUND	AMOUNT DEPOSITED	REFUNDS
3408	UNIVERSITY OF YORK	N	\$54.95	\$0.00
3515	ASSOCIATED STUDENTS	N	\$0.00	\$193.00
3520	VA MEDICAL CENTER	N	\$39.95	\$0.00
3520	EBERSOLE, DR. JOHN	N	\$39.95	\$0.00
3520	ELLIOT, RUTHIE D460	N	\$79.90	\$0.00
3521	SHEEHAN, TOM	N	\$43.24	\$0.00
3521	RHEE, KUN M	N	\$43.25	\$0.00
2636	BUSINESS DEVELOPMENT GROUP	N	\$250.00	\$0.00
TOTALS			\$551.24	\$193.00
NET				<u>\$358.24</u>

IEEE Technical Activities

1. Full Title of conference: Forum on Virtual Reality and Persons with Disabilities
2. Dates of conference: June 8-10, 1994
3. Location of conference: San Francisco Airport Marriott Hotel, Burlingame, CA
4. Type of Report: Detail of Expenses
5. All income and expense figures are in U.S. dollars

Type of Report: #14 Promotion

TRANS ID	VENDOR	DESCRIPTION	AMOUNT
2736	REPOGRAPHICS	CALENDAR ITEM	\$594.78
2736	REPOGRAPHICS	CALENDAR ITEM	\$129.99
2825	1 HR LAB PHOTO CLUB	CONFERENCE PHOTO	\$34.86
2029	ADVERTISE	CJ#18, 11&12 1993 VR94 CONF	\$250.00
2622	ADVERTISE	AD IN #20 MAR/APRIL 1994	\$450.00
2218	ADVERTISE	DIVERSITY/CAREERS IN ENGNRNG: OCT/NOV 93	\$700.00
2491	ADVERTISE	PREREG	\$385.00
2699	ADVERTISE	PRE-REG, 1/2 PAGE, MAR/APR 94	\$807.50
2488	ADVERTISE	INVITE TO EXHIBIT	\$250.00
2623	ADVERTISE	PRE-REG AD IN CTG FEB/MAR 94	\$320.00
2705	ATLAS PEN	TOTE BAGS	\$284.00
2705	CONTR.WORK	VIDEOTAPE CONFERENCE	\$2,500.00
3239	EASTMAN	LABELS	\$163.81
2739	MAILROOM	CLNDR/MED REL/	\$626.36
2735	MAILROOM	MISC MAILOUT	\$27.55
2735	MAILROOM	MISC MAILOUT	\$83.85
2735	MAILROOM	MISC MAILOUT	\$46.89
2710	MECKLER	PULBICAITON	\$30.00
2338	MECKLER	VR DIRECTORY	\$60.00
2695	NELSON MARKETING	FANNY PACK	\$1,088.24
2813	NELSON MRKTNG	JR CRRSPNDCE NTBKS	\$1,189.26
2624	PRINTING EMPORIUM	NY TIMES ARTICLE	\$68.20
1909	SUBSCRIBE	REAL TIME GRAPHICS	\$85.00
1457	SUBSCRIBE	VIRTUAL REALITY REPORT	\$277.00
2394	SUBSCRIBE	VR WORLD	\$59.00
Total			* \$10,511.29

* Amount on "Summary Financial Report" is \$2283.22 higher, internal audit identified items which were incorrectly expensed to VR94 Conf

2

Type of Report: #15 Conference Publications

TRANS ID	VENDOR	DESCRIPTION	AMOUNT
2815	BRAILLING	BRAILLING SERVICES	\$326.13
2732	BRAILLING	BRILLE MAPS	\$85.66
2823	CONTINENETAL GRPAHIS	PROGRAMS	\$1,231.07
3012	GRAPHICS	OVRVIEW ASST TECH	\$159.00
2028	PRINTING EMPORIUM	VR BROCHURES	\$358.31
2489	PRINTING EMPORIUM	RBRADBURY 6PG VR	\$742.60
1801	REGISTER	VRAIS'93 CONFERENCE	\$575.00
1823	REGISTER	SHERATON HOTEL FOR VRAIS'93	\$135.94
Total			\$3,613.71

Type of Report: #16 Exhibits

TRANS ID	VENDOR	DESCRIPTION	AMOUNT
2707	CONTINENTAL ART SUP	SIGN BOARDS	\$103.65
2490	PRINTING EMPORIUM	INVITE TO EXHIBIT	\$360.47
Total			\$464.12

Type of Report: #17 Social Functions

TRANS ID	VENDOR	DESCRIPTION	AMOUNT
2932	HOTELS	BILLING (<i>Breakout</i>)	\$26,417.67
2625	PRINTING EMPORIUM	VIP DINNER INVITES	\$99.27
2515	SAND CASTLE RESTAURANT	DINNER: GREENLEAF & ORR	\$72.48
2738	SFO	JAPANESE VIP DINNER	\$258.08
2738	SFOX MARRIOTT	BRADBURY/KEYNOTE SPEAKER GIFT	\$34.54
Total			\$26,882.04

Type of Report: #18 Administration

TRANS ID	VENDOR	DESCRIPTION	AMOUNT
2510	HARRY MURPHY	FILM DEV	\$112.93
30	ASSOCIATED STUDENTS	WORKMANS COMP	\$122.26
27	REPOGRAPHICS	PERMIT 13 ENVELOPES	\$458.09
2697	CONTINENTAL GRAPHICS	PRE-REG INSERT	\$10,099.73
2220	CONTINENTAL GRAPHICS	PRE-REG INSERT	\$3,379.57
2818	CONTR.WORK	ATTENDANT CARE FOR G RODGERS	\$425.00

TRANS ID	VENDOR	DESCRIPTION	AMOUNT
2696	CONTR.WORK	BRILLE MAPS	\$330.49
2817	CONTR.WORK	MEDIA ROOM SUPPORT	\$500.00
2578	CONT. GRAPHICS	PREREG	\$4,855.01
2729	GLP	SFO <i>Speaker</i>	\$174.00
3012	GRAPHICS	OVRRVIEW ASST TECH	\$20.64
2731	HELLER, DEE ✓ = <i>CSU</i>	BENEFIT:PAYROLL	\$194.74
2575	HELLER, DEE <i>employee</i>	BENEFIT:MEDICAL	\$541.64
3045	HELLER, DEE	PERSONNEL CHARG	\$140.00
2575	HELLER, DEE	BENEFIT:PAYROLL	\$200.61
3046	HELLER, DEE	BENEFIT:PAYROLL	\$187.86
2546	HELLER, DEE	SALARIES	\$945.50
3047	HELLER, DEE	BENEFIT:MEDICAL	\$84.28
2544	HELLER, DEE	OVERTIME	\$327.28
2819	HELLER, DEE	SALARIES	\$945.50
2532	HELLER, DEE	BENEFITS	\$796.97
2810	HELLER, DEE	BENEFIT:PAYROLL	\$172.83
2665	HELLER, DEE	OVERTIME	\$476.64
2810	HELLER, DEE	BENEFIT:MEDICAL	\$458.42
2388	HELLER, DEE	SALARIES	\$918.00
2720	HELLER, DEE	SALARIES	\$945.00
2608	HELLER, DEE	BENEFIT:MEDICAL	\$458.42
2388	HELLER, DEE	SALARIES	\$945.50
2388	HELLER, DEE	OVERTIME	\$135.06
2350	HELLER, DEE	SALARIES	\$423.68
2665	HELLER, DEE	SALARIES	\$918.00
3046	HELLER, DEE	BENEFIT:MEDICAL	\$542.70
2666	HELLER, DEE	OVERTIME	\$309.82
2395	HELLER, DEE	SALARIES	\$932.10
2448	HELLER, DEE	BENEFIT:PAYROLL	\$103.72
2587	HELLER, DEE	SALARIES	\$945.50
2663	HELLER, DEE	OVERTIME	\$413.09
2587	HELLER, DEE	OVERTIME	\$115.00
3045	HELLER, DEE	PERSONNEL CHARG	\$140.00
2719	HELLER, DEE	SALARIES	\$945.50
2663	HELLER, DEE ✓	OVERTIME	\$1,000.94
2747	HJM	SFO	\$200.36
2797	HJM	WESTPORT CT	\$156.75
2737	HJM	CSUN-LAX-CSUN	\$15.60
2727	JLJ	SFO	\$93.00
2587	JOHNSON, JODI ✓	OVERTIME	\$428.40
2788	JOHNSON, JODI	OVERTIME	\$310.59
2492	JOHNSON, JODI	LAX/SFO/LAX	\$93.00
27	JOHNSON, JODI	OVERTIME	\$117.81
25	JOHNSON, JODI	OVERTIME	\$428.40
2726	KAP/KMW/DH ✓	SFO	\$279.00
2824	KRUEGER, MYRON W	SFOX MARRIOTT <i>Key note Speaker</i>	\$913.79
2587	LAWRENCE, THOMAS ✓	OVERTIME	\$258.19

ANS ID	VENDOR	DESCRIPTION	AMOUNT
2546	LAWRENCE, THOMAS	OVERTIME	\$573.75
1943	LAWRENCE, THOMAS	OVERTIME	\$382.50
2583	LAWRENCE, THOMAS	OVERTIME	\$557.10
2430	LAWRENCE, TOM	SFO MARRIOTT	\$300.00
2252	MAILROOM	CALENDAR ITEM	\$86.33
2267	MAILROOM	UPS VR94 BROCHURE	\$4.36
2216	MAILROOM	CALL FOR PART	\$6.25
2430	MAILROOM	BM: 287 CALL FOR	\$51.86
2735	MAILROOM	CALENDAR ITEM	\$18.31
2267	MAILROOM	MISC MAILOUT	\$5.80
2735	MAILROOM	CALL FOR PAPERS	\$56.16
2735	MAILROOM	MISC MAILOUT	\$21.85
2735	MAILROOM	MISC MAILOUT	\$51.75
2284	MAILROOM	MISC MAILOUT	\$19.75
2728	MAILROOM	CALL FOR PAPERS	\$144.98
1905	MCCOY, VL	SFO <i>Volunteer</i>	\$93.00
2730	MURPHY, HARRY ✓	SFO	\$259.22
2055	MURPHY, HARRY	SFOX MARRIOTT	\$93.00
1940	MURPHY, HARRY	SWEDEN	\$276.19
1893	MURPHY, HARRY	SEATTLE	\$564.60
8	MURPHY, HARRY	SFO/SACTO	\$112.00
2234	MURPHY, HARRY	NYNY	\$73.91
1856	MURPHY, HARRY	NYNY, DC	\$527.70
1828	MURPHY, HARRY	SEATTLE	\$166.00
2816	MURPHY, HARRY	SFO	\$90.00
2822	OFFICE DEPOT	FAX CARTRIDGE	\$29.22
2510	ORR ASC INTL	SFOX MARRIOTT	\$1,200.00
2719	PACBEL	PHONE CHARGES	\$164.70
2085	POHL, KATHLEEN ✓	OVERTIME	\$511.92
3391	PRINTING EMPORIUM	CALL FOR PARTS	\$772.91
2000	PRINTING EMPORIUM	CALL FOR PARTS	\$967.76
2734	PRINTING EMPORIUM	CALL FOR PARTS	\$344.25
2820	PRNTNG EMP	RECEIPTS	\$50.88
2546	REITZ CAMERA	FILM DEVELOPEMNT	\$18.30
2720	RICHARDS, BOB ✓	OVERTIME	\$314.40
2587	RICHARDS, BOB	OVERTIME	\$70.74
1943	RICHARDS, BOB	OVERTIME	\$314.40
3127	RICHARDS, BOB	OVERTIME	\$305.10
3302	RODGER, GENE ✓	SFO	\$111.52
1997	RODGERS & ATTENDANT	LAX-SFO-LAX	\$186.00
2719	SPECTRUM SIGHT & SND	SLIDES	\$1,042.00
2819	WHITTAKER, KAREN ✓	OVERTIME	\$490.92
3	WHITTAKER, KAREN	OVERTIME	\$16.36
2.19	WSTRN MLNG		\$960.88

Total \$51,843.54

5

Type of Report: #19 All Other Conference Expenses

<u>ANS ID</u>	<u>VENDOR</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
2809	JODI JOHNSON	REIMB FOR CONF SUPPLIES	\$315.12
2582	EQUIPMENT MOVING	ADVANCE FOR TRUCK RENTAL	\$710.00
2423	INSURANCE	INSURE VR94	\$900.00
2821	PRESTON INTERPRETING	INTERPRETING SERVICES	\$6,000.00
2230	OTHER	SLIDE	\$128.92
3401	PROCEEDINGS PRODUCE	125 HRS PRODUCTION, EDIT, FED EX	\$644.00
3401	PROCEEDINGS PRODUCE	275 HRS PROD, EDIT, FED EX	\$812.00
2217	SPEAKER FEE	RETAINER FEE FOR KEYNOTE SPEAKER	\$1,750.00
2698	SPEAKER FEE	KEYNOTE SPEAKER, 2ND INSTALLMENT	\$1,750.00
Total			\$13,010.04

#20 Total Conference Expenses \$106,324.74

#21 Total Loan Repayment \$0.00

#22 Total Outlays \$106,324.74

5

Type of Report: Detail of Exhibits #8

TRANS ID	VENDOR	REFUND	AMOUNT DEPOSITED	REFUNDS
2636	BUSINESS DEVELOPMENT GROUP	N	\$495.00	\$0.00
2636	ARKENSTONE, INC.	N	\$495.00	\$0.00
2636	DIVISION INC	N	\$495.00	\$0.00
2715	BIOCONTROL SYSTEMS, INC	N	\$247.50	\$0.00
2722	CRYSTAL RIVER ENGINEERING INC	N	\$495.00	\$0.00
3264	Mitten, Paul	N	\$495.00	\$0.00
TOTALS			<u>\$2,722.50</u>	<u>\$0.00</u>
NET				<u><u>\$2,722.50</u></u>

Type of Report: Detail of All other conference receipts #10

TRANS ID	VENDOR	REFUND	AMOUNT DEPOSITED	REFUNDS
2721	EBERHART, RUSSELL C	N	15.76	0.00
2877	LAWRENCE, THOMAS	N	82.51	0.00
2280	GREENLEAF, WALTER J	N	200.00	0.00
2902	RYDER INC	N	91.25	0.00
721	GANGWERE, BANDIT	N	\$40.00	\$0.00
2721	HELSEL, SANDRA K	N	\$20.00	\$0.00
2721	SIMS WRITING AND EDITING SERV	N	\$20.00	\$0.00
TOTALS			<u>\$469.52</u>	<u>\$0.00</u>
NET				<u><u>\$469.52</u></u>

#11 TOTAL CONFERENCE INCOME \$57,042.76#12 CONFERENCE LOANS \$4,485.00#13 TOTAL RECEIPTS \$61,527.76

From karplus@CS.UCLA.EDU Wed Jun 7 08:47:24 1995
Return-Path: <karplus@CS.UCLA.EDU>
Received: from mx4.u.washington.edu by carson.u.washington.edu
(5.65+UW95.05/UW-NDC Revision: 2.33) id AA06284;
Wed, 7 Jun 95 08:47:23 -0700
Received: from Lanai.CS.UCLA.EDU by mx4.u.washington.edu
(5.65+UW95.05/UW-NDC Revision: 2.31) id AA10674;
Wed, 7 Jun 95 08:47:22 -0700
Received: by lanai.cs.ucla.edu
(Sendmail 4.1/3.27) id AA24304;
Wed, 7 Jun 95 08:46:58 PDT
Date: Wed, 7 Jun 95 08:46:57 PDT
From: Dr Walter Karplus <karplus@CS.UCLA.EDU>
Message-Id: <950607.154657z.24293.karplus@lanai.cs.ucla.edu>
To: bonissone@crd.ge.com, lauc@onrhq.onr.navy.mil,
jbezdek@dcsuwf.dcsnod.uwf.edu, marks@u.washington.edu,
svk@hotmail.att.com, wes@eos.ncsu.edu, xm8@sdcc12.ucsd.edu,
karplus@CS.UCLA.EDU
Subject: Re: Invitation
Status: RO

Date: 7 Jun 1995 14:49:32 +0100
From: "Madan Singh" <m_singh@mac.co.umist.ac.uk>
Subject: Invitation
To: "dp atherton" <d.atherton@ieee.org>, "bc brusso" <b.brusso@ieee.org>,
"J Czika Jr" <j.czika@ieee.org>, "m decina" <m.decina@ieee.org>,
"ts durrani" <s.durrani@ieee.org>, "jm fouke" <J.fouke@ieee.org>,
"b hajek" <b.hajek@ieee.org>, "rg hoelzeman" <r.hoelzeman@ieee.org>,
"walter karplus" <w.karplus@ieee.org>,
"rd klafter" <r.klafter@ieee.org>, "ruey-wen liu" <rw.liu@ieee.org>,
"dab miller" <d.miller@ieee.org>, "mg singh" <mgsingh@umist.ac.uk>,
"tj tarn" <j.tarn@ieee.org>, "ac weaver" <a.weaver@ieee.org>,
"he weinrich" <h.weinrich@ieee.org>
Cc: "richard saeks" <rsaeks@cris.com>, "James Tien" <tienj@rpi.edu>,
"Chip White" <Chip.White@um.cc.umich.edu>

Subject: Invitation Time: 9:47 am
OFFICE MEMO Date: 7/6/95
To Presidents of the Neural Networks Council's sponsoring societies, Division
Director T J Tarn

Dear Colleague

As "shareholders" in the Neural Networks Council, it is important that we are able to formulate a collective view about the request of the council to become the society for Computational Intelligence. With this in mind, I am writing to invite you (or your senior colleague involved with the council) to a meeting on Wednesday June 22nd at the Sheraton Hotel at 9 p m. I will let you know the room number in the near future.

Yours sincerely
Madan Singh
President of the SMC Society

courtesy copy also to NNC President Walter Karplus, J. Tien, C White, R
Saeks.

Excomers:

The plot thickens.

Walter

Comparative IEEE Publication Activity in Computational Intelligence

Source: IEE/IEEE INSPEC Data base, May 1995

- FIGURE CAPTIONS -

Figure 1: Computational Intelligence publications in IEEE.

This graph compares the number of INSPEC entries for the IEEE and the top four IEEE S/C entries in Computational Intelligence.

Figure 2: Computational Intelligence publications in IEEE (%).

The same data in Figure 1 presented in per cent.

Figure 3: NNC and SMC activities in Computational Intelligence.

The total number of entries for the NNC and SMC are shown against the total number of publications of the NNC and SMC in the area of Computational Intelligence.

- INFORMATION -

Key: CI = Computational Intelligence
NNC = IEEE Neural Networks Council
SP = IEEE Signal Processing Society
CAS = IEEE Circuits & Systems Society

INSPEC = *Information Service for Physics and Engineering Communities;*

Focus on fields of physics, electrical engineering, computer science and electronics; Over 1.5 million title and abstract entries from over 4000 journals + conference proceedings & books.

Search Words: CI (computational intelligence) = fuzzy or (neural and (net or nets or network or networks)) or (neurocomputer or neurocomputers) or (genetic and (algorithm or algorithms)) or (evolutionary and (computation or programming or computing))

Caution: The INSPEC entries for 1994 may be incomplete.

From hzazza@tab.ieee.org Mon Jun 12 05:47:35 1995
Return-Path: <hzazza@tab.ieee.org>
Received: from mx5.u.washington.edu by carson.u.washington.edu
(5.65+UW95.05/UW-NDC Revision: 2.33) id AA03944;
Mon, 12 Jun 95 05:47:34 -0700
Received: from rab.ieee.org by mx5.u.washington.edu
(5.65+UW95.05/UW-NDC Revision: 2.31) id AA13497;
Mon, 12 Jun 95 05:47:32 -0700
Received: from tab.ieee.org by mail.ieee.org (4.1/R-3.91-05.23.95)
id AA01308; Mon, 12 Jun 95 08:47:17 EDT
Received: from heidiz.tab.ieee.org by tab.ieee.org (4.1/I-3.20)
id AA06918; Mon, 12 Jun 95 08:47:12 EDT
Date: Mon, 12 Jun 1995 08:47:11
From: hzazza@tab.ieee.org (Heidi Zazza-Roth)
To: Robert Marks <marks@u.washington.edu>
Subject: Re: New Pub Proposal
Cc: karplus@cs.ucla.edu, marks@ee.washington.edu
Message-Id: <QFDC3750@heidiz>
In-Reply-To: <9506092331.AA22873@carson.u.washington.edu>
Status: RO

Bob:

Periodicals Council 8am - 4pm June 21
PUB Board 8am - 5pm June 22
TAB Caucus & Presidents Forum 8am - 5pm June 23
TAB Business Meeting 8am - 2pm June 24

CONSE

The proposal may or may not come up at the Caucus and Forum, but just in case, it would be wise for you to be there to answer questions.

Hope this helps.

Heidi

From karplus@CS.UCLA.EDU Wed Jun 14 13:09:05 1995
Return-Path: <karplus@CS.UCLA.EDU>
Received: from mx5.u.washington.edu by carson.u.washington.edu
(5.65+UW95.05/UW-NDC Revision: 2.33) id AA21168;
Wed, 14 Jun 95 13:09:03 -0700
Received: from Lanai.CS.UCLA.EDU by mx5.u.washington.edu
(5.65+UW95.05/UW-NDC Revision: 2.31) id AA13263;
Wed, 14 Jun 95 13:09:02 -0700
Received: by lanai.cs.ucla.edu
(Sendmail 4.1/3.27) id AA25191;
Wed, 14 Jun 95 13:08:54 PDT
Date: Wed, 14 Jun 95 13:08:53 PDT
From: Dr Walter Karplus <karplus@CS.UCLA.EDU>
Message-Id: <950614.200853z.25183.karplus@lanai.cs.ucla.edu>
To: bonissone@crd.ge.com, lauc@onrhq.onr.navy.mil,
jbezdek@dcsuwf.dcsnod.uwf.edu, marks@u.washington.edu,
svk@hotld.att.com, wes@eos.ncsu.edu, xm8@sdcc12.ucsd.edu,
karplus@CS.UCLA.EDU
Subject: ExCom Meetings in Washington
Status: RO

ExComers:

We are in for a few hot and hectic days. Here are some of the plans.

I will arrive at Dulles at 4:30pm on Wednesday, which should get me to the Sheraton by around 6:00pm. I have reserved a suite for Wednesday and Thursday night. So let's meet there at 6:30pm and have a room service supper. Ask at the front desk for my room number. Note: I am staying at the Washington SHERATON, and not at the Hilton.

At 9:00pm some of us (at least Cliff and I and perhaps a couple of others) need to attend Madan Singh's meeting at the Sheraton. That will no doubt kill the evening.

Let's plan to meet again at 8:00am on Thursday morning at Hilton in the room that we have reserved for our AdCom (the name of the room is the Conservatory), to finish preparing for the Adcom meeting at 10:00am.

If any of you can stay on for the TAB Presidents' Forum on Friday or even the TAB meeting on Saturday, you may be able to do some crucial lobbying for us. At the moment I am a bit pessimistic about our chances with TAB. I hear about a lot of opposition, and there are few movers and shakers in our camp.

Walter

202

328 2000

483-3000

June 22, 1995

Neural Networks Council AdCom Meeting
Washington DC

Report from VR Technical Committee:

The Virtual Reality Technical Committee, chaired by Tom Caudell, reports activities on several fronts:

1. VRAIS 95

Since the success of VRAIS 93 in Seattle, the VR Technical Committee has been working to enhance IEEE activities on Virtual Reality by co-sponsoring VRAIS 95 and planning VRAIS 96. It is hoped that this series of conferences will be technically excellent, and draw an audience from a wide range of disciplines.

