

EE News

TOTALLY RADICAL
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Undergraduate advising news

UNDERGRADUATE BSEE degree applicants for March 1990, please make an appointment with Joy in the Advising Office. The deadline is January 10, so let's get them done before Christmas Break!

Please welcome our new EE Undergraduate Academic Counselor, Loni Stone. She will join us in Room 215 on December 18.

GOOD LUCK TO ALL DECEMBER GRADUATES:

John M. Ancich Jr.
Gavin E. Bepple
John Eric Braun
Rodney Cheong
Maureen Jones Conner
Thai H. Dang
Huong My Du
Said Elaoud
Timothy Janof Finholt
Ololade B. Franklin
Sheri Akemi Fukunaga
Carrie L. Gabriel
Eric W. Hanson
Thu-Uyen Thi Hoang
Rick Wayne Huguenin
An B. Huynh
Yongho Jang
Stephen O. Johnson
Marcelynn N. Kamida
Karen Anne Koontz
Chong Yun Lee
Claire B. Lloyd
Michael Kenneth Locke
Bradley Willard Maupin
Mandana Mojirsheibani

Hung Hoang Nguyen
Huy Quang Nguyen
Kathy Ha Nguyen
Melinda Diem Nguyen
Phuong Yen Loan Nguyen
Tri Duy Nguyen
Kenneth B. Pavletich
Lauren Robert Petric
Patrick Phung
Kris L. Piccolo
Steve Presta
Kurt E. Sahlin
Lisa M. Tamekuni
Berhanu Kebede Tesema
Tri M. Tran
Tung T. Tran
Douglas A. Vargha
Scott A. Vigil
Thuy-Lan Vo
Gregory A. Wong

*Happy Holidays from all of us
in the Advising Office!*

Graduate advising

Applications for Master's degrees-Winter Quarter 1990

Graduate students who expect to complete the requirements for a Master's degree by March, 1990 must apply for the degree at the Graduate School during the first two weeks of Winter Quarter, *January 2 through January 16, 1990.*

(see page 2)

Consulting Engineers Scholarship

THE CONSULTING Engineers Council of Washington will award one \$2000 and one \$1000 scholarship to engineering students in Washington state. Winners of these scholarships are eligible to enter national competition for scholarships totaling \$22,000 (\$5000 maximum per scholarship) which are provided by the American Consulting Engineers Council. Eligibility requirements include sophomore or junior status. Contact Barb Foster in Room 313 for application forms. The application deadline is February 16, 1990. Professor Moritz in Room 304 is the Undergraduate Scholarship Chairman.

-Bill Moritz

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Applications are evaluated for Graduate School requirements and if approved are forwarded to the appropriate Graduate Program assistant. When the student has passed the final examination and presented an acceptable thesis (if one is required), the application, signed by the student's committee, is returned to the Graduate School no later than March 16, 1990.

Approved applications are good for two consecutive quarters only, including Spring. Therefore, graduate students who apply for Winter and do not complete requirements need not re-apply for Spring Quarter 1990. However, it is required that such students be registered during the quarter in which degree requirements are met and the degree is expected.

The filing of the application for the Master's degree is solely the responsibility of the student.

Council on Neural Networks formed

ARTIFICIAL NEURAL networks are highly interconnected arrays of elementary processors that mimic the architecture of biological nervous systems. They are being used in such diverse areas as power load forecasting, speech recognition, mortgage brokering, and plastics explosives detection. Indeed, the plastics explosives detector currently used at New York's JFK Airport contains an artificial neural network.

The Council on Neural Networks (CNN) will focus on all neural network activity in the IEEE

At their November Meeting, the Technical Activities Board of the IEEE, consisting of the presidents of the 37 societies and councils of the IEEE, approved formation of the IEEE Council on Neural Networks

(CNN). The CNN will be the focus of all neural network activity in the IEEE, including the publishing of the new journal *IEEE Transactions on Neural Networks* and coordination of the largest conference in the world on the topic, the International Joint Conference on Neural Networks.

At the first meeting of the Administrative Committee of the CNN, UW EE professor Robert J. Marks II was elected the first president of the CNN. Approved at the same meeting was Seattle as the tentative site for the 1991 International Joint Conference on Neural Networks. The conference will attract over 2000 registrants from around the world and will have a major impact on the visibility of the Northwest in general and the University of Washington in particular in this exciting, evolving area of technology.

UW student selected as finalist

QINGLIN MA, a Ph.D. student, was chosen as one of three finalists in the 1990 URSI Student Prize Paper Competition for her paper, "Propagation and Depolarization of an Arbitrarily Polarized Wave Obliquely Incident on a Slab of Random Medium." She has also been invited to present her paper during the plenary session of the National Radio Science Meeting to be held in Boulder, Colorado in January 1990. Qinglin will receive a cash prize and travel expenses. The paper is based on her Ph.D. dissertation and her advisor is Professor Ishimaru.

IEEE Student Branch activities

- Resumes to be included in 1989-90 UW IEEE Student Branch Resume Book are still being accepted. Both career, co-op, and summer job seekers are encouraged to submit their resumes in the large, white box in the IEEE lounge.
- Orders for sweatshirts with the old design ("Electrical Engineering") are still being taken. An example can be found in the first-floor display window. The cost is \$14 for IEEE members and \$17 for non-IEEE members. Specify the size desired and white lettering on navy blue or navy blue lettering on grey when ordering. Leave your pre-paid orders together with your IEEE membership number (if applicable) in the WonderBox in the first-floor lounge. Make checks payable to IEEE.
- The EE sweatshirt design contest is still on and people are encouraged to submit their designs in the white box in the lounge by the end of the quarter. Remember, the winner takes home a sweatshirt bearing his or her design and an H-P calculator!