



IJCNN '91—SEATTLE



SEATTLE, WA, U.S.A.

July 8–12, 1991

THE International Joint Conference on Neural Networks (IJCNN) is sponsored by the International Neural Network Society (INNS) and the Institute of Electrical and Electronics Engineers, Inc. (IEEE). This Annual IJCNN conference is scheduled for July 8–12, 1991, in Seattle, Washington, at the Seattle Convention and Trade Center.

The Annual Conference of IJCNN has grown to become the largest neural network, hybrid, and fuzzy systems conference in the world. Its importance lies in its ability to unify the broad and diverse fields of this multidiscipline technology. The purpose of the conference is to provide a forum for dissemination of the latest scientific and technical information in engineering, biology, psychology, computer science, and other sciences which may have a bearing on intelligent systems and to give the participants a sense of the future directions of these burgeoning technologies. This is accomplished through presentation of invited and contributed papers and tutorials and through panel discussions and exhibits. Researchers, scientists, engineers, consultants, application specialists, and students from the fields of finance, biology, robotics, computer science, medicine, industry, aerospace, transportation, mathematics, electrical engineering, and other fields of science will attend IJCNN'91-SEATTLE. Exhibitors will present the latest in neural networks, including neurocomputers, VLSI neural networks, implementations, software systems, and applications at IJCNN'91-SEATTLE, which is the neural network industry's largest trade show.

David E. Rumelhart of Stanford University is the conference chairman. Demetri Psaltis of Caltech and Larry Jackel of AT&T are the program cochairs.

Plenary speakers are Geoffrey Hinton of the University of Toronto, Jack Cowan of the University of Chicago, and Rodney Brooks of MIT.

Invited speakers are Shun-ichi Amari of Tokyo University, Yasser Abu-Mostafa of Caltech, Tomaso Poggio of MIT, Dana Ballard of the University of Rochester, Gerald Tesaro of IBM, George Cybenko of the University of Illinois, Stephen Omohundro of ICSI, Lawrence Rabiner of AT&T, and Christoph von der Marlsburg of Ruhr Universität Bochum.

The proposed tutorial schedule for IJCNN'91-SEATTLE is: Terrence Sejnowski of the Salk Institute ("Neuroscience for Neural Networks") and Richard Lippmann of MIT Lincoln Labs ("Pattern Classification Using Neural Networks"). These plenary tutorials will be presented on July 8,

1991, from 8:00 AM to 10:00 AM at the Washington State Convention and Trade Center.

Two (2) hour topical tutorials will follow the plenary tutorials and will include James Anderson of Brown University ("Cognitive Science: Software Hints for Neural Net Hardware"), Mitsuo Kawato of ATR ("Trajectory Formation and Control of Redundant Robots"), Federico Faggin of Synaptics ("VLSI Implementation of Neural Networks"), Yasser Abu-Mostafa of Caltech ("Learning in Neural Nets: Information vs. Complexity"), Thomas Brown of Yale University ("Neuronal Plasticity and Learning"), Robert Hecht-Nielsen of HNC ("Neurocomputing Applications"), Francoise Fogelman of Mimetics ("Neural Networks for Pattern Recognition"), John Moody of Yale University ("Learning, Generalization and Model Selection"), Alex Waibel of Carnegie Mellon ("Neural-Net Speech Recognition"), Stephen Grossberg of Boston University ("Unsupervised Learning"), Bernard Widrow of Stanford University ("Theory and Applications of Learning Algorithms in the Madeline and Backpropagation Family"), and Paul Werbos of NSF ("A Current Overview of Neurocontrol").

The cost for tutorials is \$195 and the deadline for registration for tutorials is April 30, 1991. Tutorial registration on site will be \$295. Copies of the materials presented will be available at the individual tutorial sessions.

The cost of IJCNN'91-SEATTLE is \$195 for INNS & IEEE members for early registration, deadline March 1, 1991. Early registration for nonmembers is \$295 and students will pay \$50. Late registration will be honored until June 1, 1991, to members @ \$295, nonmembers @ \$395, and students @ \$75. On-site registration will be \$395, \$495, and \$95 respectively. Full conference registration includes admission to all sessions, exhibit areas, and receptions, plus proceedings. Tutorials are not included.

Special evening sessions during IJCNN'91-SEATTLE will include an International Government Panel, Industry Panel, Fuzzy Systems Panel, and Deployed Applications of Neural Networks.

For the convenience of attendees traveling to IJCNN'91-SEATTLE, Dikmen Travel, Inc., has been designated the North American Official Travel Agency. Contact Dikmen Travel and identify yourself as an IJCNN'91-SEATTLE attendee: (800) 284-3386 Monday–Friday, 8:30 AM–5:30 PM. FAX (206) 441-3092 and TELEX 703908.

Sarah Eck, University of Washington, Conference Management:
(206) 543-0888 or FAX (206) 685-9359

Conferences sponsored or co-sponsored by the IEEE NNC

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| Name | IJCNN |
| Dates | July 8-14, 1991 |
| Venue | Seattle, WA |
| Administrators | David Rumelhart, Conference Chair Larry Jackel, Program co-Chair Demetri Tsaltis, Program co-Chair |
| Conference record | <i>Proc. of the IJCNN</i> |
| Name | IJCNN |
| Dates | November 18-21, 1991 |
| Venue | Singapore |
| Administrators | Teck Seng Low, Conference Chair Russell Eberhart, Vice-Chair |
| Conference record | <i>Proc. of the IJCNN</i> |