2. VR Standards Spin-offs

Although IEEE Standards are not considered a technical activity, participation in standards development is encouraged by many technical committees. The VR-TC is committed to inter-society involvement in its multi-disciplinary activities, and thus has encouraged a search for contact and cooperation among all IEEE societies in VR-related applications standards. Several of these projects involve intelligent VR and guidelines for very new, but practical VR applications. Wide circulation of the enclosed interest survey is encouraged. Responses from all IEEE Society Presidents are respectively requested.

A substantial database of interested parties has been established and sent to IEEE. An electronic communications system has been initiated to help overcome the tremendously cost and labor intensive effort of responding to the numerous requests for information about VR standards. Industry has initiated requests for standards, and other requests have come from those interested in criminology, computer access for the handicapped, and from the military. Contact Richard Blade at r.blade@ieee.org for details. (He has been nominated for an award for his efforts to date, as have several IEEE Standards Staff members.)

It is hoped that the numerous enthusiastic requests for information about VR APPLICATIONS and standards will help document the financial practicality of establishing formal IEEE VR publications!

3. VR TC Multi-society Membership

VR Technical Committee Chair Tom Caudell has requested that every IEEE society appoint a liaison member of the VR TC. He has asked Mary Lou Padgett to contact each society president attending the IEEE Board Series Meetings this week, and request that such an appointment be made. For details, please send email to Caudell at tpc@chama.eece.unm.edu.

4. Future Plans and Activities

Your ideas and suggestions for practical new projects are invited by the VR TC.

SEE YOU AT *VRAIS 96*, IF NOT BEFORE!

Please let us hear from you, and help spread the word!

haron: Here is a note I just got from the president of the IEEE NNC. He has 8 questions about each of our two transactions, Neural Networks and Systems. Can you tell me who to contact that might be able to answer any of these questions?

Thanks in advance, Jim Bezdek

Date: Wed, 15 Mar 95 12:44:22 PST
From: Dr Walter Karplus <karplus@CS.UCLA.EDU>
To: marks@u.washington.edu, jbezdek@dcsuwf.dcsnod.uwf.edu, wes@eos.ncsu.edu

Jim & Jim:

We need answers to the following questions as quickly and as soon as possible and in as much detail as possible.

Questions 1 to 4 apply to each of our transactions separately and to the sum of the two.

What is the latest (real or estimated) number of subscribers?

How many of our subscribers are not IEEE members?

How many of our subscribers belong to each of the IEEE societies? (this is a 36 part question)

How many of our subscribers belong to more than one of our sponsoring societies and which ones?

How many of our subscribers subscribe to both of our transactions? To which societies do they belong?

How do each of the IEEE societies price their transactions for members and for nonmembers?

How and how much do each of the societies charge for membership?

In addition to discounts on their transactions, what other benefits do the societies give to their members (newsletters, magazines, etc.)?

Recognize that the answers to some of these questions will be difficult and perhaps impossible to obtain, but we need to do

② non-IEEE members
neural networks - 570
systems 155

then current year.

If Society fee payments are received in the period March 1 to August 31, inclusive, the amount payable shall be one-half of the annual fee, and the membership shall continue until December 31 of the then current year.

8. The IEEE annual budget shall delineate the amounts the various operating departments anticipate in payments from the Societies for services and materials and shall set the amount of direct support to be provided from IEEE general funds. This support shall be administered by the Vice President - Technical Activities. There shall be provided for each new Society matching funds of one dollar (\$1.00) for each dollar of income derived by the Society from the membership fees during the first two years.
9. All IEEE members, including those qualifying for special membership categories, may join any and all Societies upon payment of the appropriate fees. Affiliates do not qualify for any of these special categories.
10. All Society meetings shall be open to all members of the IEEE on an equal basis with Society members.
11. A Society by itself, or jointly with other organizations, may hold conferences, conventions, or offer lectures and may charge for registration, but any such charge must apply to the entire meeting and no separate registration charge shall be made for that portion of the meeting sponsored by the Society.
12. All publications of Societies, other than programs, notices, and the like, shall be subject to prior authorization of the Executive Committee and shall be made available to all IEEE members and Society Affiliates on equitable bases approved by the Executive Committee.
13. The Societies may prepare Standards recommendations, provided that advance approval for each such preparation is obtained from the Standards Board.
14. Each Society shall forward to the General Manager a copy of each meeting notice of the Society, an annual report and a financial statement for each IEEE fiscal year prepared immediately following the end thereof.
15. The officially constituted officers of a Society shall have the sole authority to obligate the funds and assets of the Society to promote the Society's activities, provided that no Society officer or representative shall have authority to contract debts for, pledge the credit of, or in any

way bind the Institute for activities prohibited by the Bylaws of the Institute, the Constitution and Bylaws of the Society, or by regulations published in the Technical Activities Manual. Returns from investment of Society funds shall be credited to the Society.

16. Each Society shall conduct its activities within the Constitution, Bylaws and other rules externally imposed which by law affect the membership and activities of the IEEE.



Society Affiliates are non-IEEE members who have been admitted by a Society to some of the rights and privileges of Society activities. In general, a Society Affiliate must be a person whose technological activities do not justify full membership in the IEEE, but who may be helped by participation in Society activities and who may contribute benefits to Society members by his/her participation in their activities. The qualifications for Society Affiliates, limits in rights and privileges, and dues shall be established by the Executive Committee. The Society Affiliate dues shall be administered in accordance with the schedule and procedures that apply to IEEE membership dues, as given in Bylaws 108 and 110.

18. Each Society may, as specified in its Constitution or Bylaws, organize subentities to manage and administer the Society in fulfilling its objectives.
19. The Societies are officially titled IEEE _____ Society or, optionally, IEEE Society on _____. The Societies are:

Aerospace and Electronic Systems
Antennas and Propagation
Broadcast Technology
Circuits and Systems
Communications
Components, Hybrids, and
Manufacturing Technology
Computer
Consumer Electronics
Control Systems
Dielectrics and Electrical Insulation
Education
Electromagnetic Compatibility
Electron Devices
Engineering Management
Engineering in Medicine and Biology
Geoscience and Remote Sensing
Industrial Electronics
Industry Applications
Information Theory
Instrumentation and Measurement
Lasers and Electro-Optics
Magnetics
Microwave Theory and Techniques
Nuclear and Plasma Sciences
Oceanic Engineering

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01	SP	T-SP	O	12	3500	3500	FE		28.00	21.00						420.00
		M-SP	I	4	320	320	FE	12.00	6.00							75.00
		\$\$T-IP	O	12	1600	1600	FE		34.00	26.00						350.00
		\$\$T-SA	O	6	900	900	FE		18.00	14.00						180.00
		L-SP	O	12	288	288	FE		13.00	10.00						100.00
02	BT	T-BC	I	4	115	230	ACR	8.00	4.00							50.00
03	AP	T-AP	I	12	1700	1700	FE	12.00	6.00							230.00
		M-AP	I	6	300	600	ACR									85.00
04	CAS	FEE						7.00	4.00							
		T-CAS 1	O	12	1088	1088	FE		14.00	11.00	20.00	15.00				265.00
		T-CAS 2	O	12	896	896	FE		14.00	11.00	20.00	15.00				240.00
		T-CAD	O	12	1648	1648	FE		21.00	16.00	25.00	19.00				376.00
		T-CSVT	O	6	600	600	FE		14.00	11.00						151.00
05	NPS	T-NS	I*	6	1138	2084	FE,ACR	12.00	6.00							200.00
		T-PS	I*	6	1050	1050	FE	12.00	6.00							215.00
06	VT	FEE						15.00	8.00							
		T-VT	O	4	1200	1200	FE		20.00	15.00						175.00
07	R	\$\$T-R	I*	4	704	704	FE	20.00	10.00							175.00
		T-SCM	I*	4	480	480	FE	20.00	10.00							130.00
08	CE	T-CE	I	4	800	800	OOH	15.00	8.00							150.00
09	IM	T-IM	I	6	1040	1040	FE	18.00	9.00							190.00
10	AES	\$\$T-AES	O	4	1400	1400	OOH		15.00	11.00						175.00
		M-AES	I	12	624	624	FE	15.00	8.00				30.00			90.00
11	NN	\$\$T-NN	O	6	1608	1608	FE		21.00	16.00	33.00	25.00				300.00
		\$\$T-FUZZ	O	4	520	520	FE		17.00	13.00	26.00	20.00				200.00
12	IT	T-IT	I	7	2400	2400	FE	15.00	8.00							350.00
13	IE	\$\$T-IE	I	6	700	700	FE	19.00	10.00							175.00
14	EM	T-EM	I*	4	464	464	FE	18.00	9.00							150.00
		R-EM	I*	4	200	400	ACR	18.00	9.00				20.00			108.00
15	ED	T-ED	O	12	2800	2800	FE		18.00	14.00					60.00	395.00
		L-ED	I	12	775	800	FE,ACR	12.00	6.00							40.00
16	C	T-C	O	12	1520	1520	OOH		30.00	23.00	35.00	26.00				54.00
		M-C	I	12	1200	1200	OOH	28.00	14.00							40.00
		T-SE	O	12	1200	1200	OOH		29.00	22.00	34.00	26.00				53.00
		T-PAMI	O	12	1296	1296	OOH		30.00	23.00	35.00	26.00				54.00
		T-KDE	O	6	1038	1038	OOH		30.00	23.00	35.00	26.00				54.00
		T-PDS	O	12	1392	1392	OOH		30.00	23.00	35.00	26.00				54.00
	NEW	T-VCG	O	4	400	400	OOH		17.00	13.00	22.00	17.00				31.00
		M-G&A	O	6	600	600	OOH		30.00	23.00	35.00	26.00				54.00
		M-MICRO	O	6	516	516	OOH		28.00	21.00	33.00	25.00				51.00
		M-D&T	O	4	344	344	OOH		27.00	20.00	32.00	24.00				49.00
		M-SOFT	O	6	692	692	OOH		30.00	23.00	35.00	26.00				54.00
		M-EXPERT	O	6	516	516	OOH		25.00	19.00	30.00	23.00				45.00
		M-AHC	O	4	360	360	OOH		20.00	15.00			25.00	19.00		42.00
		M-PDT	O	4	390	390	OOH		25.00	19.00	30.00	23.00				45.00
		M-MULTI	O	4	392	392	OOH		21.00	16.00	26.00	20.00				38.00

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17	MTT	M-CS&E	O	4	394	394	OOH		21.00	16.00	26.00	20.00			36.00	190.00
		FEE						8.00	4.00							
		#T-MTT	O	16	2800	2800	FE		12.00	9.00						340.00
		L-MGW	O	12	580	580	FE		7.00	5.00	15.00	11.00				170.00
18	EMB	\$\$T-BME	O	12	1256	1256	FE		22.00	17.00						350.00
		M-EMB	I	6	668	700	FE,ACR	22.00	11.00							115.00
		T-RE	O	4	460	460	FE		12.00	9.00					45.00	140.00
19	COMM	T-COMM	O	13	4000	4000	FE		27.00	20.00						295.00
		M-COMM	I	12	1200	1200	OOH	23.00	12.00				39.00			140.00
		J-SAC	O	9	1700	1700	FE		25.00	19.00						265.00
		M-NET	O	6	400	400	OOH		22.00	17.00			22.00	17.00		120.00
		\$\$M-PCS	O	6	390	390	OOH		22.00	17.00			27.00	20.00		120.00
20	UFFC	T-UFC	I	6	896	896	FE	15.00	8.00							230.00
21	CPMT	FEE						10.00	5.00							
		\$\$T-CPMT A	O*	4	850	850	FE		15.00	11.00						250.00
		\$\$T-CPMT B	O*	4	750	750	FE		15.00	11.00	15.00	11.00				250.00
22	OE	J-OE	I	4	516	516	FE	10.00	5.00							115.00
23	CS	T-AC	I	12	2400	2400	FE	15.00	8.00							420.00
		M-CS	*	6	608	608	FE				10.00	8.00				145.00
		T-CST	*	4	440	440	FE				10.00	8.00				90.00
24	RA	\$\$T-RA	I	6	960	960	FE	15.00	8.00							165.00
		M-RA	*	4	208	208	FE				7.00	5.00				50.00
25	Ed	T-Ed	I	4	400	400	FE	15.00	8.00							115.00
26	PC	T-PC	I	4	288	288	FE	15.00	8.00							85.00
27	EMC	T-EMC	I	4	460	460	FE	10.00	5.00							93.00
28	SMC	T-SMC	I	12	1820	1820	FE	17.00	9.00							250.00
29	GRS	T-GRS	I	6	1300	1300	FE	18.00	9.00							188.00
30	SIT	M-T&S	I	4	144	144	FE	19.00	10.00				21.00			105.00
31	PE	T-EC	O	4	400	800	ACR			17.00	13.00					150.00
		M-PER	I	12	950	950	FE	20.00	10.00							115.00
		T-PWRD	O	4	1050	2100	ACR			17.00	13.00					200.00
		T-PWRS	O	4	1050	2100	ACR			17.00	13.00					200.00
		M-CAP	*	4	288	288	FE									75.00
32	DEI	T-EPZ1	I	6	1224	1224	OOH	15.00	8.00							195.00
		M-EI	*	6	344	384	FE,ACR						10.00			115.00
33	MAG	T-MAG	I	6	2410	3960	FE,ACR	10.00	5.00							280.00
34	IA	T-IA	I	6	1750	1750	FE	15.00	8.00							240.00
	NEW	M-IA	*	6	408	408	FE						35.00	25.00		120.00
35	PEL	T-PEL	I	6	832	832	FE	20.00	10.00							160.00
36	LEOS	FEE						17.00	9.00							
		J-OE	O	12	2880	2880	FE		35.00	26.00						535.00
		L-PT	O	12	1936	1936	FE		18.00	14.00						290.00
	NEW	J-STOE	O**	4	1376	1376	FE		15.00	11.00	25.00	19.00				300.00
37	SSC	J-SSC	O	12	1800	1800	FE		14.00	11.00						300.00
918	TMI	T-MI	O	4	710	710	FE		19.00	14.00	27.00	20.00				160.00
919	JLT	J-LT	O	12	2390	2416	FE,ACR		32.00	24.00						495.00

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921	DIV 1	M-C&D	O	6	350	350	FE		18.00	14.00			21.00	16.00		130.00	
923	SCM	T-SM	O	4	480	480	FE		12.00	9.00						130.00	
925	ASC	\$\$T-ASC	O	4	2016	3616	FE		18.00	14.00						225.00	
926	MEMS	T-MEMS	O	4	320	320	FE		9.00	7.00	12.00	9.00				120.00	
928	NET	T-NET	O	6	1100	1100	FE		28.00	21.00	28.00	21.00			47.00	265.00	
930	VLSI	T-VLSI	O	4	528	528	FE		16.00	12.00	24.00				29.00	220.00	
				95194	102528			585.00	301.00	1104.00	839.00	740.00	540.00	250.00	98.00	975.00	20236.00

NON APP PERIODICALS

15	ED	J-ECHA	O	12	1500	1500	FE		30.00	23.00							228.00
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 Student Broad Scope: 75% of Member Price

∴ Also Included with Fee
 !∴ Member may choose either pub with membership, or both for discount
 O∴ May choose either pub as optional, or both for discount
 O** No additional cost for members subscribing to JQE
 \$\$ Society requesting list price increase of more than 20% over 1994
 # With any Non Member subscription to the Transactions, the Letters Journal will be included at no additional cost.

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Engineering in Medicine and Biology - Rehabilitation Engrg Society of North America (RESNA)
Components, Packaging, & Manufacturing Technology - American Society of Mechanical Engineers (ASME)
American Society of Quality Control (ASQC)
Transactions on Networking - Association for Computing Machinery (ACM)
Transactions on VLSI - Association for Computing Machinery (ACM)
Electron Devices-Japan Society of Applied Physics

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01	SP	T-SP	O	12	4000	4000	FE			24.00	18.00						380.00
		M-SP	I	4	320	320	FE	11.00	6.00								70.00
		T-IP	O	6	750	750	FE			18.00	14.00						175.00
		T-SA	O	4	600	600	FE			12.00	9.00						122.00
02	BT	NEW L-SP	O	12	288	288	FE			12.00	9.00						90.00
		T-BC	I	4	115	230	ACR	8.00	4.00								50.00
03	AP	T-AP	I	12	1700	1700	FE	12.00	6.00								212.00
		M-AP	*	6	240	480	ACR										85.00
04	CAS	FEE						5.00	3.00								
		T-CAS 1	O	12	1088	1088	FE			14.00	11.00	20.00	15.00				241.00
		T-CAS 2	O	12	896	896	FE			14.00	11.00	20.00	15.00				218.00
		T-CAD	O	12	1648	1648	FE			21.00	16.00	25.00	19.00				342.00
05	NPS	T-CSVT	O	6	600	600	FE			14.00	11.00						137.00
		T-NS	I*	6	1138	2084	FE,ACR	12.00	6.00								170.00
		T-PS	I*	6	1250	1250	FE	12.00	6.00								180.00
		FEE						15.00	8.00								
06	VT	T-VT	O	4	600	600	FE			20.00	15.00						145.00
		T-R	I*	4	672	672	FE	20.00	10.00								140.00
07	R	T-ASC	I*	4	424	424	FE	20.00	10.00								115.00
		T-CE	I	4	800	800	OOH	15.00	8.00								135.00
08	CE	T-IM	I	6	1040	1040	FE	18.00	9.00								165.00
		T-AES	O	4	1024	1024	OOH			15.00	11.00						140.00
09	IM	M-AES	I	12	576	576	FE	15.00	8.00								84.00
		T-NN	O	6	1268	1268	FE			14.00	11.00	24.00	18.00	30.00			137.00
10	AES	T-FUZZ	O	4	320	320	FE			10.00	8.00	15.00	11.00				100.00
		T-IT	I	6	2100	2100	FE	12.00	6.00								310.00
11	NN	T-IE	I	6	700	700	FE	18.00	9.00								140.00
		T-EM	I*	4	464	464	FE	18.00	9.00								135.00
12	IT	R-EM	I*	4	200	400	ACR	18.00	9.00					16.00			108.00
		T-ED	O	12	2800	2800	FE			18.00	14.00						395.00
13	IE	L-ED	I	12	775	800	FE,ACR	12.00	6.00								160.00
		T-C	O	12	1520	1520	FE			29.00	22.00						53.00
14	EM	M-C	I	12	1200	1200	OOH	28.00	14.00								425.00
		T-SE	O	12	1200	1200	FE			28.00	21.00						40.00
15	ED	T-PAMI	O	12	1296	1296	FE			29.00	22.00						51.00
		T-KDE	O	6	1038	1038	FE			29.00	22.00						53.00
16	C	T-PDS	O	12	1392	1392	FE			29.00	22.00						53.00
		M-G&A	O	6	600	600	OOH			29.00	22.00	29.00	22.00				53.00
17	MTT	M-MICRO	O	6	516	516	OOH			27.00	20.00	27.00	20.00				49.00
		M-D&T	O	4	344	344	OOH			26.00	20.00	26.00	20.00				47.00
18	MGW	M-SOFT	O	6	692	692	OOH			29.00	22.00	29.00	22.00				53.00
		M-EXPERT	O	6	516	516	OOH			24.00	18.00	24.00	18.00				44.00
19	PDT	M-AHC	O	4	360	360	FE			19.00	14.00			20.00	15.00		42.00
		NEW M-MULTI	O	4	390	390	FE			24.00	18.00	24.00	18.00				44.00
20	NEW M-CS&E	NEW M-MULTI	O	4	392	392	FE			20.00	15.00	20.00	15.00				36.00
		FEE						8.00	4.00	20.00	15.00	20.00	15.00				32.00
21	MTT	T-MTT	O	12	2800	2800	FE			10.00	8.00						285.00
		L-MGW	O	12	580	580	FE			7.00	5.00	15.00	11.00				150.00

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SOCIETY	PUB	I/O	# ISSUES	EQUIV PAGES	TOTAL PAGES	FE/ACR OOH	MBR FEE	STDNT FEE	MBR OPT PRICE	STDNT OPT PRICE	MBR \$50	STDNT +50	MBR BROAD SCOPE	STDNT BROAD SCOPE	SISTER SCTY RATE	INDIV NON MBR
18	EMB	T-BME	O	12	1256	1256 FE			18.00	14.00						285.00
		M-EMB	I	5	500	540 FE,ACR	18.00	9.00								105.00
		T-RE	O	4	512	512 FE			12.00	9.00					45.00	130.00
19	COMM	T-COMM	O	13	4000	4000 FE			27.00	20.00						255.00
		M-COMM	I	12	1200	1200 OOH	23.00	12.00					39.00			135.00
		J-SAC	O	9	1700	1700 FE			25.00	19.00						225.00
		M-NET	O	6	400	400 OOH			22.00	17.00			22.00	17.00		115.00
		NEW M-PCS	O	4	260	260 FE			15.00	11.00			18.00	14.00		75.00
20	UFCF	T-UFCF	I	6	896	896 FE	15.00	8.00								230.00
21	CPMT	FEE					10.00	5.00								
		NEW T-CPMT A	O*	4	700	700 FE			10.00	8.00					35.00	145.00
		NEW T-CPMT B	O*	4	700	700 FE			10.00	8.00	15.00	11.00			35.00	145.00
22	OE	J-OE	I	4	516	516 FE	10.00	5.00								115.00
23	CS	T-AC	I	12	2608	2608 FE	15.00	8.00								390.00
		M-CS	*	6	608	608 FE					7.00	5.00				136.00
		T-CST	*	4	368	368 FE					7.00	5.00				75.00
24	RA	T-RA	I	6	896	896 FE	15.00	8.00								124.00
		NEW M-RA	*	4	192	192 FE					7.00	5.00				50.00
25	Ed	T-Ed	I	4	400	400 FE	15.00	8.00								98.00
26	PC	T-PC	I	4	288	288 FE	15.00	8.00								85.00
27	EMC	T-EMC	I	4	370	370 FE	10.00	5.00								93.00
28	SMC	T-SMC	I	6	1728	1728 FE	15.00	8.00								210.00
29	GRS	T-GRS	I	6	1300	1300 FE	18.00	9.00								188.00
30	SIT	M-T&S	I	4	144	144 FE	17.00	9.00					19.00			86.00
31	PE	T-EC	O	4	400	800 ACR			17.00	13.00						150.00
		M-PER	I	12	950	950 FE	17.00	9.00								115.00
		T-PWRD	O	4	1050	2100 ACR			17.00	13.00						170.00
		T-PWRS	O	4	1050	2100 ACR			17.00	13.00						180.00
		M-CAP	*	4	288	288 FE										75.00
32	DEI	T-EPYLI	I	6	1224	1224 OOH	15.00	8.00								195.00
		M-EI	*	6	344	384 FE,ACR							10.00			115.00
33	MAG	T-MAG	I	6	2398	3948 FE,ACR	10.00	5.00								263.00
34	IA	T-IA	I	6	1750	1750 FE	15.00	8.00								240.00
35	PEL	T-PEL	I	6	832	832 FE	20.00	10.00								140.00
36	LEOS	FEE					15.00	8.00								
		J-OE	O	12	3332	3332 FE			35.00	26.00						535.00
		L-PT	O	12	1736	1736 FE			15.00	11.00						260.00
37	SSC	J-SSC	O	12	1800	1800 FE			14.00	11.00						275.00
916	THI	T-MI	O	4	676	676 FE			17.00	13.00	25.00	19.00			\$	150.00
919	JLT	J-LT	O	12	2525	2541 FE,ACR			32.00	24.00						425.00
921	DIV 1	M-C&D	O	6	275	300 FE,ACR			15.00	11.00			18.00	14.00		120.00
923	SCM	T-SM	O	4	440	440 FE			10.00	8.00						110.00
925	ASC	T-ASC	O	4	424	424 FE			14.00	11.00						115.00
926	MEMS	T-MEMS	O	4	320	320 FE			9.00	7.00	12.00	9.00				115.00
928	NET	T-NET	O	6	1000	1000 FE			25.00	19.00					45.00	240.00
930	VLSI	T-VLSI	O	4	528	528 FE			15.00	11.00					27.00	200.00
							565.00	291.00	976.00	741.00	391.00	293.00	192.00	60.00	890.00	17064.00

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SOCIETY	PUB	I/O	# ISSUES	EQUIV PAGES	TOTAL PAGES	FE/ACR OOH	MBR FEE	STDNT FEE	MBR OPT PRICE	STDNT OPT PRICE	MBR +50	STDNT +50	MBR BROAD SCOPE	STDNT BROAD SCOPE	SISTER SCTY RATE	INDIV NON MBR
NON APP PERIODICALS																
15	ED	J-ECMA	O	12	1200	1200	FE		28.00	21.00						198.00
33	MAG	TJMJ	O	12	487	950	FE,ACR		345.00	259.00						575.00
									1349.00	1021.00						17837.00

Equiv Pages: one fully edited = two author camera ready
 Student Fee: 50% of Member Fee
 Student Optional: 75% of Member Price
 Student + 50: 75% of Member Price
 Student Broad Scope: 75% of Member Price
 *: Also included with Fee
 I*: Member may choose either pub with membership, or both for discount
 O*: May choose either pub as optional, or both for discount
 \$\$: Committee requesting 25% increase over 1993

SISTER SOCIETIES:

Computer Society -- Association for Computing Machinery (ACM)
Engineering in Medicine and Biology -- Rehabilitation Engrg Society of North America (RESNA)
Components, Packaging, & Manufacturing Technology -- American Society of Mechanical Engineers (ASME)
American Society of Quality Control (ASQC)
Transactions on Networking -- Association for Computing Machinery (ACM)
Transactions on VLSI -- Association for Computing Machinery (ACM)

July 7, 1993
 file nns.wt1

then current year.

