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IJCNN 91 Singapore: The International Joint Conference on Neural Networks

Teck Seng Low, General Chairman

Singapore hosted the first IJCNN to be held outside the US from November 19-21, 1991. The conference was sponsored by the IEEE Singapore Section, the IEEE Neural Networks Council, and the INNS. It attracted 200 tutorial attendees and 600 conference attendees. A total of 457 papers were accepted for presentation at the conference. The breakdown of paper submission and attendees showed IJCNN 91 Singapore to be a truly international. It reflects the pace of Neural Network research around the world. IJCNN 91 Singapore also provided an opportunity for the 200 student attendees from all over the world to meet.

On the opening day seven tutorials were conducted. This was followed in the evening by a welcome reception and a public lecture by Prof. Terrence Sejnowski. This lecture, "Neural Computation", was organized for the Singapore public, including high school students, and conference attendees and the popularity of the lecture filled the 600 capacity hall to the brim. This lec-

ture was co-sponsored by the National Science and Technology Board of Singapore who also co-sponsored the seminar by Dr. Tom Caudell of Boeing Corp. at the National University of Singapore on the 22 November.

The conference from 19-21 November saw high attendance at the plenary addresses given by Prof. Kohonen, Prof. Nishikawa and Prof. Narendra. The invited talks by Pro-

fessors Eckmiller, Fukuda Lacher, Sejnowski and Drs. Eberhart, Bulsara, Kawato and Allinson were also well received.

The poster sessions proved popular and many were very well presented. This may be due to the US$50 award for the best poster presentation at each of the six sessions.

In line with the increased applications of neural networks in industry and their possible impact in the finance and banking industry, and

IJCNN attendees learn local dances at the conference banquet. (Photo courtesy Bob Marks)

Winners of IJCNN Singapore Poster Awards

Poster Session 1	Tactile robot shape recognition using geometrical angle/length	Ng E.W.K.; Coghill G.G., and Tuck D.L. University of Auckland, New Zealand
Poster Session 2	Neural Somatotopical Mapping for VLSI Placement Optimization	Zhang C.X.; Mylinski D.A., University of Karlsruhe, Germany
Poster Session 3	A Cognitively-Based Neural Network for Determining Paragraph Coherence	Carlson, Patricia A. and The, Anthony, Human Resources Directorate, USA
Poster Session 4 Joint Winners	Applying Artificial Neural Networks to Object and Orientation Recognition for Robotic Handling and	Bowles, Angela, BHP Research, Melbourne Laboratories, Australia
	A Free Graph Method Using a Fuzzy Neural Network for Expressing Conditions of Complex Systems	Hashimaya, T.; Furuhashi,T. and Uchikawa, Y., Nagoya University Japan; Kato H., Nippondeso Co. Ltd. Japan
Poster Session 5	Rotation Invariant Neocognition	Ting, Hiau-Ann Christopher, National University of Singapore, Singapore
Poster Session 6	An Approach for Solving Dynamic TSPs Using Neural Networks	Shinozawa Kazuhiko; Uchiyama, Tadasu and Shimohara K., NTT Human Interface Labs., Japan

Shiro Usui, NNC AdCom member (left), Russ Eberhart, 1992 NNC President, and Roy S. Nutter, 1992 NNC Treasurer at the Presidents Dinner. *(Photo courtesy Bob Marks)*

provided for all attendees. This created ample opportunities for intellectual and social interaction, an aspect of IJCNN 91 Singapore which was very much appreciated by all who attended.

In conclusion, IJCNN 91 Singapore was a tremendous success. The visibility of IJCNN on the international stage has been firmly planted. The international atmosphere at IJCNN 91 Singapore and the enthusiasm and goodwill generated testifies to the transnationalism of technology and the benefits of international conferences.

industry panel chaired by Dr. Caudell from Boeing and a financial applications panel chaired by Dr. Deboeyck of the World Bank were organized.

A highlight of the conference was the Banquet on the evening of 20 November. Attendees were treated to a nine-course Chinese dinner and a cultural show which described Singapore's cultural diversity. It was a most enjoyable evening.

During the length of the conference, lunches and coffee were
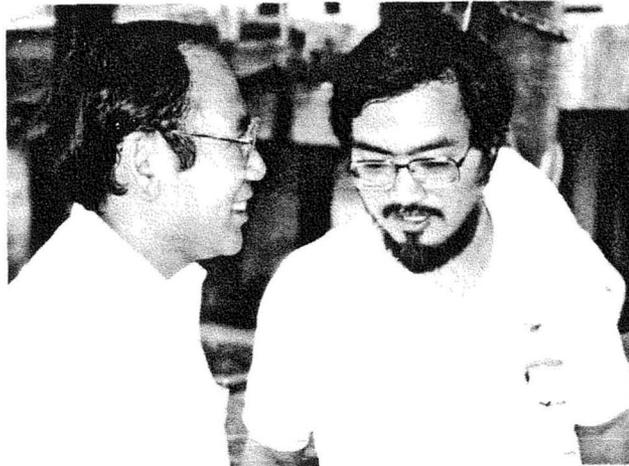
Clifford Lau (left), Chair of the 1992 Baltimore IJCNN and Toshio Fukuda, Chair of the 1993 Nagoya IJCNN on a cruise in Singapore Harbour. *(Photo courtesy Bob Marks)*