If Society fee payments are received in the period March 1 to August 31, inclusive, the amount payable shall be one-half of the annual fee, and the membership shall continue until December 31 of the then current year.

8. The IEEE annual budget shall delineate the amounts the various operating departments anticipate in payments from the Societies for services and materials and shall set the amount of direct support to be provided from IEEE general funds. This support shall be administered by the Vice President - Technical Activities. There shall be provided for each new Society matching funds of one dollar (\$1.00) for each dollar of income derived by the Society from the membership fees during the first two years.
9. All IEEE members, including those qualifying for special membership categories, may join any and all Societies upon payment of the appropriate fees. Affiliates do not qualify for any of these special categories.
10. All Society meetings shall be open to all members of the IEEE on an equal basis with Society members.
11. A Society by itself, or jointly with other organizations, may hold conferences, conventions, or offer lectures and may charge for registration, but any such charge must apply to the entire meeting and no separate registration charge shall be made for that portion of the meeting sponsored by the Society.
12. All publications of Societies, other than programs, notices, and the like, shall be subject to prior authorization of the Executive Committee and shall be made available to all IEEE members and Society Affiliates on equitable bases approved by the Executive Committee.
13. The Societies may prepare Standards recommendations, provided that advance approval for each such preparation is obtained from the Standards Board.
14. Each Society shall forward to the General Manager a copy of each meeting notice of the Society, an annual report and a financial statement for each IEEE fiscal year prepared immediately following the end thereof.
15. The officially constituted officers of a Society shall have the sole authority to obligate the funds and assets of the Society to promote the Society's activities, provided that no Society officer or representative shall have authority to contract debts for, pledge the credit of, or in any

way bind the Institute for activities prohibited by the Bylaws of the Institute, the Constitution and Bylaws of the Society, or by regulations published in the Technical Activities Manual. Returns from investment of Society funds shall be credited to the Society.

16. Each Society shall conduct its activities within the Constitution, Bylaws and other rules externally imposed which by law affect the membership and activities of the IEEE.



Society Affiliates are non-IEEE members who have been admitted by a Society to some of the rights and privileges of Society activities. In general, a Society Affiliate must be a person whose technological activities do not justify full membership in the IEEE, but who may be helped by participation in Society activities and who may contribute benefits to Society members by his/her participation in their activities. The qualifications for Society Affiliates, limits in rights and privileges, and dues shall be established by the Executive Committee. The Society Affiliate dues shall be administered in accordance with the schedule and procedures that apply to IEEE membership dues, as given in Bylaws 108 and 110.

18. Each Society may, as specified in its Constitution or Bylaws, organize subentities to manage and administer the Society in fulfilling its objectives.
19. The Societies are officially titled IEEE _____ Society or, optionally, IEEE Society on _____. The Societies are:

Aerospace and Electronic Systems
Antennas and Propagation
Broadcast Technology
Circuits and Systems
Communications
Components, Hybrids, and
Manufacturing Technology
Computer
Consumer Electronics
Control Systems
Dielectrics and Electrical Insulation
Education
Electromagnetic Compatibility
Electron Devices
Engineering Management
Engineering in Medicine and Biology
Geoscience and Remote Sensing
Industrial Electronics
Industry Applications
Information Theory
Instrumentation and Measurement
Lasers and Electro-Optics
Magnetics
Microwave Theory and Techniques
Nuclear and Plasma Sciences
Oceanic Engineering

From hwang@pierce.ee.washington.edu Mon Apr 10 11:38:56 1995
Return-Path: <hwang@pierce.ee.washington.edu>
Received: from mx4.u.washington.edu by carson.u.washington.edu
(5.65+UW95.02/UW-NDC Revision: 2.32) id AA14089;
Mon, 10 Apr 95 11:38:55 -0700
Received: from edison.ee.washington.edu by mx4.u.washington.edu
(5.65+UW95.02/UW-NDC Revision: 2.31) id AA01876;
Mon, 10 Apr 95 11:38:54 -0700
Received: from pierce.ee.washington.edu by edison.ee.washington.edu
(5.65/UW-NDC Revision: 2.6) id AA01785; Mon, 10 Apr 95 11:38:54 -0700
Received: from nimitz.ee.washington.edu.Jaimie by pierce.ee.washington.edu.Jaimie
(4.1/SMI-4.1)
id AA08884; Mon, 10 Apr 95 11:34:28 PDT
Date: Mon, 10 Apr 95 11:34:28 PDT
From: hwang@pierce.ee.washington.edu (Jenq-Neng Hwang)
Message-Id: <9504101834.AA08884@pierce.ee.washington.edu.Jaimie>
To: kung@EE.Princeton.EDU
Subject: Re: pl. relay this message to Marks
Cc: marks@ee.washington.edu
Status: RO

Sure I will do it now, and possibly put a hardcopy of your e-mail to
his secretary.

Jenq-Neng

>From kung@EE.Princeton.EDU Mon Apr 10 10:32:48 1995
Return-Path: <kung@EE.Princeton.EDU>
Received: from ee.Princeton.EDU by pierce.ee.washington.edu.Jaimie (4.1/SMI-4.1)
id AA08794; Mon, 10 Apr 95 10:32:47 PDT
Received: from tainan (kung@tainan.Princeton.EDU [128.112.48.60]) by
ee.Princeton.EDU (8.6.10/8.6.10-1) with ESMTTP
id NAA00296 for <hwang@pierce.ee.washington.edu>; Mon, 10 Apr 1995
13:37:06 -0400
From: S-Y Kung <kung@EE.Princeton.EDU>
Received: by tainan (8.6.10/viktor-1)
id NAA11675; Mon, 10 Apr 1995 13:37:04 -0400
Date: Mon, 10 Apr 1995 13:37:04 -0400
Message-Id: <199504101737.NAA11675@tainan>
To: hwang@pierce.ee.washington.edu
Subject: pl. relay this message to Marks
Status: R

From MAILER-DAEMON Mon Apr 10 12:01:26 1995
Received: from localhost (localhost) by ee.Princeton.EDU (8.6.10/8.6.10-1) with
internal
id MAA28011; Mon, 10 Apr 1995 12:01:26 -0400
Date: Mon, 10 Apr 1995 12:01:26 -0400
From: Mail Delivery Subsystem <MAILER-DAEMON>
Subject: Returned mail: Host unknown (Name server: milton.u.washington.edu:
host not found)
Message-Id: <199504101601.MAA28011@ee.Princeton.EDU>
To: <kung>

MIME-Version: 1.0
Content-Type: multipart/mixed;
boundary="MAA28011.797529686/ee.Princeton.EDU"
Status: R

This is a MIME-encapsulated message

--MAA28011.797529686/ee.Princeton.EDU

The original message was received at Mon, 10 Apr 1995 11:59:54 -0400
from kung@tainan.Princeton.EDU [128.112.48.60]

----- The following addresses had delivery problems -----
<marks@milton.u.washington.edu> (unrecoverable error)

----- Transcript of session follows -----
550 <marks@milton.u.washington.edu>... Host unknown (Name server:
milton.u.washington.edu: host not found)

----- Original message follows -----

--MAA28011.797529686/ee.Princeton.EDU
Content-Type: message/rfc822

Return-Path: kung
Received: from tainan (kung@tainan.Princeton.EDU [128.112.48.60]) by
ee.Princeton.EDU (8.6.10/8.6.10-1) with ESMTP
id LAA28009; Mon, 10 Apr 1995 11:59:54 -0400
From: S-Y Kung <kung>
Received: by tainan (8.6.10/viktor-1)
id LAA11554; Mon, 10 Apr 1995 11:59:52 -0400
Date: Mon, 10 Apr 1995 11:59:52 -0400
Message-Id: <199504101559.LAA11554@tainan>
To: kung@Princeton.EDU, t.durrani@eee.strath.ac.uk
Subject: Re: SPS Business
Cc: marks@milton.u.washington.edu

Dear Tariq,

As a follow-up of your previous e-mail,

>> ...in view of our interests and activity in Neural Networks, the SPS could
>> also promote closer ties with NNC, with a possible merger in the future.

I spoke to Bob Marks last night in NYC and conveyed our such interest.
Bob was very receptive and noted his (personal) interest to see a
closer tie between NNC and SPS. He noted also that if it indeed lead
to a merger (with either SP or CAS), there would be certain "ego"
problem. My reply was that we all anticipated issues to be resolved
by NNC and SPS. Having a channel for open dialogue should only help
our mutual understanding. Bob totally concurred and he was quite
willing to facilitate our future communication.

Will talk to you more on this in Detroit's ICASSP meeting.

Regards,

SY

--MAA28011.797529686/ee.Princeton.EDU--

From snadler@tab.ieee.org Wed Apr 26 06:14:33 1995
Return-Path: <snadler@tab.ieee.org>
Received: from mx5.u.washington.edu by carson.u.washington.edu
(5.65+UW95.02/UW-NDC Revision: 2.32) id AA07826;
Wed, 26 Apr 95 06:14:32 -0700
Received: from edison.ee.washington.edu by mx5.u.washington.edu
(5.65+UW95.02/UW-NDC Revision: 2.31) id AA17226;
Wed, 26 Apr 95 06:14:31 -0700
Received: from rab.ieee.org by edison.ee.washington.edu
(5.65/UW-NDC Revision: 2.6) id AA25087; Wed, 26 Apr 95 06:14:35 -0700
Received: from tab.ieee.org by mail.ieee.org (4.1/R-3.90-04.11.95)
id AA09191; Wed, 26 Apr 95 09:14:20 EDT
Received: from financ.ieee.org (financ.tab.ieee.org) by tab.ieee.org (4.1/I-3.20)
id AA17591; Wed, 26 Apr 95 09:14:19 EDT
Date: Wed, 26 Apr 1995 09:14:15
From: snadler@tab.ieee.org (Sharon Nadler)
To: w.karplus@ieee.org
Subject: Re: NNC
Cc: r.marks@ieee.org, jbezdek@picayune.coginst.uwf.edu
Message-Id: <QF9E4728@financ>
Status: RO

Walter,

Im starting to feel really silly now. Please adjust your Interdisciplinary figures to show Neural Networks: 477 and Fuzzy Systems: 217.

Once again these stat reports are not user friendly when you are learning.

Thanks,
Sharon

Forwarded message follows:

Date: Wed, 26 Apr 1995 08:38:26
From: snadler (Sharon Nadler)
To: w.karplus@ieee.org
Subject: Re: NNC
Cc: r.marks@ieee.org, jbezdek@ai.uwf.edu, h.zazza

Walter,

Bare with me. These stat reports are a brand new animal for me. I have now gone through the stat report with Heidi and realized I did not recognize "Interdisciplinary" members. I believe this is the missing link. So here goes:

Fuzzy Systems
Sponsoring S/C's: 5965
Interdisciplinary : 204

Neural Networks:
Sponsoring S/C's: 7193
Interdisciplinary: 458

From snadler@tab.ieee.org Thu Apr 20 07:34:02 1995
Return-Path: <snadler@tab.ieee.org>
Received: from mx4.u.washington.edu by
carson.u.washington.edu
(5.65+UW95.02/UW-NDC Revision: 2.32) id AA16366;
Thu, 20 Apr 95 07:34:01 -0700
Received: from edison.ee.washington.edu by
mx4.u.washington.edu
(5.65+UW95.02/UW-NDC Revision: 2.31) id AA03995;
Thu, 20 Apr 95 07:33:52 -0700
Received: from rab.ieee.org by edison.ee.washington.edu
(5.65/UW-NDC Revision: 2.6) id AA12884; Thu, 20 Apr 95
07:33:58 -0700
Received: from tab.ieee.org by mail.ieee.org (4.1/R-3.90-
04.11.95)
id AA05046; Thu, 20 Apr 95 10:33:46 EDT
Received: from financ.ieee.org (financ.tab.ieee.org) by
tab.ieee.org (4.1/I-3.20)
id AA19459; Thu, 20 Apr 95 10:33:45 EDT
Date: Thu, 20 Apr 1995 10:33:37
From: snadler@tab.ieee.org (Sharon Nadler)
To: w.karplus@ieee.org, jbezdek@picayune.coginst.uwf.edu,
r.marks@ieee.org
Subject: Re: NNC
Cc: h.zazza@ieee.org
Message-Id: <QF9670C2@financ>
Status: RO

Walter,

My apologies. I have found the error: for Society #1
(Signal Processing
Society), please add 6 to your subscriber list. The total
for Society #1
should be 1321 subscribers. For Society #19 (Communication
Society), please
subtract 284. The total subscriber count for Society #19
should be 313.
The totals for both questions (#1 and #4) should now match
and come to
grand total of 5965.

I hope this hasn't caused any inconvenience for you.

Sincerely,
Sharon

Forwarded message follows:

Date: Wed, 19 Apr 1995 14:43:30
From: snadler (Sharon Nadler)
To: w.karplus@ieee.org

From karplus@CS.UCLA.EDU Sun Apr 23 11:21:03 1995
Return-Path: <karplus@CS.UCLA.EDU>
Received: from mx4.u.washington.edu by carson.u.washington.edu
(5.65+UW95.02/UW-NDC Revision: 2.32) id AA18079;
Sun, 23 Apr 95 11:21:02 -0700
Received: from Lanai.CS.UCLA.EDU by mx4.u.washington.edu
(5.65+UW95.02/UW-NDC Revision: 2.31) id AA29993;
Sun, 23 Apr 95 11:21:01 -0700
Received: by lanai.cs.ucla.edu
(Sendmail 4.1/3.27) id AA24902;
Sun, 23 Apr 95 11:20:57 PDT
Date: Sun, 23 Apr 95 11:20:56 PDT
From: Dr Walter Karplus <karplus@CS.UCLA.EDU>
Message-Id: <950423.182056z.24817.karplus@lanai.cs.ucla.edu>
To: marks@u.washington.edu, jbezdek@dcsuwf.dcsnod.uwf.edu
Subject: CIS
Status: RO

Bob and Jim:

In looking ahead to our Adcom meeting, I would like us to do our best to minimize the amount of money that we may have to distribute to our sponsoring societies. In that spirit I would like us to build the following argument:

The sponsoring societies have received a \$ 2K distribution, for zero investment. But that is only a small part of the financial benefits that their members have received. Specifically all of their members who have subscribed to our transactions have received the member's discount each year. At \$? per year for each transaction, integrated over the x years that we have been publishing transactions and considering the y and z subscribers that we have had each year, sponsoring society members have saved \$X is subscription fees. That make s the \$ 2K pale by comparison.

Could you please help me to come up with a plausible, but high estimate for ?,x,y,z and X?

Thanks,

Walter

I hope this solves it!

Thanks and regards,
Sharon

Forwarded message follows:

Date: Thu, 20 Apr 95 09:11:39 PDT
From: Dr Walter Karplus <karplus@CS.UCLA.EDU>
To: snadler (Sharon Nadler)
Subject: Re: NNC

Sharon:

Thanks for your message. Sorry to keep beating on the issue of who subscribes to the NNC Transactions, but some members of our AdCom are nit pickers.

Your figures for the Transactions on Fuzzy Systems show that a total of 5965 IEEE members subscribe. The revised figures that you just sent me now show that 5965 members of our sponsoring societies subscribe. That implies that there are no subscribers who are IEEE members but not members of the sponsoring societies. That seems unlikely.

Note that for the Transactions on Neural Networks, a total of 7193 IEEE members subscribe; of these your figures show that 6614 belong to our sponsoring societies. That seems reasonable.

Sorry again,

Walter

Dear Colleague,

Further to my e-mail of 7 June. Please note that the date should be Wednesday, 21 June and not Wednesday, 22 June. The meeting room is the Roosevelt Room in the Sheraton Hotel. I look forward to seeing youay 9.00pm.

Yours sincerely,

Madan G. Singh

Our AdCom meeting will take place at the Washington Hilton Hotel, 1919 Connecticut Ave. NW, Washington, DC on June 22, 1995 starting at 10:00am.

NNC ExCom

PETITION:

I am a member (non-student) of the IEEE and have a technical interest in the activities of the IEEE Neural Networks Council. I hereby petition TAB to consent to NNC becoming an IEEE Society, with a Field of Interest or Scope identical (except for the change of the word Council to the word Society) identical to the current Field of Interest of NNC.

Signed: _____ IEEE Member #: _____

Date: _____

That field of interest is:

FIELD OF INTEREST

The Field of Interest of the Society shall be the theory, design, application, and development of biologically and linguistically motivated computational paradigms emphasizing neural networks, connectionist systems, genetic algorithms, evolutionary programming, fuzzy systems, and hybrid intelligent systems in which these paradigms are contained. Changes to the field of interest may be made with the approval of the IEEE Technical Activities Board.

From kung@EE.Princeton.EDU ~~Robert J. Marks II Library Archive~~
Return-Path: <kung@EE.Princeton.EDU>
Received: from ee.Princeton.EDU by pierce.ee.washington.edu.Jaimie (4.1/SMI-4.1)
id AA08794; Mon, 10 Apr 95 10:32:47 PDT
Received: from tainan (kung@tainan.Princeton.EDU [128.112.48.60]) by ee.Princeton.E
id NAA00296 for <hwang@pierce.ee.washington.edu>; Mon, 10 Apr 1995 13:37:06
From: S-Y Kung <kung@EE.Princeton.EDU>
Received: by tainan (8.6.10/viktor-1)
id NAA11675; Mon, 10 Apr 1995 13:37:04 -0400
Date: ~~Mon, 10 Apr 1995 13:37:04 -0400~~
Message-Id: <199504101737.NAA11675@tainan>
To: hwang@pierce.ee.washington.edu
Subject: pl. relay this message to Marks
Status: R

FROM MAILER-DAEMON Mon Apr 10 12:01:26 1995
Received: from localhost (localhost) by ee.Princeton.EDU (8.6.10/8.6.10-1)
id MAA28011; Mon, 10 Apr 1995 12:01:26 -0400
Date: Mon, 10 Apr 1995 12:01:26 -0400
From: Mail Delivery Subsystem <MAILER-DAEMON>
Subject: Returned mail: Host unknown (Name server: milton.u.washington.edu:
Message-Id: <199504101601.MAA28011@ee.Princeton.EDU>
To: <kung>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="MAA28011.797529686/ee.Princeton.EI
Status: R

This is a MIME-encapsulated message

--MAA28011.797529686/ee.Princeton.EDU

The original message was received at Mon, 10 Apr 1995 11:59:54 -0400
from kung@tainan.Princeton.EDU [128.112.48.60]

----- The following addresses had delivery problems -----
<marks@milton.u.washington.edu> (unrecoverable error)

----- Transcript of session follows -----
550 <marks@milton.u.washington.edu>... Host unknown (Name server: milton.u.

----- Original message follows -----

--MAA28011.797529686/ee.Princeton.EDU
Content-Type: message/rfc822

Return-Path: kung
Received: from tainan (kung@tainan.Princeton.EDU [128.112.48.60]) by ee.Pri
id LAA28009; Mon, 10 Apr 1995 11:59:54 -0400
From: S-Y Kung <kung>
Received: by tainan (8.6.10/viktor-1)
id LAA11554; Mon, 10 Apr 1995 11:59:52 -0400
Date: Mon, 10 Apr 1995 11:59:52 -0400
Message-Id: <199504101559.LAA11554@tainan>
To: kung@Princeton.EDU, t.durrani@eee.strath.ac.uk
Subject: Re: SPS Business
Cc: marks@milton.u.washington.edu

Dear Tariq,

As a follow-up of your previous e-mail,

>> ...in view of our interests and activity in Neural Networks, the SPS cc
>> also promote closer ties with NNC, with a possible merger in the future.

I spoke to Bob Marks last night in NYC and conveyed our such interest.
Bob was very receptive and noted his (personal) interest to see a

closer tie between NNC and SPS so that if it indeed lead to a merger (with either SP or CAS), there would be certain "ego" problem. My reply was that we all anticipated issues to be resolved by NNC and SPS. Having a channel for open dialogue should only help our mutual understanding. Bob totally concurred and he was quite willing to facilitate our future communication.

Will talk to you more on this in Detroit's ICASSP meeting.

Regards,

SY

--MAA28011.797529686/ee.Princeton.EDU--

From jbezdek@dcsuwf.dcsnod.uwf.edu Thu Jun 8 07:12:21 1995
Return-Path: <jbezdek@dcsuwf.dcsnod.uwf.edu>
Received: from mx4.u.washington.edu by carson.u.washington.edu
(5.65+UW95.05/UW-NDC Revision: 2.33) id AA13339;
Thu, 8 Jun 95 07:12:20 -0700
Received: from atlantis.cc.uwf.edu by mx4.u.washington.edu
(5.65+UW95.05/UW-NDC Revision: 2.31) id AA15648;
Thu, 8 Jun 95 07:12:19 -0700
Received: from dcsuwf.dcsnod.uwf.edu (dcsuwf.dcsnod.uwf.edu [143.88.1.3]) by atlantis.cc.uwf.edu
(8.6.9/8.6.9) with SMTP id JAA18391; Thu, 8 Jun 1995 09:14:17 -0500
From: jbezdek@dcsuwf.dcsnod.uwf.edu
Received: from [143.88.1.122] (jbezdek.dcsnod.uwf.edu) by dcsuwf.dcsnod.uwf.edu (4.1/SMI-4.0)
id AA19590; Thu, 8 Jun 95 09:05:23 CDT
Message-Id: <9506081405.AA19590@dcsuwf.dcsnod.uwf.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 8 Jun 1995 09:16:31 -0600
To: marks@u.washington.edu, karplus@cs.ucla.edu
Subject: fuzziee for webheads
Status: R

Bob Marks : whoever is setting up our home page should link the following
data to it. This is the quick answer us fuzzy guys have for your dour note
about the INNS. But I don't know what to do with it.

I guess we should create a position - NNC webhead ? - and appoint someone
to get on this crap. Or assign it to the secretary of the NNC?

>Date: Thu, 08 Jun 1995 15:15:52 +0200
>From: mantaras@sinera.iiia.csic.es (Ramon Lopez de Mantaras)
>Subject: fuzziee
>X-Sender: mantaras@sinera
>To: jbezdek@dcsuwf.dcsnod.uwf.edu
>Mime-Version: 1.0
>
>Dear Jim,
>
>We have created a web page that gives information about the conference. The
>address is
>
> <http://www.iiia.csic.es/fuzziee97.html>
>
>Ramon
>
>
>

> / / / / Ramon Lopez de Mantaras
> / / / / IIIA - Artificial Intelligence Research Institute
> / / / / CSIC - Spanish Scientific Research Council
> / / / / Campus Universitat Autònoma de Barcelona

> / / _ | 08193 Bellaterra, Spain
>
> voice: +34-3-580 95 70 fax: +34-3-580 96 61
> mantaras@iia.csic.es http://www.iia.csic.es
>

>
>
>
>

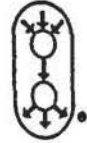
=

Jim Bezdek
Computer Science Dept.
Univ. of West Florida
Pensacola, FL 32514
(O) 904-474-2784
(H) 904-479-3817
(F) 904-474-3023
jbezdek@dcsuwf.dcsnod.uwf.edu
jbezdek@ai.uwf.edu (sometimes dcs is cranky - if so, try this different server)
jbezdek@uwf.bitnet (last resort, but still works fine)

=



NEURAL NETWORKS COUNCIL



Walter J. Karplus
President

PLEASE REPLY TO:
3732 Boelter Hall, UCLA
Los Angeles, CA 90095-1596 USA
Tel: (310) 825-2929
Fax: (310) 825-2273
E-mail: karplus@cs.ucla.edu

March 17, 1995

Prof. Robert J Marks II
University Of Washington
Department Of Electrical Engineering
C/O 1131 199th Street S.W., Ste N
Lynnwood, WA 98036-7138

Dear NNC AdCom Member:

At it's meeting on March 11, 1995 the NNC Meetings Committee discussed a number of proposed meetings. Three of these proposals were approved by the committee and presented to the AdCom on March 12, 1995.

At the AdCom the General Chairs and the location of the meetings were approved. It was decided however to conduct a mail ballot as far as the budgets for the three conferences are concerned.

The three conferences are:

1. 1996 IEEE International Conference on Evolutionary Computing (ICEC'96) General Chair: Prof. Toshio Fukuda
Nagoya, Japan May 20-22, 1996 Seed Money: 0
Projected Surplus: 1185K Yen NNC Share: 60%
2. 1997 Fuzz-IEEE General Chair: Professor Ramon Lopez de Manataras
Barcelona, Spain July, 1997 Seed Money: \$ 40,000
Projected Surplus: \$ 48,000 NNC Share 100%
3. 1998 World Congress on Computational Intelligence
General Chair: Patrick K. Simpson Anchorage, Alaska
May 7-12, 1998 Seed Money: \$ 50,000
Projected Surplus: \$ 278,000 NNC Share: 95%

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

1995 IEEE Neural Networks Council Document
Robert J. Marks II Library Archive

1998 World Congress on Computational Intelligence

**A Proposal to the
IEEE Neural Networks Council**

Prepared by

Patrick K. Simpson
Scientific Fishery Systems, Inc.
xm8@sdcc12.ucsd.edu
619/675-7080

Peggy Looney
Anchorage Convention and Visitors Bureau
907/276-4118

**March 11-12, 1994
Raleigh, NC**

Robert J. Marks II Library Archive

To: Prof. James C. Bezdek, Vice-President of Meetings IEEE NNC

Proposal to Host the FUZZ-IEEE ⁹⁷98 Conference

Barcelona, Spain

~~3-7, July 1998~~

Prepared by

Dr. Ramon López de Mántaras

on behalf of

FUZZ-IEEE 98 Barcelona Candidature Committee*

Spain has been at the forefront of research in Fuzzy Sets and Systems since the mid seventies, and continues to be one of the most active countries in the field, with a community of almost 200 "fuzzy" researchers coordinated through the recently created Spanish Fuzzy Logic & Fuzzy Technology Association.

After talking to many well known and active researchers in the field both from Europe and from the USA and after being encouraged by them, we, the candidature committee, are pleased to officially put forward this proposal to host such an important event for the first time in Europe.

The venue would be at the Hotel Barcelona Sants, a brand new four star Hotel with excellent conference room facilities which has offered a double room price for 1997 of \$100.00 (at today's exchange rate of \$1 = 120 pts.). We must say that this is a very good price. However we also must point out that the conference rooms are not free of charge (they never are in Europe) but cost about \$20,000 (1997 price) for five days based on the estimation that we might need six rooms in parallel during the three days of the main conference.

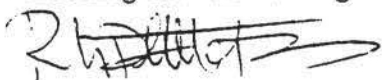
Together with this proposal letter, please find enclosed the following additional items:

1. Budget
2. Promotion literature on Barcelona Town
3. Hotel Barcelona Sants Floor Plans
4. Promotional literature of the Hotel Barcelona Sants
5. Letter of support of the General Manager of the Barcelona Convention Bureau

We understand that this material is all what is needed in order that our candidature can be considered. However, if you need further information please contact Dr. López de Mántaras at the following address and e-mail:

Dr. Ramon López de Mántaras
 Institut d'Investigació en Intel·ligència Artificial, IIIA
 Spanish Scientific Research Council, CSIC
 Campus Universitat Autònoma de Barcelona
 08193 Bellaterra, Spain
 e-mail: mantaras@iia.csic.es

Looking forward hearing from you,



R. López de Mántaras
 November, 23, 1994

*The Barcelona candidature committee is composed of the following persons: Miguel Delgado, Francesc Esteva, Pere García, Lluís Godo, Joan Jacas, María Teresa Lamata, Ramon López de Mántaras, Alejandro Sobrino, Enric Trillas, Llorenç Valverde, José Luis Verdegay and Amparo Vila.

1996 IEEE International Conference on Evolutionary Computing (ICEC'96)

May 20-22, 1996
Nagoya University, Nagoya, JAPAN

Co-Sponsored by IEEE Neural Network Council (NNC)
Society of Instrumentation and Control Engineers (SICE)

TOPICS:

- Theory of evolutionary computation
- Applications of evolutionary computation
- Efficiency / robustness comparisons with other direct search algorithms
- Parallel computer implementations
- Artificial Life and biologically inspired evolutionary computation
- Evolutionary algorithms for computational intelligence
- Comparisons between difference variants of evolutionary algorithms
- Machine learning applications
- Genetic Algorithm and selforganization
- Evolutionary computation for neural networks
- Fuzzy logic in evolutionary algorithms
- Applications

SUBMISSION PROCEDURE:

Prospective authors are invited to submit papers related to the listed topics for oral or poster presentation. Five(5) copies of the paper must be submitted for review. Papers should be printed on letter size white paper, written in English in one-column format in Times or similar font style, 10 points or larger with 2.5 cm margins on all four sides. A length of four pages is encouraged, and a limit of six pages, including figures, tables and references will be enforced.

Centered at the top of the first page should be the complete title and the name(s), affiliation(s) and address(es) of the author(s). Papers should be sent to:

Toshio Fukuda, General Chair
Nagoya University
Dept. of Micro System Engineering and
Dept. of Mechano-Informatics and Systems
Furo-cho, Chikusa-ku, Nagoya 464-01, JAPAN
Phone: +81-52-789-4478 Fax: +81-52-789-3909
E-mail: fukuda@mein.nagoya-u.ac.jp

All correspondence regarding the conference should also be addressed to the above address.

ICEC'96 will be organized in conjunction with conference of Artificial Life (May 16-18, 1996, Kyoto, JAPAN).

IMPORTANT DATES:

Proposal for tutorial and exhibits	November 30, 1995
Submission of Papers	December 31, 1995
Notification of acceptance	February 20, 1996
Submission of camera-ready papers	March 20, 1996

PROGRAM CO-CHAIRS:

Zbignew Michalewicz	Thomas Baeck	Hiroaki Kitano
University of North Carolina	University of Dortmund	Sony Computer Science Laboratory

IEEE TECHNICAL ACTIVITIES
IEEE CONFERENCE INFORMATION SCHEDULE

See reverse side for instructions on how to complete this form

CONFERENCE

1. Full Title of Conference 1996 IEEE International Conference on Evolutionary Computation (ICEC '96)
2. Dates of Conference May 20 - 22, 1996
3. Location of Conference (full name and address) Nagoya Univ., Furo-cho, Chikusa-Ku, Nagoya

4. Estimated Attendance 200 5. Exhibits Yes No
6. Will there be a Conference Publication? Yes No
If yes, check one: Conference Record Other (explain) _____

7. Identify IEEE entity(s) involved as either Sponsor, Co-Sponsor, Technical Co-Sponsorship or Cooperating and the percentage of involvement. These terms are defined on the reverse side.

Entity	Type of Involvement				Percentage
	S	CS	T	C	
IEEE NAIC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	60
Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____
Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____
Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____

Identify Non-IEEE entity(s) involved and the percentage of involvement:

Entity <u>SICE</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% <u>40</u>
Entity _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% _____

8. Has the section within whose geographical boundaries the Conference is being held been notified? Yes No

If yes, who was contacted? Secretary Sachio Ishioka IEEE Tokyo Section
Name Section

9. Has an IEEE Conference Insurance Form been submitted? Yes No

ADMINISTRATION

For the following Conference officers, enter first name, middle initial and last name, plus complete address and telephone number.

CONFERENCE CHAIRMAN Toshio Fukuda
Address Nagoya University, Dept. of Micro System Eng. Furo-cho, Chikusa-ku
Nagoya Aichi 464-01 JAPAN
Tel. No. +81-52-789-4478 Fax No. +81-52-789-3909 E-Mail fukuda@meih.nagoya-u.ac.jp

INFORMATION CONTACT Toshio Fukuda
Address Nagoya University, Dept. of Micro System Eng., Furo-cho, Chikusa-ku
Nagoya Aichi 464-01 JAPAN
Tel. No. +81-52-789-4478 Fax No. +81-52-789-3909 E-Mail fukuda@meih.nagoya-u.ac.jp

COMMITTEE MEMBERS

If available, please attach to this form a complete list of Conference Committee members, their titles, addresses, and telephone numbers.

SUBMITTED BY: Toshio Fukuda
Address Nagoya Univ., Dept. of Micro System Eng. Furo-cho, Chikusa-ku, Nagoya Aichi
464-01 JAPAN
Tel. No. +81-52-789-4478 Fax No. +81-52-789-3909 E-Mail fukuda@meih.nagoya-u.ac.jp
Conference Position Conference Chairman

SIGNATURE Toshio Fukuda Date Nov. 8, 1996

RETURN TO: IEEE CONFERENCE SERVICES
445 HOES LANE, P.O. BOX 1331, PISCATAWAY, N.J. 08855-1331, U.S.A.

FAX: (908) 562-1571
KEEP A COPY FOR YOUR RECORDS
Robert J. Marks II Library Archive



IEEE TECHNICAL ACTIVITIES
IEEE CONFERENCE DETAILED FINANCIAL REPORT - PART II: EXPENSE

This form should be completed only for IEEE sponsored or cosponsored Conferences. The care taken in filling out this report will lead a more accurate projection of your Conference's net surplus or loss.

NOTE: All expense items may be expressed in either U.S. Dollars or in local currency.

Full title of Conference 1996 IEEE International Conference on Evolutionary Computing
(ICEC-96) Dates of Conference May 20 (Mon.) - 22 (Wed.)

PROMOTION	Budget	Interim Report	Final Report
Printing/Call for Papers	¥\$ 150K	\$	\$
Printing/Advance Program	150K		
Printing/Final Program	150K		
Mailing Lists/Labels	100K		
Postage	600K		
Other	100K		
Total	¥\$ 1,250K	\$	\$
CONFERENCE PUBLICATION			
Conference Record/Digest Printing	¥\$ 1,500K	\$	\$
Author Kits Printing	100K		
Shipping to Site and IEEE Hq.	150K		
Total	¥\$ 1,750K	\$	\$
EXHIBITS (Attach detailed statement of all expenses necessary to mount and display exhibits.)	Total ¥\$ 0	\$	\$
SOCIAL FUNCTIONS (Itemize event on separate sheets.)	Total ¥\$ 875K	\$	\$
ADMINISTRATION			
Insurance & Bonding	¥\$ 200K	\$	\$
Security & Guard Service	100K		
Projection Equip. Rent & Operator	300K		
Management, Secretarial Services	1,000K		
Office Equip. Rental	500K		
Printing forms, Tickets, Stationery, Etc.	100K		
Posters, Signs, Badges, Etc.	200K		
Telephone	200K		
Transportation	200K		
Gratuities, Etc. (Attach Details)	0		
Total	¥\$ 2,800K	\$	\$
ALL OTHER			
Committee Expenses	¥\$ 200K	\$	\$
Other (Attach Details)			
Total	¥\$ 200K	\$	\$
TOTAL EXPENSES	\$ 6,875K	\$	\$

CURRENCY

State here the currency utilized in above computations, e.g., U.S. Dollars, Swiss Francs, etc.

Currency utilized: JAPANESE YEN

In the event a currency other than the U.S. Dollar is utilized, it will be necessary to convert to U.S. Dollars - at the current conversion rate - when submitting your final Summary Financial Report to IEEE.

SUBMITTED BY:

Name Toshio Fukuda Tel. No. (+81) 52 - 789 - 4478
Address Nagoya Univ. Furo-cho, Chikusa-ku, Nagoya 464-01, JAPAN
Conference Position Conference Chairman

SIGNATURE Toshio Fukuda Date _____

NOTE: BE SURE TO COMPLETE AND RETURN ALL FINANCIAL FORMS TOGETHER ("SUMMARY REPORT", "PART I: INCOME", "PART II: EXPENSE" AND "SOCIAL FUNCTIONS").

RETURN TO: IEEE CONFERENCE SERVICES
445 HOES LANE, P.O. BOX 1331, PISCATAWAY, N.J. 08855-1331, U.S.A.

SOCIAL FUNCTIONS

- | | | |
|--|-----------------|----------|
| (1) Coffee, pastries, etc., between sessions
No. Breaks <u>4</u> X No. people <u>175</u> X \$/person <u>250</u> | ¥\$ <u>175k</u> | \$ _____ |
| (2) Luncheons
No. Luncheons _____ X No. people _____ X \$/person _____ | ¥\$ <u>0</u> | \$ _____ |
| (3) Receptions
No. Receptions <u>1</u> X No. people ¹⁷⁵ X \$/person <u>4,000</u> | ¥\$ <u>700k</u> | \$ _____ |
| (4) Banquets
No. Banquets _____ X No. people _____ X \$/person _____ | ¥\$ <u>0</u> | \$ _____ |
| (5) Speakers Hospitality
No. people X \$/person _____ | ¥\$ <u>0</u> | \$ _____ |
| (6) Transportation (courtesy bus, etc.)..... | ¥\$ <u>0</u> | \$ _____ |
| Companies providing chartered bus services must submit proof of a current and valid certificate of insurance during the dates of the event with coverage of at least 1 million dollars. A copy of this certificate should be submitted with the IEEE Conference Insurance form. IEEE Insurance coverage does not cover boat or air transportation. | | |
| (7) Other social functions expenses (specific)..... | ¥\$ <u>0</u> | \$ _____ |

TOTAL SOCIAL FUNCTION EXPENSES

¥\$ 875k \$ _____

SOCIAL COST PER ATTENDEE

¥\$ 5,000 \$ _____


NOTE: BE SURE TO COMPLETE AND RETURN ALL FINANCIAL FORMS TOGETHER ("PART I: INCOME", "PART II: EXPENSE", "SOCIAL FUNCTIONS" AND "SUMMARY REPORT").

The proposed budgets for these meetings are attached. Please study them carefully and contact Jim Bezdek if you have any questions. It is very important that we know how you stand by April 3, 1995.

You may cast your vote by completing the attached form, or you may inform me of your votes by e-mail at: karplus@cs.ucla.edu

Thank you for acting promptly on this important issue.

Sincerely,

A handwritten signature in black ink, appearing to read "Walter", with a long horizontal flourish extending to the right.

Walter J. Karplus
President

cc: Sponsoring Societies Presidents



IIIA

Institut d'Investigació en Intel·ligència Artificial
Consell Superior de Investigacions Científiques
Campus Universitat Autònoma de Barcelona
08193 Bellaterra
tel: +34-3-580 95 70 Fax: +34-3-580 96 61
Email: manraras@iia.csic.es
WWW: <http://www.iia.csic.es>

To: Prof. Jim Bezdek	Date: monday, 12/12/94
From: Ramon López de Mántaras	Fax Num: 07-1-904-474-3023
Subject: FUZZ-IEEE 97 budget	Pages (incl. this one) 1

Dear Prof. Jim Bezdek,

Please find enclosed the new budget corresponding to the candidature of Barcelona to host the FUZZ-IEEE'97 Conference. The dates would be either the first or the second week of July 1997 and the place would be the Hotel Barcelona Sants. The budget shows now a surplus payable to the IEEE that corresponds to a 12.9% of the gross income. To appreciate this figure you should take into account that in Europe hotels do charge for the conference rooms (in our case 19,000 dollars) otherwise the surplus would have been about 1.8%. It is the best we can do because we cannot artificially show a 15% surplus after paying the conference rooms without taking a serious risk of having a very unrealistic budget.

Sincerely yours

Ramon López de Mántaras

FUZZ-IEEE 97 Financial Budget

	Qty.	Fee	Budget	TOTALS
Part I: INCOME				
REGISTRATIONS FEES*				
MEMBERS				
Registered before Feb.-1-97	80	\$500.00	\$40,000.00	
Registered after Feb.-1-97	30	\$550.00	\$44,000.00	
Registered at Conference	170	\$600.00	\$102,000.00	
NONMEMBERS				
Registered before Feb.-1-97	45	\$600.00	\$27,000.00	
Registered after Feb.-1-97	25	\$650.00	\$16,250.00	
Registered at Conference	25	\$700.00	\$17,500.00	
STUDENTS				
Registered before Feb.-1-97	20	\$125.00	\$2,500.00	
Registered after Feb.-1-97	20	\$135.00	\$2,700.00	
Registered at Conference	40	\$145.00	\$5,800.00	
	505			\$257,750.00
CONFERENCE SALES				
To members	20	\$60.00	\$1,200.00	
To non members	20	\$90.00	\$1,800.00	
To IEEE Headquarters	100	\$35.00	\$11,000.00	
	440			\$17,000.00
EXHIBITS				
Booths/Publishers	10	\$900.00	\$9,000.00	
Booths/All others	12	\$1,200.00	\$14,400.00	
	22			\$23,400.00
ALL OTHER				
Tutorial, one only	50	\$270.00	\$13,500.00	
Tutorials	150	\$400.00	\$60,000.00	
	200			\$73,500.00
				TOTAL INCOME (without seed money): \$371,650.00
				SEED MONEY ADVANCE \$40,000.00
				TOTAL INCOME: \$411,650.00
* Registration fees except for students include a dinner banquet with entertainment evaluated at around \$125.00				

FUZZ IEEE 97 Financial Budget

Part II: EXPENSES			
PROMOTION			
Brochure printing			\$13,500.00
Program/prod and printing			\$3,500.00
Mailing list and labels			\$3,500.00
Postage			\$17,000.00
Mailing house			\$5,500.00
Advertising			\$10,000.00
Conference Posters			\$1,500.00
Other/Souvenir Items			\$5,500.00
			\$60,000.00
CONF. PUBLICATION			
Proceedings Printing	900	\$28.00	\$25,200.00
Comm. w./auth./sess. chairs			\$3,500.00
Shipping (IEEE Conference)			\$2,000.00
			\$30,700.00
EXHIBITS			
Signage			\$1,000.00
Prospectus and Contract			\$1,000.00
Furniture			\$3,000.00
Comm. w. Exhibitors			\$1,000.00
			\$6,000.00
SOCIAL FUNCTIONS			
Org. Committee Breakfast			\$2,000.00
Coffee Breaks/Tutorials			\$2,000.00
Coffee Breaks/Committee			\$2,000.00
Coffee Breaks/Conference			\$19,000.00
Opening Reception			\$4,500.00
Banquet			\$51,000.00
			\$80,500.00

FUZZ-IEEE 97 Financial Budget

ADMINISTRATION			
Insurance and bonding		\$200.00	
Security and guard service		\$1,000.00	
Audio-video rental and op.		\$4,500.00	
Mgt. Fee (Sliding Scale)		\$19,000.00	
Office Equipment Rental		\$2,000.00	
Pr forms tickets, stat., etc.		\$1,500.00	
Signs, badges, etc.		\$3,000.00	
Telephone, FAX, Copying		\$4,500.00	
Regist. help/bookkeeping		\$7,500.00	
Registration supplies		\$1,000.00	
Contingency Fee Provision		\$9,500.00	
Prog. Committee Travel		\$14,000.00	
Chairman's Discr. Budget		\$14,000.00	
<i>Conference rooms rental**</i>		\$19,000.00	
			\$100,700.00
ALL OTHER			
Tutorials/Signage		\$2,000.00	
Tutorials/Notebooks		\$5,500.00	
Tutorials/Audiovisual		\$2,000.00	
Tutorials/Honor/Expenses		\$14,000.00	
Invited Speakers Expenses		\$11,000.00	
Audit		\$5,500.00	
Voluntary Help Expenses		\$5,500.00	
			\$45,500.00
	TOTAL EXPENSES		\$323,400.00
	LOAN REPAYMENT		\$40,000.00
	TOTAL OUTLAYS		\$363,400.00
	TOTAL INCOME:		\$411,650.00
	TOTAL OUTLAYS:		\$363,400.00
	SURPLUS:		\$48,250.00
** Take into account that in Europe the conference rooms are not free of charge.			

* payable to the IEEE

ICNN'96 - Committee Members

Organizing Committee

Benjamin Wah, General Chair
University of Illinois, Urbana-Champaign

Bing Sheu, Program Chair
University of Southern California

Jenq-Neng Hwang, Tutorial Chair
University of Washington

Jacek M. Zurada, Plenary/Special Session Chair
University of Louisville

Mohammed Ismail, Panels Chair
Ohio State University

Joseph Cavallaro, Publicity Chair
Rice University

Toshio Fukuda, International Liason Chair
Nagoya University

Clifford Lau, Local Arrangements Chair
Office of Naval Research

Pradip K. Srimani, Proceedings Chair
Colorado State University

Edgar Sanchez-Sinencio, Awards Chair
Texas A&M University

Peter J. Wahle, Finance Chair
University of Illinois, Urbana-Champaign

Program Committee Technical Areas

Applications

Chair: Mary Lou Padgett
Co-Chair: Oscar Chen

Supervised/Unsupervised Learning

Chair: V. David Sanchez
Co-Chair: TBA

Learning and Memory

Chair: Igor Aleksander
Co-Chair: TBA

Biological and Cellular Neural Networks (Including Neurodynamics, Neuroscience, Cognitive Science, Pulsed Networks)

Chair: Tamas Roska
Co-Chair: TBA

Electronics & Optical Implementation

Chair: Lex Akers
Co-Chair: Angel Rodriguez-Vazquez

Pattern Recognition and Image Processing

Chair: Yu Hen Hu
Co-Chair: Lars Kai Hansen

Intelligent Control and System Identification

Chair: Lyle H. Ungar
Co-Chair: Alexander G. Parlos

Robotics and Machine Vision

Chair: Antti Koivo
Co-Chair: Gamze Erten

Optimization and Associative Memory

Chair: Andreas Andreou
Co-Chair: Jose de Gyvez

Speech Processing, Time Series, Filtering

Chair: Allen Gorin
Co-Chair: S. Katagiri

Architectures and Hybrid Systems

Chair: Thomas P. Caudell
Co-Chair: Christian Omlin

Hybrid Systems, Computational Intelligence, Fuzzy Neural Systems

Chair: Russell C. Eberhart
Co-Chair: Mohamed Kamel

CALL FOR PAPERS AND TUTORIAL PROPOSALS**INTERNATIONAL CONFERENCE ON NEURAL NETWORKS (ICNN'96)**

Sheraton Washington Hotel, Washington, DC, USA

TUTORIALS: June 2, 1996, CONFERENCE: June 3-6, 1996

This conference is a major international forum for researchers, practitioners, managers, and policy makers interested in the design, development, and application of natural and artificial neural networks. Submissions of papers related, but not limited, to the topics listed below are invited.

Applications	Hybrid Systems	Pattern Recognition
Architectures	Image and Signal Processing	Prediction
Artificially Intelligent Neural Networks	Intelligent Control	Robotics
Associative Memory	Learning and Memory	Sensation and Perception
Cellular Neural Networks	Machine Vision	Sensorimotor Systems
Computational Intelligence	Motion Analysis	Speech, Hearing, and Language
Cognitive Science	Neurobiology	System Identification
Electronic and Optic Implementations	Neurocognition	Supervised/Unsupervised Learning
Filtering	Neurodynamics and chaos	Time Series Analysis
Fuzzy Neural Systems	Optimization	

PAPERS MUST BE RECEIVED BY THE PROGRAM CHAIR BY OCTOBER 16, 1995. Papers received after that date will be returned unopened. International authors should submit their work via Air Mail or Express Courier so as to ensure timely delivery. All submissions will be acknowledged by electronic or postal mail.

Six copies (one original and five copies) of the paper must be submitted. Papers must be camera-ready on 8 1/2-by-11 white paper, one-column format in Times or similar font style, 10 points or larger with one inch margins on all four sides. Do not fold or staple the original camera-ready copy. Four pages are encouraged; however, the paper must not exceed six pages, including figures, tables, and references, and should be written in English. Submissions that do not adhere to the guidelines above will be returned unreviewed.

Papers will be reviewed by senior researchers in the field, and all authors will be informed of the decisions at the end of the review process by **January 23, 1996**. A limited number of papers will be accepted for oral and poster presentations. Authors will be allowed to revise their papers, and the final version must be submitted by **February 23, 1996**.

Centered at the top of the first page should be the complete title, author name(s) and postal and electronic mailing addresses. In the accompanying letter, the following information must be included:

- Full Title of the Paper
- Technical Session (First and Second Choices)
- Corresponding Author (Name, Postal and E-Mail Addresses, Telephone & FAX Numbers)
- Presenter (Name, Postal and E-Mail Addresses, Telephone & FAX Numbers)
- Presentation Preferred (Oral or Poster)
- Audio Visual Requirements (e.g. 35 mm Slide, OHP, VCR)

CALL FOR TUTORIAL PROPOSALS. Tutorials for ICNN'96 will be held on Sunday, June 2, 1996. Each tutorial will be three hours long. The tutorials should be designed as such and not as expanded talks. They should lead the student at the college Senior level through a pedagogically understandable development of the subject matter. Experts in neural networks and related fields are encouraged to submit proposed topics for tutorials. The proposal should be one to two pages long and describe in some detail the subject matter to be covered in the three-hour tutorial. Please mail proposals by **October 16, 1995** to the Tutorial Chair.

EXHIBITOR INFORMATION. Exhibitors are encouraged to present the latest innovations in neural networks, including electronic and optical neural computers, fuzzy neural networks, neural network VLSI chips and development systems, neural network design and simulation tools, software systems, and application demonstration systems. A large group of vendors and participants from academia, industry and government are expected. Potential exhibitors should submit their requirements to the General Chair by **December 1, 1995**.

Program Chair

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IEEE NEURAL NETWORKS COUNCIL

Administrative Committee (AdCom) Meeting

Washington Hilton Hotel
Washington, DC

June 22, 1995

Agenda

- I. ROLL CALL AND WELCOME (Karplus)
- II. REVIEW AND ADOPTION OF AGENDA (Karplus)
- III. CONSENT AGENDA (Karplus)
 - A. Approval of Minutes of ^{March 1994} ~~July 2, 1995~~ AdCom Meeting
 - B. Editors Appointments
 - C. Committee Chair Appointments
- IV. OFFICERS' REPORTs
 - A. President's Report (Karplus)
 - B. Executive Vice-President's Report (Lau)

Motion by Executive Committee to become a society
 - C. Treasurer's Report (Bonissone)

Budget for 1996
 - D. Past President's Report (Simpson)
 - E. Division X Director's Report (Tarn)
- V. ELECTIONS (Lau)

V. EDITORS' REPORTS

- A. Transactions on Neural Networks (Marks)
- B. Transactions on Fuzzy Systems

VI. STANDING COMMITTEE REPORTS

- A. Awards Committee
- B. Fellows Committee
- C. Educational Activities Committee
- D. Meetings Committee
- E. Publications Committee
- F. Regional Interest Committee
- G. Standards Committee
- H. Video Tutorials Committee

VII. TECHNICAL COMMITTEE REPORTS

- A. Evolutionary Computation Committee
- B. Financial Engineering Committee
- C. Fuzzy Systems Committee
- D. Neural Networks Committee
- C. Virtual Reality Committee

VIII. OLD BUSINESS

IX. NEW BUSINESS

X. ANNOUNCEMENTS

Report on the Activities of IEEE NNC Technical Committee on Fuzzy Systems

Hamid R. Berenji
Intelligent Inference Systems Corp.
Information Sciences Division
NASA Ames Research Center
Moffett Field, CA 94035

Abstract— This brief report discusses the recent activities of the IEEE NNC technical committee on fuzzy systems. Included are notes from Yokohama 95 meeting, the status on working toward a recommended reference list to be placed on WWW, nominations for the best TFS paper award, and nominations for the pioneer award.

I. COMMITTEE MEMBERS

- Chairman: Dr. Hamid R. Berenji, Intelligent Inference Systems Corp., NASA Ames Research Center, U.S.A.
- Members: Professor Lotfi Zadeh, Professor Hans Zimmermann, Professor Kaoru Hirota, Professor Didier Dubois, Professor Henri Prade, Professor Caro Lucas, Professor Takeshi Yamakawa, Professor Mo Jamshidi, Professor Witold Pedrycz, Dr. Bernadette Bouchon-Meunier, Dr. Enrique Ruspini.

II. NOTES ON YOKOHAMA '95 MEETING

The first meeting of the IEEE NNC technical committee on fuzzy systems was held in Yokohama during FUZZ-IEEE'95 conference. In attendance were: Lotfi Zadeh, Piero Bonissone, Bernadette Bouchon-Meunier, Henri Prade, Enrique Ruspini, Kaoru Hirota, Witold Pedrycz, and Hamid Berenji.

Hamid Berenji started the meeting by introducing the current members and welcoming the new members to the committee. A number of topics were suggested before the meeting by Hamid for discussion in

the first meeting. The following is a summary of the discussions on each topic.

1. To identify the critical trends of research and applications in our field.

Piero Bonissone presented a brief summary of a meeting among the fuzzy logic experts that he organized during the 1994 FUZZ-IEEE'94 conference. An integrated view starting from the design process and continuing to system implementation and issues related to rule compilation were emphasized.

Lotfi Zadeh described a new direction for the field focusing more on the issues related to *computing with words* which avoids many of the objections that some people express toward fuzzy logic systems. He provided a good example for controlling with words: guiding a person to reach an object in a room only by using words.

2. Discussions on workshops/conferences critical to the progress of our field

Jim Bezdek currently chairs the IEEE Neural Networks Council's Meeting committee which oversees the approval of IEEE conferences related to our field. He has promised to consult our technical committee about these conferences. After receiving inputs from Jim, our technical committee will assist the meeting committee in evaluating future conference proposals.

3. Recommendations on people in the fuzzy community to be recognized as "pioneers in fuzzy systems".

Some discussions were made on the re-establishment of this award by the NNC. Our committee will play an important role in recommending the most qualified individuals to the award committee chaired by Professor Mohammad Hassoun.

4. Proper responses/replies to common misunderstandings about fuzzy systems

We discussed how every once in awhile, some individuals start a new discussion on a topic such as fuzziness vs. probability or fuzzy control vs. PID control on the internet and then others respond while some unaware of substantial previous related works by the experts. Our committee decided that it is a good idea to assemble a list of papers/replies on topics such as: Probability vs. possibility, Probability theory vs. Fuzzy Sets Theory, Fuzzy Control vs. Conventional Control, and Responses to Charles Elkan's misunderstandings about fuzzy logic.

III. RECOMMENDED REFERENCE LIST

So far, we have the following list put together:

A. Probability theory vs. Fuzzy Sets Theory

- Special Issue on Fuzziness vs. Probability, IEEE Trans. on Fuzzy Systems, 2(1), 1994, pp. 1-42. With discussions by J.C. Bezdek; D. Dubois and H. Prade; E.H. Hisdal; G.J. Klir; B. Kosko; N. Wilson; D.V. Lindley of a paper by M. Laviolette and J.W. Seaman, Jr. advocating probability vs. fuzzy set methods.
- D. Dubois and H. Prade. Fuzzy sets and probability: Misunderstanding, bridges and gaps. Proc. of the 2nd IEEE Inter. Conf. on Fuzzy Systems (FUZZ-IEEE'93), San Francisco, CA, March 28-April 1st, 1993, Vol. II, pp. 1059-1068.
- L.A. Zadeh. Probability theory and fuzzy logic are complementary rather than competitive. *Technometrics*, 1995, to appear.

- E.H. Ruspini, *Approximate Reasoning, Past, Present, Future*, Information Sciences, 1991.
- L.A. Zadeh, Probability measures of fuzzy events, *J. Math Analysis and Applications*, vol. 10, 1968, 421-427.
- E.H. Ruspini, *Semantics of Fuzzy Logic*, Int. J. of Approximate Reasoning, 1991.

B. Responses to Charles Elkan's misunderstandings about fuzzy logic

- H.R. Berenji, P.P. Bonissone, J.C. Bezdek, D. Dubois, R. Kruse, H. Prade, Ph. Smets and R.R. Yager. A reply to the paradoxical success of fuzzy logic. *AI Magazine*, 1994, pp. 6-8.
- C. Elkan. "The paradoxical success of fuzzy logic" with responses to Elkan by H.R. Berenji; B. Chandrasekaran; C.J.S. deSilva and Y. Attkiouzel; D. Dubois, H. Prade and Ph. Smets; C. Freksa; O.N. Garcia; G.J. Klir and B. Yuan; E.H. Mamdani; F.J. Pelletier; E.H. Ruspini; I.B. Turksen; N. Vadiie and M. Jamshidi; P.Z. Wang, S.K. Tan and S.H. Tan; R.R. Yager; L.A. Zadeh, and Elkan's Reply: The paradoxical controversy over fuzzy logic. *Fuzzy Logic Symp. IEEE Expert*, 9(4), 1994, pp. 1-49.
- D. Dubois and H. Prade. Can we enforce full compositionality in uncertainty calculi? Proc. of the 12th National Conf. on Artificial Intelligence (AAAI'94), Seattle, WA, July 31-August 4, 1994, Vol. I, pp. 149-154.

C. Fuzzy Control vs. Analytical Control

- W. Pedrycz. *Fuzzy Control and Fuzzy Systems*. Research Studies Press Ltd. and John Wiley & Sons Inc., 1989.
- D. Driankov, H. Hellendoorn and M. Reinfrank. *An Introduction to Fuzzy Control*. Springer Verlag, Berlin, 1993.
- R.R. Yager and D.P. Filev. *Essentials of Fuzzy Modeling and Control*. John Wiley & Sons Inc., New York, 1994.

- H.T. Nguyen, M. Sugeno, R. Tong and R.R. Yager (Eds.). Theoretical Aspects of Fuzzy Control. John Wiley & Sons Inc., New York, 1995.
- The recent issue of Fuzzy Sets and Systems, March 1995, includes a wealth of the most recent papers on applications and methodology of fuzzy controllers.
- W. Pedrycz, Fuzzy Control and Fuzzy Systems, Research Studies Press, 2nd extended edition, 1993.
- W. Pedrycz, Fuzzy Sets Engineering, CRC Press, Boca Raton, 1995.

IV. BEST TFS PAPER AWARD

So far, we have received the following nominations:

1. "A Possibilistic Approach to Clustering," by R. Krishnapuram and J. Keller, IEEE TFS, Vol. 1, No. 2, pages 98-110, 1993.
2. A Fuzzy-Logic-Based Approach to Qualitative Modeling by Sugeno and Yasukawa 1 (1).
3. Self-Reference and Chaos in Fuzzy Logic by Patrick Grim (Nov 93).
4. A Robust Stabilization Problem of Fuzzy Control Systems and Its Application to Backing up Control of a Truck-Trailer by K. Tanaka and M. Sano (May 94).

V. PIONEER IN FUZZY SYSTEMS AWARD

So far, the following names are on our nomination list:

1. Lotfi Zadeh (fuzzy sets, fuzzy logic, and possibility theory)
2. Jim Bezdek (fuzzy pattern recognition)
3. Enrique Ruspini (fuzzy pattern recognition)
4. George Klir (fundamentals of fuzzy sets)
5. Dubois and Prade (Possibility Theory)

VI. FUTURE TOPICS

The following ideas are also being considered.

1. A collection of numerical data sets for testing fuzzy set based algorithms.
2. A collection of genuine fuzzy data sets benchmarks.

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NNC 1996 BUDGET

(Assuming TNN Split & Society)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN-1 (804 pages)						• Assum. TNN Split Appr.
IEEE Member-Sponsoring Soc.	19.00	5500	104.50			
IEEE Member-Non-Spons. Soc.	27.00	450	12.15			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-1 TOTAL			291.74	245.65	46.09	• Includes future Δ paper cost
TNN-2 (804 pages)						• Assum. TNN Split Appr.
IEEE Member-Sponsoring Soc.	19.00	5500	104.50			
IEEE Member-Non-Spons. Soc.	27.00	450	12.15			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-2 TOTAL			291.74	245.65	46.09	• Includes future Δ paper cost
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	19.00	6100	115.90			
IEEE Member-Non-Spons. Soc.	27.00	204	5.51			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			• Includes future Δ paper cost
TFS - TOTAL			206.41	153.60	52.81	
Newsletter			0.00	5.00	(5.00)	• Assuming Society Appr.
Subtot. Trans & News			789.89	649.90	139.99	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	• Potential loss liability
ICNN 95			26.10	0.00	26.10	• Should post profit in 96
ICEC 95			29.30	0.00	29.30	• Should post profit in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	• Budgeted surplus in 96
FUZZ 96			0.00	0.00	0.00	• Should post surplus in 97
ICEC 96			11.85	0.00	11.85	• Budgeted surplus in 96
[If approved] CIFER 96			14.00	0.00	14.00	• 50% of budg. surplus in 96
VRAIS96			23.50	0.00	23.50	• 50% of budg. surplus in 96
FUZZ 97			0.00	0.00	0.00	• Should post surplus in 97
WCCI-98			0.00	0.00	0.00	• Should post surplus in 98
Subtot. Conf. & Meet.			140.65	21.00	119.65	

1995 IEEE Neural Networks Council Document
 Robert J. Marks II Library Archive
 BUDGET 96-[Split & Society]

BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Membership Fee	7.00		0.00	0.00	0.00	• Not included in budget
Society Membership Handl.			0.00	10.00	(10.00)	• Assuming Society Appr.
Interst Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Book Broker Income			0.00	0.00	0.00	• Not included in budget
Subtot. Others			26.00	119.50	(93.50)	
Subtot. Trans & News			789.89	649.90	139.99	
Subtot. Conf. & Meet.			140.65	21.00	119.65	
Subtot. Others			26.00	119.50	(93.50)	
TOTAL			956.54	790.40	166.14	

Revision Date:	6/15/95	Prepared by: Piero Bonissone
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NNC 1996 BUDGET (Assuming No TNN Split & Society)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN (1608 pages)						
IEEE Member-Sponsoring Soc.	28.00	7193	201.40			• Assum. TNN Split Appr.
IEEE Member-Non-Spons. Soc.	40.00	458	18.32			
Non IEEE Member	360.00	570	205.20			
APP			80.00			
Voluntary page charges	110.00	219	24.09			
TNN TOTAL			529.01	466.30	62.71	• Includes future Δ paper cost
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	19.00	6100	115.90			
IEEE Member-Non-Spons. Soc.	27.00	204	5.51			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			206.41	153.60	52.81	• Includes future Δ paper cost
Newsletter			0.00	5.00	(5.00)	• Assuming Society Appr.
Subtot. Trans & News			735.42	624.90	110.52	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	• Potential loss liability
ICNN 95			26.10	0.00	26.10	• Should post surplus in 96
ICEC 95			29.30	0.00	29.30	• Should post surplus in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	• Budgeted surplus in 96
FUZZ 96			0.00	0.00	0.00	• Should post surplus in 97
ICEC 96			11.85	0.00	11.85	• Budgeted surplus in 96
[If approved] CIFER 96			14.00	0.00	14.00	• 50% of budg. surplus in 96
VRAIS96			23.50	0.00	23.50	• 50% of budg. surplus in 96
FUZZ 97			0.00	0.00	0.00	• Should post surplus in 97
WCCI-98			0.00	0.00	0.00	• Should post surplus in 98
Subtot. Conf. & Meet.			140.65	21.00	119.65	

1995 IEEE Neural Networks Council Document
 Robert J. Marks II Library Archive
 BUDGET 96-[NoSplit & Society]

BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Membership Fee	7.00		0.00	0.00	0.00	• Not included in budget
Society Membership Handl.			0.00	10.00	(10.00)	• Assuming Society Appr.
Interst Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Book Broker Income			0.00	0.00	0.00	• Not included in budget
Subtot. Others			26.00	119.50	(93.50)	
Subtot. Trans & News			735.42	624.90	110.52	
Subtot. Conf. & Meet.			140.65	21.00	119.65	
Subtot. Others			26.00	119.50	(93.50)	
TOTAL			902.07	765.40	136.67	

Revision Date:	6/15/95	Prepared by: Piero Bonissone
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NNC 1996 BUDGET (Assuming TNN Split & Council)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN-1 (804 pages)						• Assum. TNN Split Appr.
IEEE Member-Sponsoring Soc.	19.00	5500	104.50			
IEEE Member-Non-Spons. Soc.	27.00	450	12.15			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-1 TOTAL			291.74	245.65	46.09	• Includes future Δ paper cost
TNN-2 (804 pages)						• Assum. TNN Split Appr.
IEEE Member-Sponsoring Soc.	19.00	5500	104.50			
IEEE Member-Non-Spons. Soc.	27.00	450	12.15			
Non IEEE Member	200.00	500	100.00			
APP			51.00			
Voluntary page charges	110.00	219	24.09			
TNN-2 TOTAL			291.74	245.65	46.09	• Includes future Δ paper cost
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	19.00	6100	115.90			
IEEE Member-Non-Spons. Soc.	27.00	204	5.51			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			206.41	153.60	52.81	• Includes future Δ paper cost
Newsletter			0.00	0.00	0.00	
Subtot. Trans & News			789.89	644.90	144.99	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	• Potential loss liability
ICNN 95			26.10	0.00	26.10	• Should post surplus in 96
ICEC 95			29.30	0.00	29.30	• Should post surplus in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	• Budgeted surplus in 96
FUZZ 96			0.00	0.00	0.00	• Should post surplus in 97
ICEC 96			11.85	0.00	11.85	• Budgeted surplus in 96
[If approved] CIFER 96			14.00	0.00	14.00	• 50% of budg. surplus in 96
VRAIS96			23.50	0.00	23.50	• 50% of budg. surplus in 96
FUZZ 97			0.00	0.00	0.00	• Should post surplus in 97
WCCI-98			0.00	0.00	0.00	• Should post surplus in 98
Subtot. Conf. & Meet.			140.65	21.00	119.65	

BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Interst Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Book Broker Income						* Not included in budget
Subtot. Others			26.00	109.50	(83.50)	
Subtot. Trans & News			789.89	644.90	144.99	
Subtot. Conf. & Meet.			140.65	21.00	119.65	
Subtot. Others			26.00	109.50	(83.50)	
TOTAL			956.54	775.40	181.14	

NNC 1996 BUDGET (Assuming No TNN Split & Council)

BUDGET ITEM	Rate	Number	Income	Expenses	Balance	Comments
TNN (1608 pages)						
IEEE Member-Sponsoring Soc.	28.00	7193	201.40			• Assum. no TNN Split
IEEE Member-Non-Spons. Soc.	40.00	458	18.32			
Non IEEE Member	360.00	570	205.20			
APP			80.00			
Voluntary page charges	110.00	219	24.09			
TNN TOTAL			529.01	466.30	62.71	• Includes future Δ paper cost
TFS (520 pages)						
IEEE Member-Sponsoring Soc.	19.00	6100	115.90			
IEEE Member-Non-Spons. Soc.	27.00	204	5.51			
Non IEEE Member	200.00	200	40.00			
APP			45.00			
Voluntary page charges			5.00			
TFS - TOTAL			206.41	153.60	52.81	• Includes future Δ paper cost
Newsletter			0.00	0.00	0.00	
Subtot. Trans & News			735.42	619.90	115.52	
Meeting/Conferences						
VRAIS 93			0.00	0.00	0.00	• Should be closed in 95
ICNN94			0.00	0.00	0.00	• Should be closed in 95
WCCI 94			0.00	0.00	0.00	• Should be closed in 95
ICEC 94			0.00	0.00	0.00	• Should be closed in 95
FUZZ 94			0.00	0.00	0.00	• Should be closed in 95
VR/Disab			0.00	21.00	(21.00)	• Potential loss liability
ICNN 95			26.10	0.00	26.10	• Should post surplus in 96
ICEC 95			29.30	0.00	29.30	• Should post surplus in 96
FUZZ 95			0.00	0.00	0.00	• Should be closed in 95
CIFER 95			0.00	0.00	0.00	• Should be closed in 95
VRAIS 95			0.00	0.00	0.00	• Should be closed in 95
ICNN 96			35.90	0.00	35.90	• Budget surplus in 96
FUZZ 96			0.00	0.00	0.00	• Should post surplus in 97
ICEC 96			11.85	0.00	11.85	• Budget surplus in 96
[if approved] CIFER 96			14.00	0.00	14.00	• 50% of budg. surplus in 96
VRAIS 96			23.50	0.00	23.50	• 50% of budg. surplus in 96
FUZZ 97			0.00	0.00	0.00	• Should post surplus in 97
WCCI-98			0.00	0.00	0.00	• Should post surplus in 98
Subtot. Conf. & Meet.			140.65	21.00	119.65	

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 BUDGET 96-[NoSplit & Council]

BUDGET ITEM	Fee	Number	Income	Expenses	Balance	Comments
Interst Income			6.00	0.00	6.00	
IEEE Admin			0.00	45.00	(45.00)	
President			0.00	10.00	(10.00)	
Adcom			0.00	16.00	(16.00)	
ExCom			0.00	6.00	(6.00)	
Mergers [Adcom+ project]			0.00	5.00	(5.00)	
Standards			0.00	5.00	(5.00)	
Awards			0.00	5.00	(5.00)	
RIG Committee			0.00	2.50	(2.50)	
Education			0.00	5.00	(5.00)	
Products (non-periodical)			20.00	5.00	15.00	
Rounding/Others			0.00	2.00	(2.00)	
Misc			0.00	3.00	(3.00)	
Book Broker Income			0.00	0.00	0.00	• Not included in budget
Subtot. Others			26.00	109.50	(83.50)	
Subtot. Trans & News			735.42	619.90	115.52	
Subtot. Conf. & Meet.			140.65	21.00	119.65	
Subtot. Others			26.00	109.50	(83.50)	
TOTAL			902.07	750.40	151.67	



IEEE

OPERATIONS CENTER

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3972

March 12, 1996

IEEE Transactions Editors-in-Chief
IEEE Magazines Editors-in-Chief

Dear Editor:

Enclosed please find the 1996 editions of the IEEE Bylaws, Policies and Procedures, and the Publications Board Review Guidelines for Editors. The sections that pertain most to publishing are: Bylaw 700, and Chapter 6 of Policies and Procedures.

As always, we would like to ensure that the appropriate Associate Editors of your Transactions and Magazines also receive copies of the Policies and Procedures and the Publications Board Review Guidelines for Editors. If you send me a current list of your Associate Editors and their addresses, I will be happy to mail the copies to them (some of you have already done so). Or, if you would prefer, let me know how many copies to send you, and you can distribute them according to need.

If I can be of further assistance in interpreting the meaning or history of the Bylaws or Policies, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Robert Colburn".

Robert Colburn,
Publications Administration
r.colburn@ieee.org

cc w/ IEEE Policy and Procedure Manual, and Publications Board Review Guidelines for Editors encl.: Associate Editors

cc: w/o encl. Lewis Moore
Fran Zappulla



3732 BOELTER HALL
COMPUTER SCIENCE DEPARTMENT
SCHOOL OF ENGINEERING AND APPLIED SCIENCE
LOS ANGELES, CALIFORNIA 90024-1596

October 11, 1996

Dear ExCom:

A copy of the report for the TAB review is attached for your info and edification.

I ran into a time bind near then end and could not edit the publication section as I would have wished. But on the whole, I think that the report gives a pretty fair and complimentary picture of NNC. Thanks to all of you who helped.

Do you think that a cleaned up version of the report might be useful as a propaganda document? If so, shall I send copies to our AdCom and sponsoring society presidents, after I make the TAB presentation? Please let me know what you think.

Best regards,

Walter

IEEE

NEURAL NETWORKS COUNCIL

REPORT TO THE

TECHNICAL ACTIVITIES BOARD

SOCIETY REVIEW COMMITTEE

DENVER

NOVEMBER 5, 1996

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I FIELD OF INTEREST AND MISSION

According to its constitution, The scope of the Neural Networks Council, last revised in 1993, is stated to be:

"The Field of Interest of the Council and its activities and programs shall be the theory, design, application and development of biologically and linguistically motivated computational paradigms emphasizing neural networks, including connectionist systems, genetic algorithms, evolutionary programming, fuzzy systems, and hybrid intelligent systems in which these paradigms are contained."

This statement accurately characterizes a major portion of the interests and activities of the community currently served by the NNC. Since 1994, we have used the term *Computational Intelligence* as an umbrella to encompass emerging fields in addition to neural networks, fuzzy systems and evolutionary programming. Our current technical activities involving computational finance and virtual reality fall into this category, and we are exploring additional new activities in fields such as artificial life and molecular computing.

Most of the twelve IEEE societies who are sponsors of NNC have strong interests in neural networks, and a number of them work with fuzzy systems. The biggest overlap is probably with the Systems, Man & Cybernetics Society. The Computer Society is active in neural networks through its Pattern Analysis and Machine Intelligence (PAMI) and in virtual reality through its Graphics Special Interest Groups. The Signal Processing and the Robotics & Automation Societies also have significant activities in overlapping areas. All of these societies, as well as the Circuits & Systems Society, have expressed and interest in merging with or in absorbing the Neural Networks Council. Little progress has been made in this direction to date.

In 1995 the NNC made a preliminary move to become a society. After considerable discussion, the NNC ExCom elected not to pursue this matter, and the issue never came to a vote by the NNC AdCom or by TAB.

NNC has achieved a very significant position in the technical world. As detailed below, over 15,000 people subscribe to its transactions and it sponsors five annual, well-attended, international flagship meetings. The NNC's 1994

World Congress on Computational Intelligence (WCCI) brought together, for the first time, a number of here-to-fore polarized technical groups and established the NNC and IEEE as the acknowledged leaders in the field. The second World Congress is scheduled for 1998.

As a champion of new and emerging disciplines, the NNC's initial activities were almost exclusively on the theoretical side. With the increased acceptance of neural networks and fuzzy systems techniques by industries all over the world, more and more descriptions of applications are finding their way into the NNC transactions and conference proceedings.

II FINANCES

A. Financial Status

Since its formation in 1991, the Neural Networks Council has enjoyed a fairly steady financial growth. As shown in the tables and figures on the following pages, our net worth has climbed steadily, will be close to \$ 1M at the end of 1996 and approximately \$ 1.2M at the end of 1997. (The dip in surplus in 1992 reflects the start-up costs for the Transactions on Neural Networks [TNN], which was launched that year.)

B. Financial Goals

After considerable discussion and after receiving valued outside advice, we have set the figure of \$ 1.25M as our target for our steady-state net worth. This figure is approximately 50% of the average of the total liabilities of all our planned conferences. [In other words, assuming that all planned conferences turn out to be complete losses, and each lose all of the budgeted expenses (with no off-setting income) -- we would lose \$ 5M.] This is, of course a highly conservative approach, but we have been convinced of its merits.

Our projections for 1997 indicate that we will come close to our net worth target by the end of 1997. After that, we intend to budget for zero net worth growth. Provided that our publications continue to generate surpluses as in the past, we plan increasingly to subsidize our meetings, primarily through the mechanism of granting travel support to students, a mechanism that we have already implemented. We also intend to continue to move in new directions by providing seed money for work shops and conferences focused on exciting, emerging fields within the general area of computational intelligence.

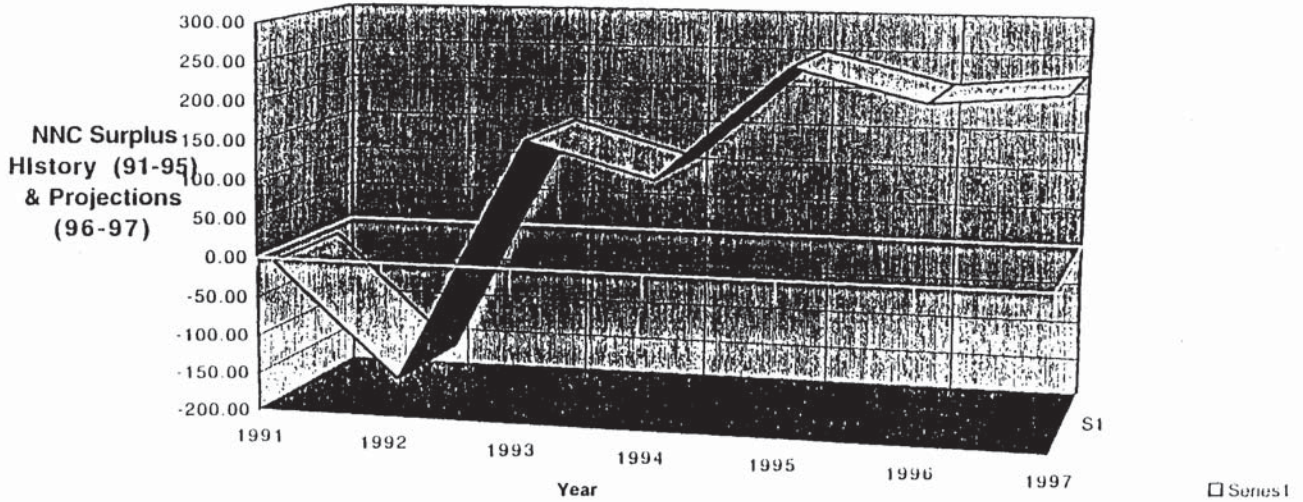
C. Sources of Income and Expense

NNC derives most of its net income from publications. While we more or less break even on member subscriptions to our two transactions, non-member and APP income is substantial, as is book broker income. Meetings were initially highly profitable for NNC and its predecessor committee and continued to be so for several years, conference nets have flattened out in 1995 and 1996. Pie charts showing the major categories of income and expense are shown on page 7.

NNC has relatively small expenses, other than those directly attributable to its meetings and publications. NNC provides travel support to the members of its AdCom for the annual AdCom Meeting, and also typically supports travel to two ExCom meetings per year. Each of the five Technical Committees is allocated a maximum of \$ 5K, as are the Education and the RIGs Committees. There are, of course, no expenses associated with member services.

NNC SURPLUS HISTORY (91-95) AND PROJECTIONS (96-97)

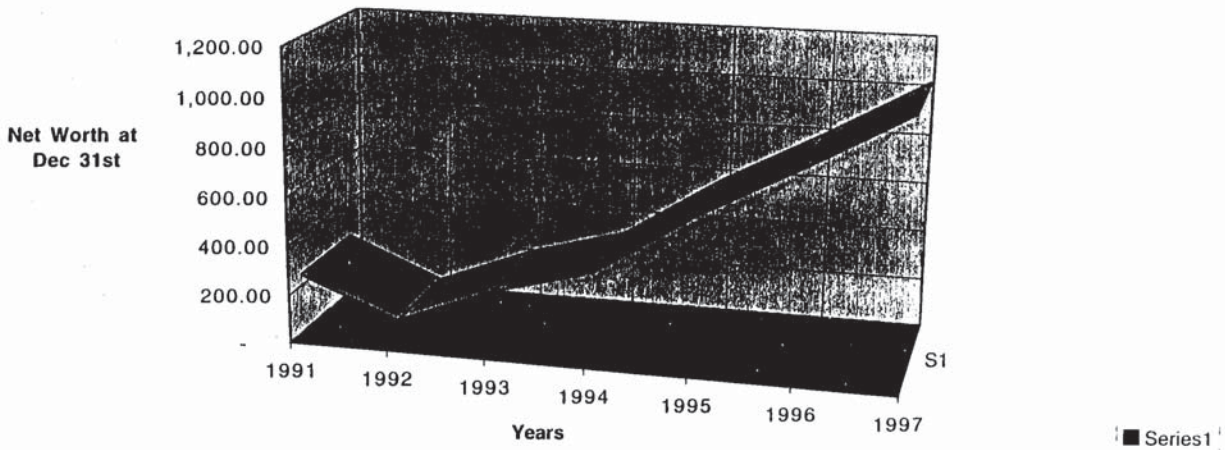
SOURCE		PA-PC	PA-PC	PA-PC	PA-PC	PA-PC	Expected	Budgeted	('97 Notes)
CODE	COST CENTER	1991	1992	1993	1994	1995	1996	1997	
	Membership Fees	22.70	0.00	0.00	0.00	0.00	0.00	0.00	
00100	Interest Income	11.30	4.20	0.00	5.80	19.60	27.44	49.39	• A Cash (1/96-1/97) - 80%
	Periodicals								
00400	TNN	-72.70	-100.3	18.6	39.4	175.80	152.31	206.62	
00401	TFS	0.00	0.00	31.5	54.5	94.05	86.32	106.76	
	TEC	0.00	0.00	0.00	0.00	0.00	-10.00	25.00	
01499	Periodical Related	0.00	0.00	-2.70	-3.00	-10.40	-10.40	-10.40	
01500	Newsletter	-14.20	-34.80	-40.00	-11.5	-5.90	-5.00	-7.00	
01600	Non Periodical	-10.50	-10.90	-7.30	-3.30	-3.50	-3.50	-8.00	
01700	Meetings/Conferences	79.20	29.90	233.60	124.10	69.20	85.06	51.25	• 3 conf. with surplus in 97
01800	Administr./Book Broker	-8.50	-12.10	-18.50	-45.60	-34.10	-1.60	17.30	
01900	Committee/Other	-20.90	-37.50	-62.00	-51.20	-51.10	-107.00	-203.00	• \$50K student scholarships
TOTAL SURPLUS		-13.60	-161.50	153.20	109.20	253.65	213.63	227.92	



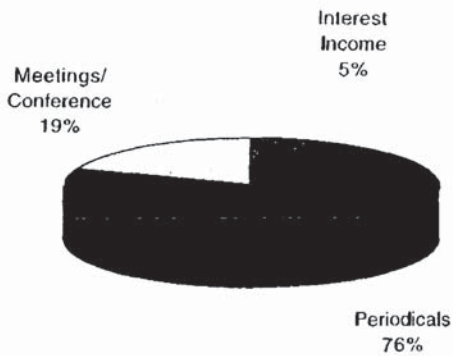
NNC NET WORTH HISTORY AND PROJECTIONS

	Net Worth 1-Jan	Year Surplus	Net Worth 31-Dec	YEAR
PC-PA	256.15	(13.60)	242.55	1991
PC-PA	242.55	(161.50)	81.05	1992
PC-PA	81.05	154.50	235.55	1993
PC-PA	235.55	109.20	344.75	1994
PC-PA	344.75	253.70	598.45	1995
Projected	598.45	213.63	812.08	1996
Projected	812.08	227.92	1,040.00	1997

**NNC NET WORTH HISTORY (91-95)
 & PROJECTIONS (96-97)**

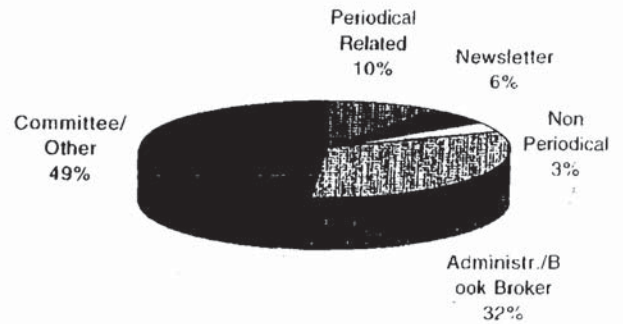


1995 Net Income



Net Income	1995
Interest Income	19.60
Periodicals	269.85
Meetings/Conferences	69.20
Tot. Income	358.65

1995 Net Expense



Net Expenses	1995
Periodical Related	-10.40
Newsletter	-5.90
Non Periodical	-3.50
Administr./Book Broker	-34.10
Committee/Other	-51.10
Tot. Net Expenses	-105.00

III GOVERNANCE

A. Constitution & Bylaws

A copy of these documents is attached

B. AdCom

The NNC AdCom holds one meeting per year, usually in June.

The NNC AdCom is composed of 24 regular and 7 ex officio members.

Two regular members of the AdCom are appointed each year by the presidents of the 12 sponsoring societies of the NNC. The the following sponsoring societies:

Circuits & Systems	Computer
Control Systems	Engineering in Medicine & Biology
Industry Applications	Industrial Electronics
Lasers & Electro-Optics	Oceanic Engineering
Power Engineering	Robotics & Automation
Signal Processing	Systems, Man & Cybernetics

The ex officio members of the AdCom include the following NNC officers:

President	Past President
Executive Vice President	Vice President - Finance
Vice President - Meetings	Vice President - Publications
Division X Director	

With the exception of the Division X Director, all officers are elected by the AdCom. The president is elected for one year, and the vice presidents are elected for two year terms.

C. Officers

As indicated above, six officers are elected by the AdCom. The NNC Nominations & Appointments usually nominates two individuals for each vacant office (there are occasional exceptions to this), and all AdCom members are notified of these nominations at least 30 days before the AdCom meeting. Nominations are also accepted from the floor at the AdCom meeting, and any AdCom member can make a nomination. The Executive Vice President does not automatically succeed to the presidency. Additionally, the NNC Secretary is appointed by the President and approved by the AdCom.

C. Technical Committees

There are five NNC Technical Committees:

- Computational Finance (CF)
- Evolutionary Computation (EC)
- Fuzzy Systems (FS)
- Neural Networks (NN)
- Virtual Reality (VR)

All of these committees are very active. Each of them sponsors an annual international conference. NN and FS each have for some years published their own transactions, TFS and TNN, with a total circulation in excess of 15,000. A new Transaction on Evolutionary Computation, TEC, has been approved by TAB and will be launched in 1997.

As a council, NNC is not permitted to have chapters, even though there would be a lot of interest in chapter activity all over the world. NNC has active Regional Interest Groups, including groups in Australia, Asia and Europe.

IV MEMBERSHIP

As a council, NNC does not have members. A recent study indicated that, if NNC were to become a society, approximately 8,000 to 10,000 IEEE members would join such a society.

V MEETINGS

Data regarding meeting sponsored or co-sponsored by NNC for the years 1992 to 1996 are presented in tabular form on the following pages. Also included is data for conferences in 1996 for which NNC has approved "in cooperation" status. We have done our best in compiling these figures and regret that some of the information is unavailable.

For the coming years, NNC is committed to sponsor or co-sponsor five annual flagship conferences. Every three years or so, three of these will be combined in a World congress on Computational Intelligence (WCCI).

The first WCCI was held in 1994 and was very successful. The second WCCI is scheduled for 1998. Additionally, we intend to sponsor workshops and meetings on new topics in emerging technical fields. Please see Section IX for a discussion of our philosophy in this regard.

It is worth noting that NNC's meeting have attracted a substantial number of new members to IEEE. WCCI IN 1994 alone enlisted over two hundred new IEEE members.

From the very start, NCC has been heavily committed to globalization. Since 1992, we have sponsored six major and one minor conference in overseas locations including Australia, China, Japan, and Russia.

**Summary of meetings organized by the IEEE NNC
 1992**

Dates	Meeting Location General Chair	Sponsorship	Surplus (\$)	Exhibits	Number of Attendees	Acc. Ratio of Papers	Notes
March 8-12 1992	FUZZ-IEEE San Diego, CA J. Bezdek	90% NNC 10% Local IEEE	99,738	Yes	512	46%	Closed
June 6 1992	Int. Workshop on Comb. of Genetic Alg. and Neural Networks Baltimore, MD R. Eberhart	100% NNC	(1,097)	No	92	50%	Closed
June 7-11 1992	IJCNN Baltimore, MD C. Lau	45% NNC 5% IEEE Local 50% INNS	70,932 7,881 78,813	Yes	1400	60%	Closed
October 7-10 1992	Symposium on Neuroinf. & Neurocomp. Rostov, Russia W. Snyder	100% NNC	(10,670)	No	240	85%	
Nov. 3-9 1992	IJCNN Beijing, China Z. Shong	50% INNS 50% NNC	157,626	Yes	N/A	75%	Closed

**Summary of meetings organized by the IEEE NNC
 1993**

Meeting Location General Chair	Sponsorship	Surplus (\$)	Exhibits	Number of Attendees	Acc. Ratio of Papers	Notes
UZZ-IEEE & ICNN San Francisco, CA E. Ruspini	Responsibilities: NNC and INNS	60,520 87,175	Yes	1221	70% & 51%	Closed
VRAIS Seattle, WA T. Caudell	100% NNC	78,415	Yes	477	65%	Closed
ICNN Nagoya, Japan T. Fukuda	33.3% NNC 33.3% INNS 33.4% Japan	9,646 9,674 9,646	Yes	1270	50%	Closed

Summary of meetings organized by the IEEE NNC 1994

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Dates	Meeting Location General Chair	Sponsorship	Surplus (\$)	Exhibits	Number of Attendees	Acc. Ratio of Papers	Notes
June 9-10 1994	NNC Forum: VR/Persons with Disabilities San Francisco, CA H. Murphy	50% NNC 50% Cal. State Northridge	(15.0k)	Yes	159	75%	Closed
June 24-July 1 1994	WCCI Orlando, FL WCCI: C. Robinson ICNN: S. Rogers ICEC: M. Zbigniew FUZZ: P. Bonissone	95% NNC 5% IEEE Local	134.0k	Yes	1702	61.2% 49.3% 67.6%	Closed

Summary of meetings organized by the IEEE NNC 1995

Dates	Meeting Location General Chair	Sponsorship	Surplus (\$)	Exhibits	Number of Attendees	Acc. Ratio of Papers	Notes
March 11-15 1995	VRAIS Raleigh-Durham, NC D. Mizell	50% NNC 50% CS	30.0k	Yes	231	39.7%	Closed
March 20-24 1995	FUZZ-IEEE/IFES Yokohama, Japan M. Sugeno	100% NNC	9.7k	Yes	N/A	N/A	
April 9-11 1995	CIFEr New York, NY S. Matthews	50% NNC 25% CS 25% IAFE	4.0k	Yes	208	63.8%	
Nov 26-Dec 2 1995	ICNN/ICEC Perth, Australia Y. Attikiouzel	100% NNC	50k	Yes	860	85%	

14

**Summary of meetings organized by the IEEE NNC
 1996**

Date	Meeting Location General Chair	Sponsorship	Surplus (\$)	Exhibits	Number of Attendees	Acc. Ratio of Papers	Notes
March 24-26 1996	CIFEr 1996 New York, NY R. Marks and J. Marshall	50% NNC 50% IAFE	N/A	Yes	210	53.4%	
March 30- April 3, 1996	VRAIS Santa Clara, CA S. Bryson	50% NNC 50% CS	N/A	Yes	N/A	N/A	
May 20-22 1996	ICEC Nagoya, Japan T. Fukuda	60% NNC 40% SICE	10.0k	Yes	300	78%	
June 2-6 1996	ICNN Washington, D.C. B. Wah	100% NNC	N/A	Yes	533	55%	
Sept 7-11 1996	FUZZ-IEEE New Orleans, LA F. Petry	100% NNC	N/A	No	433	N/A	

15

NNC APPROVED CONFERENCES IN 1996 FOR IN-COOPERATION STATUS

NAME OF CONFERENCE	SITE	TIME	CO-SPONSORS
Int. Symposium on Intelligent System Applications to Power Systems (ISAP)	Orlando, FL	1/25 - 1/27 1996	Florida Int. University, Washington State University
Annual Conference of the North American Fuzzy Information Processing Society (NAFIPS '96)	University of California, Berkeley, CA	6/20 - 6/22 1996	NNC, North American Fuzzy Information Processin Soc., Berkeley Institute in Soft Computing
Genetic Programming Conference (GP-96)	Stanford University Palo Alto, CA	7/28 - 7/31 1996	NNC, ACM, SIGART, AAAI
Int. Workshop on Neural Networks for Identification, Control, Robotics and Signal/Processing (NICROSP)	Venice, Italy	8/21 - 8/23 1996	CS(IEEE), ISCA
1996 IEEE Workshop on Neural Networks for Signal Processing (NNSP'96)	Kyoto, Japan	9/4 - 9/6 1996	SPS(IEEE)
1996 Int. Conference on Neural Information Processing (ICONNIP '96)	Wan Chai, Hong Kong	9/24 - 9/27 1996	NNC, INNS, ENNS, JNNS, CNNC
Sintra Workshop on Spatiotemporal Models in Biological and Artificial Systems	Sintra, Portugal	11/6 - 9/8 1996	Univ of Amsterdam, Univ. of Florida, Inst. Superior Tecnico/INESC
1996 Asian Fuzzy Systems Symposium (AFSS '96)	Kenting, Taiwan	12/12 - 12/14 1996	CFSA, NTU, JSFTS, KFMS, Chinese Soc. of Automation, etc.
1996 Int.Symposium on Multi-technology Information Processing (ISMIP '96)	Hsin-Chu, Taiwan	12/16 - 12/18 1996	IEEE, NNC SP Society, CSS, IEEE Taiwan Section, Taiwanese Association for AI

VI PUBLICATIONS

NNC's publication programs fall into the following principal categories:

Transactions - Transactions on Neural Networks
 Transactions on Fuzzy Systems
 Transactions on Evolutionary Computations (New in 1997)

Sponsored Books

Video Education

Newsletter

Web Home Page

Electronic Publishing

These are summarized on the following pages.

TRANSACTIONS ON NEURAL NETWORKS

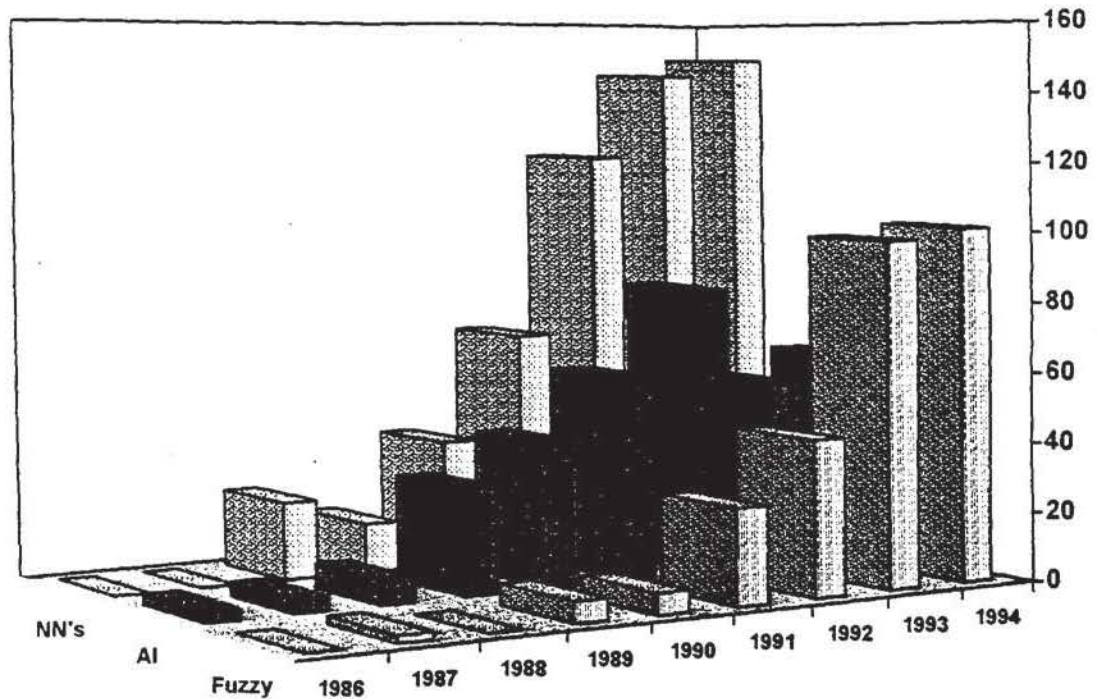


Figure 1: Patents in the fields of neural networks, fuzzy systems and artificial neural networks.

DYNAMICS OF THE NEURAL NETWORKS FIELD

The number of applications/implementation papers being submitted to the IEEE Transactions on Neural Networks is continually increasing.

A verification of the increase in neural network applications and implementation activity comes from perusal of recent patent data. Patents, by their nature, measure technology implementation and application. The CASSIS data base allows a word search in patent titles and abstracts. The patents activity in neural networks, shown in Figure 1, is clearly on the increase.

There also exist ample neural networks manuscripts. Research in the area continues to grow as witnessed by a perusal of the INSPEC (*Information Service for Physics and Engineering Communities*) data base compiled by the IEE and the IEEE. The INSPEC data base contains titles, authors and abstracts from over 4000 journals and is augmented with entries of books, reports and conference records. It is focused on the fields of physics, electrical engineering, computer science and electronics. Over one million entries have been logged into INSPEC since 1989. Contents are updated monthly. The astonishing growth in publication number in neural networks is shown in Figure 2. Searches for key words are performed over titles, authors, journal titles, and abstracts.

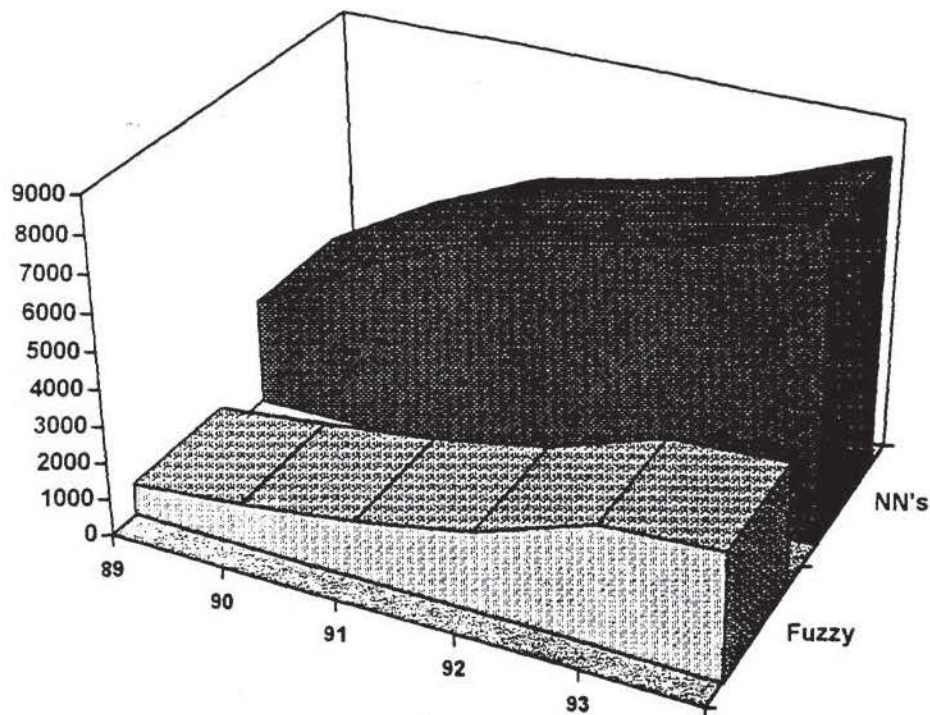


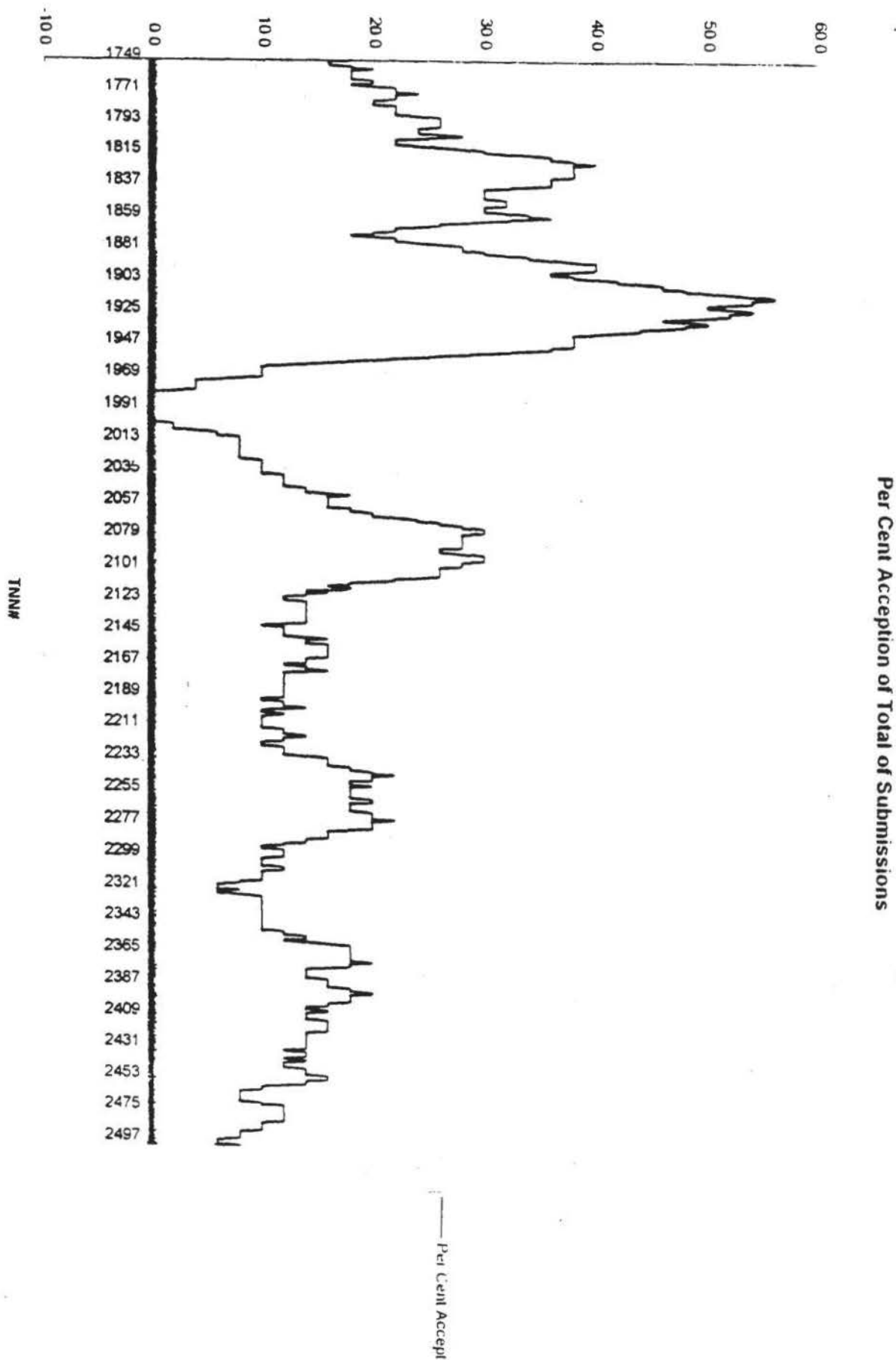
Figure 2: Publications in neural networks and related fields obtained from the INSPEC data base for neural networks. Fuzzy systems papers are also shown.
(March 1996)

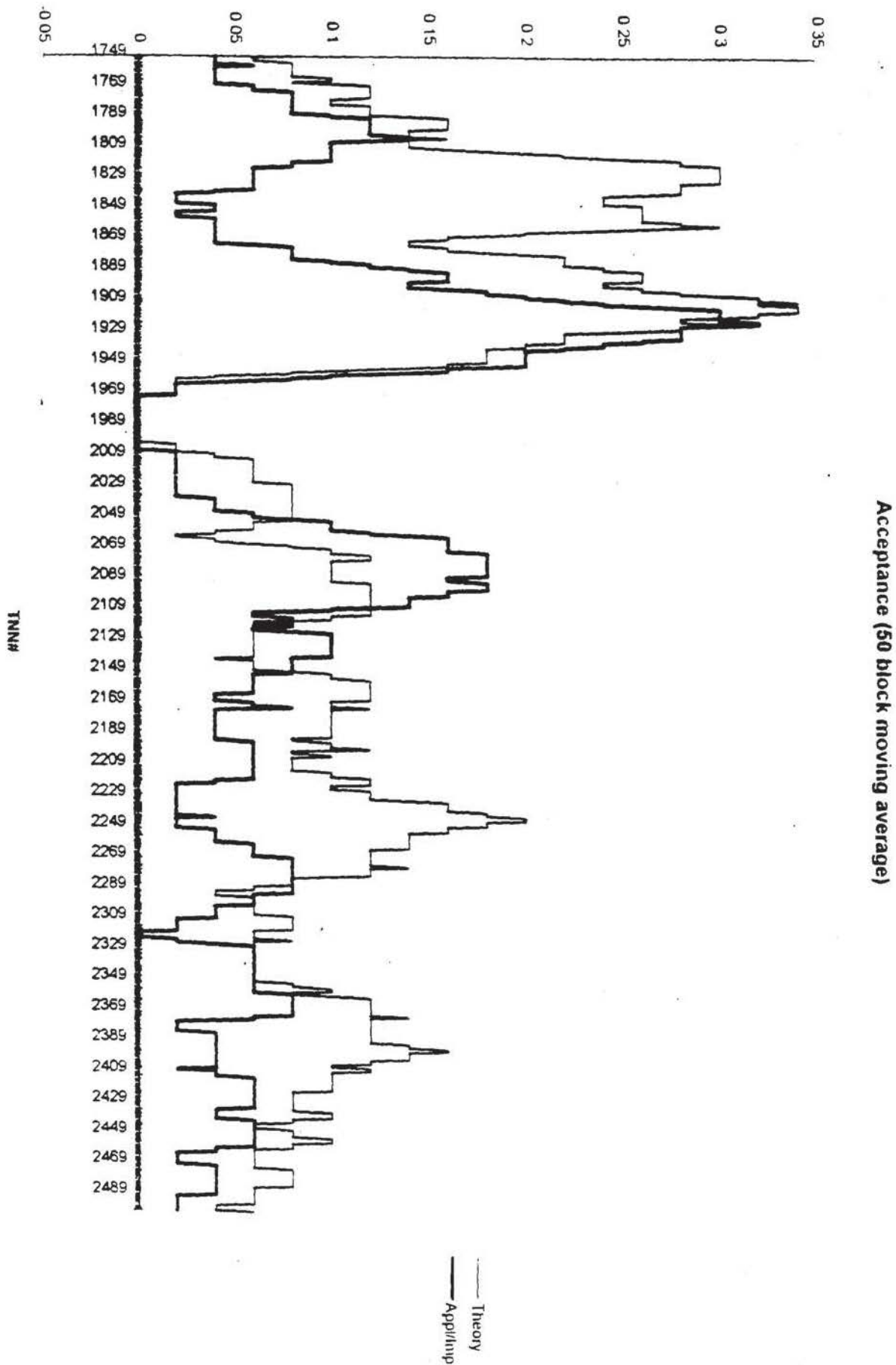
Statistics from INSPEC and CASSIS are neither the perfect nor the only measure by which to monitor the vitality of a field. They are, however, quite useful in monitoring the trends and the relative activity. CASSIS, in particular, is vital for monitoring applications and implementation. Patent data, though, has a greater time delay in the measure of activity than does INSPEC data.

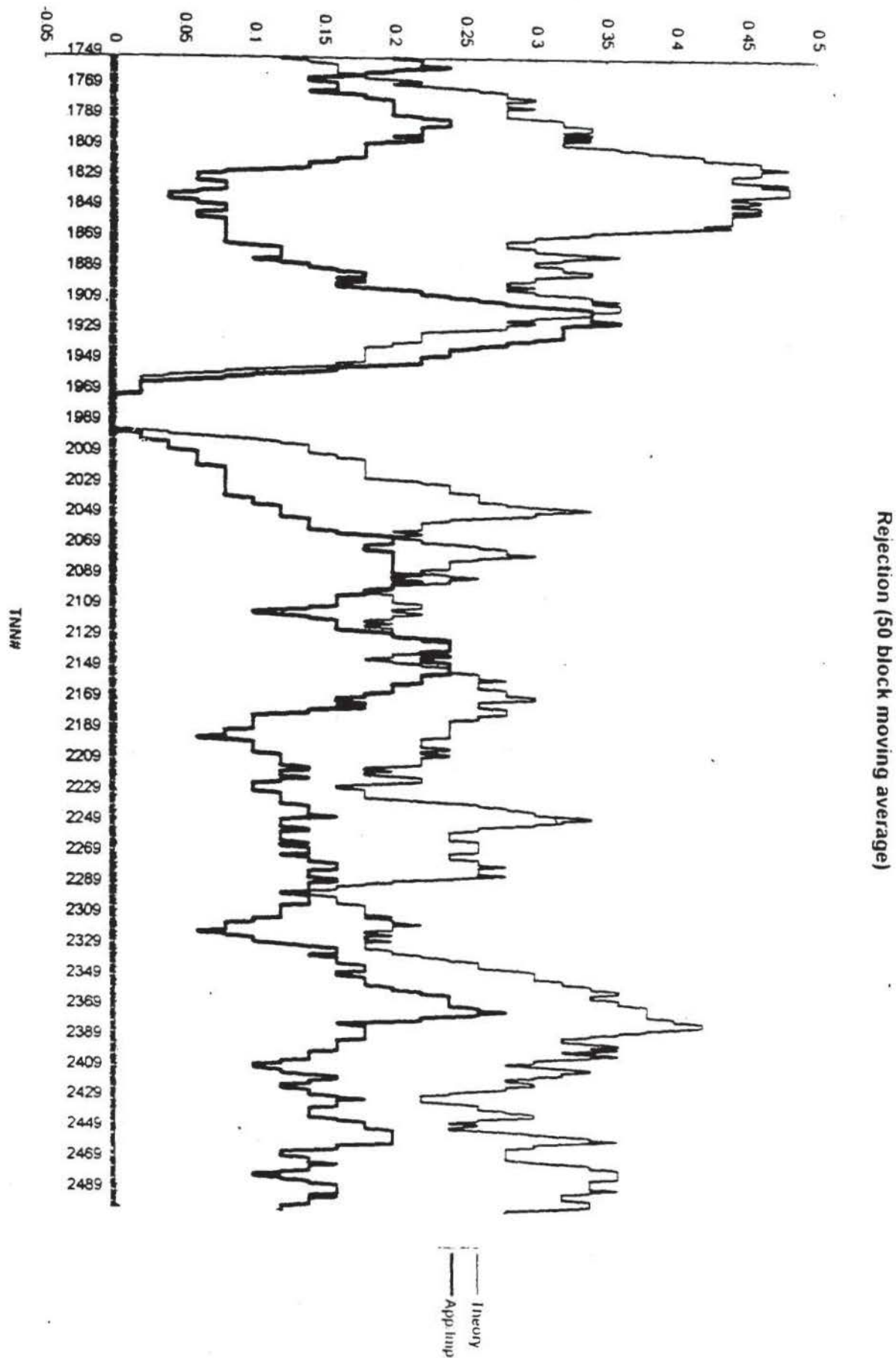
TNN Statistics

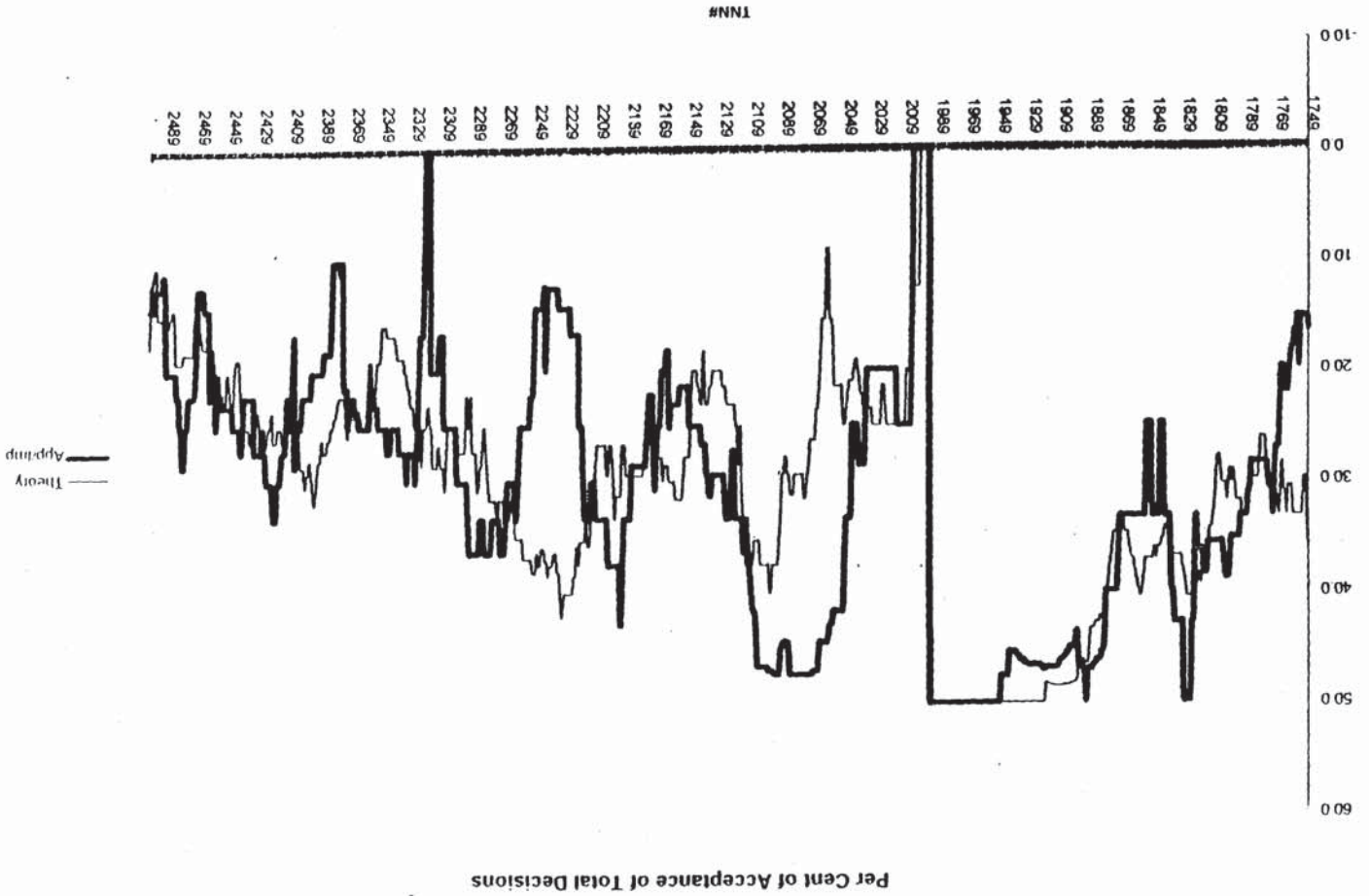
Statistics for the IEEE Transactions of Neural Networks are shown in Charts 1 through 4. Plots are shown versus the TNN# which is sequentially assigned to each submission.¹ Attention should be focused on the curves after about TNN#2010. Figures prior to this are perturbed by special issues where acceptances were recorded but rejections were not. Each Chart uses a smoothing 50 unit moving average.

¹ The first paper submitted in 1994 was TNN#2032. The first in 1995 was TNN#2469.









Shown in Chart 1 and 2 are, respectively, the acceptance and rejection rates for theory/science manuscripts and application/implementation manuscripts. Approximately twice the number of theory/science papers are accepted as compared to application/implementation papers. The same is true for rejections. In terms of total decisions, the acceptance rate is about the same for both categories. This is shown in Chart 3. The acceptance rate in Chart 3 appears much higher than it is. The accepted papers as a percent of total submissions is shown in Chart 4. The variation is due to the non-submission of some manuscripts after the first round of reviews. Book and video reviews are also assigned a TNN number and alter the statistics.

TNN Ranking

Yearly, the Institute for Scientific Information^R publishes Journal Citation Reports^R, ranking the impact of journals by topic. The ranking is based on frequency of citation compiled from the Institute's Science Citation Index^R. Ranking is in accordance to an "impact factor" equal to the "average number of of current citations to articles a journal published in the previous two years." The JCR^R for 1994 was recently published. The IEEE TRANSACTIONS ON NEURAL NETWORKS (TNN) made four lists - and ranked high in each category.

1. **"Engineering: Electrical & Electronic"**

This list, the longest, ranks 138 EE journals. The TNN ranks number five. Seven of the top ten journals on this list are IEEE publications.

1. SEMICONDUCTOR SEMIMET
2. IEEE J QUANTUM ELECTRONICS
3. IEEE T PATTERN ANAL
4. IEEE T INFORM THEORY
5. IEEE T NEURAL NETWORKS

The lowest IEEE publication, IEEE T EDUCATION, enters the list at 109. Dead last is the SHARP TECH J. Some important publications, such as the IEEE TRANSACTIONS ON FUZZY SYSTEMS, the TNN's sibling journal, do not appear on the list. This may be due to its youth and the corresponding unavailability of citation history.

2. **"Computer Science: Theory & Methods"**

This category of 37 entries lists the TNN as number one.

1. IEEE T NEURAL NETWORKS
2. COMPUT SURV
3. ACM T COMPUT SYST
4. J LOGIC PROGRAM
5. REAL-TIME SYST

3. **"Computer Science: Hardware and Architecture"**

The TNN, here, is also number one in a list of 35 journals.

1. IEEE T NEURAL NETWORKS
2. COMMUN ACM
3. J ASSOC COMPUT MACH
4. IEEE T COMPUT
5. PERFORM EVALUATION

4. **“Computer Science: Artificial Intelligence”**

Of the top five journals in this category, three deal exclusively with neural networks. Here, the TNN ranks number three on a list of 32 entries. The rankings are

1. NEURAL COMPUTATION
2. IEEE T PATTERN ANAL
3. IEEE T NEURAL NETWORKS
4. NEURAL NETWORKS
5. ARTIF INTELL

TRANSACTIONS ON NEURAL NETWORKS

CIRCULATION DATA

Year	Page Count	Subscriber*
1990	312	n/a
1991	613	n/a
1992	1045	5000
1993	1012	5800
1994	1015	6000
1995	1580	5500
1996	1500	5500

* estimated

Table 1A. Circulation and printing information for TFS

Item	'93 (B)	'93(A)	'94 (B)	'94(A)	'95 (B)	'95 (A)	'96 (B)	'96 (A)	'97(B)	'97 (A)	'98 (B)	'98(A)
# pages	320	312	320	324	520	502	520	TBD	624			
# Issues/yr	4	4	4	4	4	4	4	4	4			
Print runs												
Feb.	3000	16400	9000	9200	9650	8400	7000	92	6000			
May	3000	8775	9000	8100	9650	7575	7000	128	6000			
Aug.	3000	9200	9000	8100	9650	6700	7000	TBD	6000			
Nov.	3000	9500	9000	8200	9650	6500	7000	TBD	6000			
Circulation												
Students	-	(+) ↓	-	634	-	471	700	465	400			
Members	2000	6666	7500	5223	7500	3806	5300	3609	3400			
Affiliates	-	(+) ↑	-	108	-	181	100	170	200			
APP	1000	1778	2000	847	2000	890	900	918	900			
Non Memb.	100	113	100	155	150	204	200	226	200			
In the bank	-	8557	-	6967	-	5552	-	5388	-			
Arrears						204	-	434	-			
Totals		8557 ¹	9600	6967 ²	9650	5756 ³	7200	5822 ⁴	5100			

Footnotes : ¹6/1/93: ²7/1/94 : ³2/26/96: ⁴4/06/96: dash means not estimated :

(A) = actual : (B) = budget : Arrears = persons expected to renew that have not as of date shown.

Table 1B. Budget Summary for TFS

Item	'93 (B)	'93(A)	'94 (B)	'94(A)	'95 (B)	'95 (A)	'96 (B)	'96 (A)	'97 (B)	'97 (A)	'98 (B)	'98(A)
Revenue : K\$												
Students	(+)↓	(+)↓	(+)↓	(+)↓	(+)↓	(+)↓	(+)↓	(+)↓	@ 9.5			
Members	(+)↓	(+)↓	(+)↓	(+)↓	(+)↓	(+)↓	(+)↓	(+)↓	@ 19			
Affiliates	20	69.9	75	60.8	127.5	118.3	95.0	TBD	@ 27			
APP	??=45	47.0	??=45	48.9	??=45	76.5	??=45	TBD	.7(92.2)			
Non M'bers	@100	11.1	@100	16.4	@ 200	(+)↑	@ 200	TBD	@ 250			
pp. Charges	-	4.3	-	4.9	-	9.6	5.0	TBD	5.0			
Totals	75	132.3	132	131	202.5	204.4	185.0	TBD	193.34			
Expenses : K\$												
Postage	56	21.3	80	14.4	88	16.8	30.0	TBD	20.1			
Admin/Ed	8	17.0	10	17.2	10	57.4	25.0	TBD	68.9			
Comp/Index	2	13.6	6	20.2	12	1.5	20.0	TBD	1.8			
Microfiche	(+)↑	0.5	(+)↑	0.6	(+)↑	0.5	1.0	TBD	0.6			
Paper	(+)↑	10.8	(+)↑	9.2	(+)↑	13.1	20.0	TBD	15.7			
Camera/Press	(+)↑	23.3	(+)↑	8.9	(+)↑	12.0	30.0	TBD	14.4			
Bind/Labels	(+)↑	5.1	(+)↑	3.7	(+)↑	3.4	10.0	TBD	4.1			
Handling/Misc	(+)↑	9.8	(+)↑	2.3	(+)↑	9.9	12.0	TBD	11.9			
Adj. Prior Yr.						(4.2)						
Totals	66	101.4	96	76.5	110	110.4	148.0	TBD	137.51			
Net Revenue : K\$												
NET K\$	9	30.9	36	54.5	92.5	94.0	37.0	TBD	55.84			
							→ 84.2					

Footnotes : ¹1997 costs = 1.2*1995 actuals : dash means not estimated .

??=guess : APP = all periodicals package : (A) = actual : (B) = budget : → 92.2 supplied by S. Nadler on 4/1/96, resulting in other → entries.
 : means included in next figure above ((+) ↑) or below ((+) ↓)

Table 2-93. Manuscript Pages for TFS in 1993

1993	MS Tech. Pages	Publ. Tech. Pages	Comp. Ratio (MTP/PTP)	# of Tech. Articles
1(1)	265	78	3.34	6
1(2)	242	75	3.23	7
1(3)	222	72	3.08	6
1(4)	244	65	3.75	6
Sum	973	290	3.35	25
Avg.	243.25	72.5	3.35	6.25

Table 2-94. Manuscript Pages for TFS in 1994

1994	MS Tech. Pages	Publ. Tech. Pages	Comp. Ratio (MTP/PTP)	Publ. Non- Technical Pages	Total Published Pages	# of Tech. Articles
2(1)	259	88	2.94	8	96	15
2(2)	246	88	2.79	8	96	8
2(3)	185	60	3.08	4	64	5
2(4)	160	57	2.81	11	68	6
Sum	850	293	11.62	31	324	34
Avg.	212.5	73.25	2.90	7.75	81	8.5

Table 2-95. Manuscript Pages for TFS in 1995

1995	MS Tech. Pages	Publ. Tech. Pages	Comp. Ratio (MTP/PTP)	Publ. Non- Technical Pages	Total Published Pages	# of Tech. Articles
3(1)	383	123	3.11	7	130	11
3(2)	365	121	3.01	7	128	12
3(3)	349	127	2.75	5	132	12
3(4)	337	101	3.34	11	112	13
Sum	1434	472	12.21	30	502	48
Avg.	358.5	118	3.04	7.5	125.5	12

Table 3. Manuscript Statistics for TFS Papers

ITEM	'92 (fm 7/1)	1993	1994	1995	1996 (to 9/1)	Row Totals
Accepted						
Full	26	38	23	18	2	107
Letter	5	11	8	8	1	33
Correspondence	1	3	4	1	0	9
Comments	2	6	0	0	0	8
Book review	0	0	0	1	2	3
Software review	0	0	0	1	0	1
Errata	0	0	0	0	1	1
Revision	15	43	63	63	17	201
Rejected	22	39	94	63	16	234
<i>Reject fraction</i>	0.30	0.27	0.47	0.35	0.41	0.33
Pending (#'ed by orig. year)	1	1	5	25	72	104
Withdrawn	0	0	1	0	1	2
Transfers	1	1	0	1	0	3
Special Issues (acc/reject)	0	0	0	*11/28*	0	11
Total (includes revisions)	73	142	198	192	112	717
Backlog (accepted & unpubl.)	4	0	12	24	12	

31

Table 4. (141) Papers by country for issues 1(1) to 4(3)

USA	61	Germany	3	Singapore	1
Japan	18	Brazil	3	Portugal	1
Taiwan	9	Spain	2	Morocco	1
Italy	7	Norway	2	Lebanon	1
Korea	6	India	2	Hungary	1
UK	5	Hong Kong	2	Finland	1
France	5	England	2	Belgium	1
Canada	5	Slovenia	1	Austria	1

Table 5. Turnaround times for issues 1(1) to 4(3)

First receipt to publication	Acceptance to publication
17.67 months	9.04 months

NNC-SPONSORED BOOK PROGRAM

Published books with IEEE-Press

**NNC initiated a book-sponsoring program in 1991.
Books are published by IEEE Press, following IEEE-Press
book review and procedures.**

Royalties to authors and sponsors are per IEEE Press guidelines.

**Potential authors can be anyone with expertise in the subject within the scope
of NNC. Authors can be IEEE members or non-members.**

The book sponsoring program serves to:

- educate the community**
- provide reference material to researchers**
- provide the stimulus and spark interest in the areas of NNC**
- provide income to IEEE, IEEE Press, and to NNC**

**The book program has been proven very effective, with 14 titles published
and about \$1M revenues, by year end 1996. More titles are under review.**

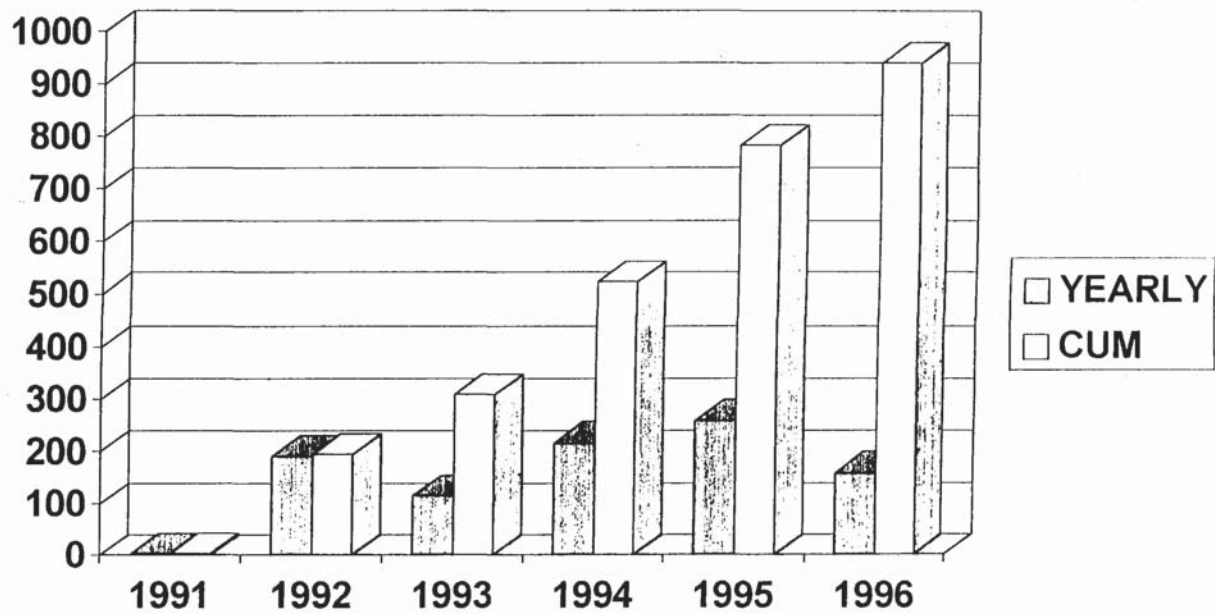
NNC-SPONSORED BOOK PROGRAM

Published books with IEEE-Press

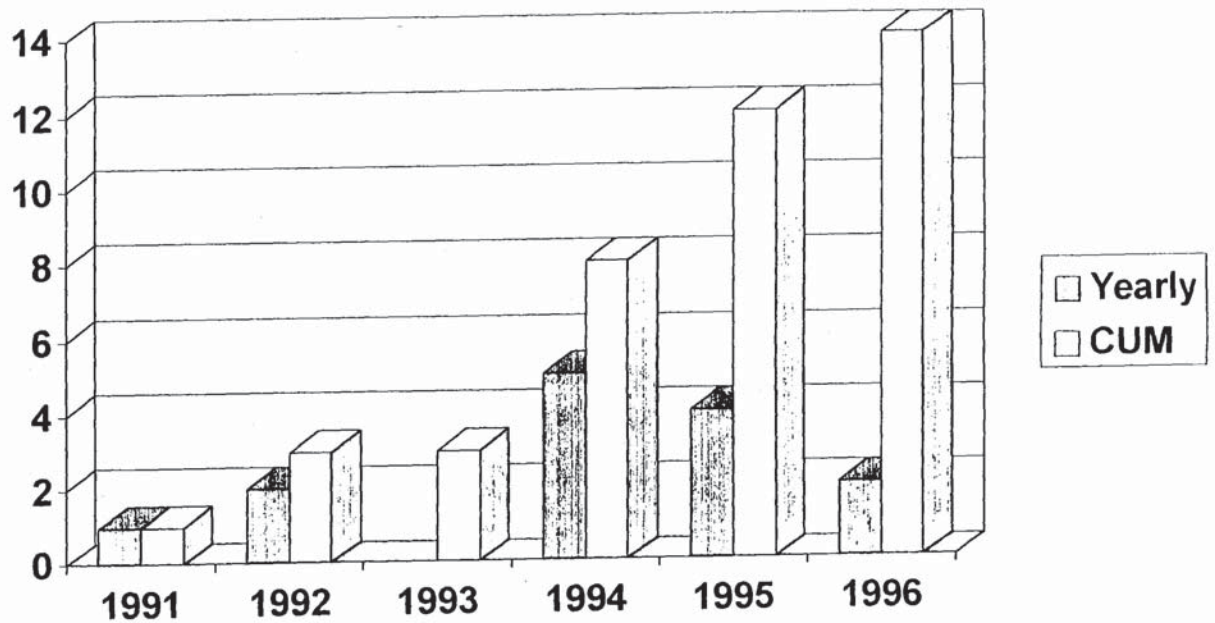
- Computational Intelligence: 1996, Palaniswami
- Fuzzy Logic and Neural Networks: 1996, Chen
- Understanding Neural Networks and Fuzzy Logic: 1995, Kartalopoulos
- Pattern Recognition with Neural Networks: 1995, Pandya/Macy
- Intelligent Control Systems: 1995, Gupta/Sinha
- Industrial Applications of Fuzzy Logic: 1995, Yen et al.
- Evolutionary Computation: 1994, Fogel
- Computational Intelligence, 1994, Zurada et al
- Neuro-Control Systems: 1994, Gupta/Rao
- Neuro-Vision Systems: 1994, Gupta/Knopf
- Neural Networks: 1994, Haykin
- Artificial Neural Networks: 1992, Sanchez-Sinencio/Lau
- Fuzzy Models for Pattern Recognition: 1992, Bezdek/Pal
- Neural Networks: 1991, Lau

More than 2000 copies sold

IEEE-PRESS REVENUES (\$000) FROM NNC-SPONSORED BOOKS



NNC-SPONSORED BOOKS PUBLISHED BY IEEE-PRESS



NNC VIDEO EDUCATION

**NNC initiated a Video cassette education program in 1992.
Videos are promoted and sold by IEEE.**

Presenters are well known in the industry and academia.

The Video program serves to:

- **educate the community**
- **provide reference material to researchers**
- **provide the stimulus and spark interest in the areas of NNC**
- **provide income to IEEE and to NNC**

The Video program has been proven very effective, with 19 titles published; more titles are in the works.

NNC VIDEO EDUCATION

- Fuzzy Logic & Neural Networks, 1993
- Theory & Applications Fuzzy series, 1992
- Intro to Fuzzy Set Theory, 1992
- Fuzzy Logic: Advanced concepts, 1992
- Information Processing with Fuzzy Logic, 1992
- FL & NN Control Systems, 1992
- FL & NN Pattern Recognition, 1992
- FL & NN Comp Vision, 1992
- Neural Networks pioneer series, 1992
- Adaptive Signal Processing, 1992
- Learning, Recognition & Prediction, 1992
- Adaptive Vector, 1992
- Digital Neural Networks, 1995
- NN & Control of Dynamic Systems, 1994
- Introduction to Virtual Reality, 1995
- Psychophysics & Tech of VR, 1995
- VR Architecture, 1995
- Applying Virtual Environment Tech., 1995
- Force Reflecting Interfaces, 1995

NNC PUBLICATIONS: NEWSLETTER

The NNC Newsletter *Connections* provides information items to subscribers of TNN, TFS and TEC.

As of 4/96 it is published in electronic form on the NNC's web page.

NNC WEB HOME PAGE

- **NNC's WEB HOME PAGE (as of 8/95):**

<http://www.ieee.org/NNC>

- **It includes:**

NNC Organization

Conference announcements

Publications

Book reviews

NNC's Newsletter *Connections*

Research items

Hyperlinks

NNC ELECTRONIC PUBLISHING

- **NNC PLANS TO PUBLISH TNN, TFS, & TEC ELECTRONICALLY STARTING IN 1997**
- **THIS IS A JOINT VENTURE WITH 5 (or 6) IEEE SOCIETIES**
- **SERVER WILL BE ONLY FOR JOINT VENTURE PARTNERS & IT WILL BE MAINTAINED BY IEEE**
- **PROCUREMENT, OPERATING & MAINTENANCE COST WILL BE SHARED BY PARTNERS.**

NNC ELECTRONIC PUBLISHING

Background

From the June 1996 IEEE ExCom Meeting at Montreal:

“The presidents ..of five IEEE Societies (CAS, ComSoc, C.S, E.D., & LEOS) and NNC’s met last June in Montreal to consider the electronic publishing of their magazines and transactions. A representative of IEEE headquarters presented a proposed budget for 1996 and 1997 for such an activity. The estimated cost for each participant is \$15K for 1996 and \$12K for 1997. “

NNC’s Decision:

Karplus asked NNC Publications to examine this proposal. At the Sept NNC ExCom meeting, Kartalopoulos made a report. It was recognized that the benefits to NNC community outnumber risks on income and subscription, and ExCom unanimously approved participation as a full member in the above proposal. Subsequent to this, AdCom members also approved via electronic ballot vote.

Next Step:

The three transactions (TNN, TFS, and TEC) will be made available on the web as soon as the new server is in operation, beginning 1997. During 1997, no charge will be made for this service; the latter will be reviewed for 1998.

VII OTHER ACTIVITIES

A. Globalization Efforts

NNC is truly a global operation. We have made every effort to sprinkle our annual flagship conferences all over the world. As tabulated in Section V, we have sponsored major conferences in Japan, Australia, Spain, Singapore and China.

As a council we do not have members or chapters; however we have at present twelve active Regional Interest Groups and are doing our best to nurture them. The following are the location of these RIGs:

Australia - New South Wales	Hong Kong
Australia - Queensland	India
Australia - South	Italy
Australia - Victoria	Korea
Australia - Western	Spain
China	United Kingdom

B. Competition/Cooperation

During our initial years, our major competition came from the International Neural Networks Society (INNS). Our efforts to have joint international conferences with INNS collapsed because of INNS's inability to conform to the IEEE's administration/finance conference rules. We have now solved this problems, and NNC/INNS joint conferences will be run with NNC carrying 100% of the financial commitment, while INNS will be a technical co-sponsor.

Our Virtual Reality (VR) conferences ran into competition with the Computer Society. This has been resolved by co-sponsoring our virtual reality meetings (VRAIS) with the Computer Society on a 50/50 basis.

We work closely with Japanese organization in our field of interest. However, so far we have been unable to establish formal relations with similar European organizations.

C. Standards

The NNC Standards Committee began functioning in 1992 and filed a number of Project Authorization Requests (PARs) with the IEEE Standards Board. After extensive wrestling with rules and formalisms, we decided last year to transfer all of our PARs to the Computer Society and to participate in the standards process via Standards Coordinating Committees (SCCs). At the same time, our committee is busy with a number of projects including key-word lists, glossaries and benchmarks.

D. Education

NNC has from the beginning emphasized its commitment to education, especially to college and university students. NNC meeting depend heavily on the help of student volunteers, whose efforts are recognized and formally appreciated by the meetings and council leadership.

In 1996; the NNC launched an imaginative new program. Each year beginning with 1996, NNC is earmarking somewhere between \$ 50K and \$ 100K to support travel by students wishing to participate in NNC-sponsored meetings. This constitute an attempt to shift funds from publications, which are very flush, to conferences -- without, however, interfering with the tight and long-range way that we budget our conferences. This appropriation in the hands of our Education Committee, which in turn allocates funds to specific meetings chairs for the exclusive purpose of supporting student travel.

VIII LONG TERM GOALS AND DIRECTIONS

Our long-term planning is done primarily by our five technical committees and by our ExCom. Our AdCom is too large and heterogeneous to serve for this purpose.

As discussed below, NNC has developed a unique mechanism for stimulating new areas and has been extraordinarily successful in this. We intend to follow this modus operandi in the future.

Our long-term goal is to continue to be the premier technical organization in the general area of computational intelligence -- by offering excellent publications and conferences and by encompassing new related fields as they emerge.

Five years from now NNC may have become a society, it may have merged with an existing IEEE society, or it may still be a council. Within the computational intelligence community there is very strong support for becoming a society. On the other hand, five of the NNC sponsoring societies would very much like for NNC to merge with them. Finally, NNC is operating satisfactorily as a council. It is nice to be in demand.

IX SUMMARY

NNC has become a glittering success. It is in excellent financial shape. Its transactions are reaching over 15,000 readers. Its books are IEEE bestsellers. It sponsors five annual international conference, each devoted to a different area within the computational intelligence field. Where do we go from here?

The Neural Networks Council was founded initially to pursue one hot topic -- neural networks. Conferences sponsored by NNC and its forerunner in the late 1980's and early 1990s were very successful from all points of view. This provided the funds and clientele for new publications and additional conferences. It soon became apparent that Neural Networks was only the tip of an iceberg. We discovered enclaves of scientists and engineers with mind sets very similar to those of the neural networks practitioners, often with overlapping interests. So we strove to accommodate them. This led to our moves into fuzzy systems, then evolutionary computations, then virtual reality and then financial engineering. And further excursions are already in the planning stage. In essence, we at NNC have been participants in the founding and nurturing of exciting, emerging fields and disciplines. We have made it possible for fragmented, polarized groups to join in defining the paradigms for new areas, to establish common sets of objectives and modes of practice.

NNC's approach to this task has been unique, at least within IEEE. Other societies attempt to cater to new interests of their members by broadening the scope of papers accepted by their publications, and by organizing special sessions at their annual conferences. By contrast, the NNC modus operandi has been to organize, as quickly as possible, specialized annual conferences in emerging fields (eg. FUZZY, EC, VR, CF). In this way we have been able to give the emerging field an immediate identity. We enable its leaders to serve as general chairs and program chairs of international conferences targeted exclusively at their field and to edit proceedings that become landmark publications. This we follow up by encouraging the initiation of new publications (TFS, TEC, etc.) to serve as archives for their field. Of course, all this involves start-up costs for seed money, technical committees, etc. But what better use of the money we generate with our conferences and publications? We have been fortunate in our entrepreneurship. All our major investments have paid off, and we are sitting on top of five activities, each led by bright-eyed and bushy-tailed activists and supported by

exceptionally enthusiastic volunteers. And there is much more to come.

NNC is hampered by the limitations placed on it as a council. We are unable to have a grass-roots membership; we cannot have chapters; and our governance is in the hands of a very indirectly chosen AdCom and subject to political winds beyond our control. But we prevail and will continue to prevail none-the-less.

APPENDIX

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