



# International Joint Conference on Neural Networks

San Diego, California • June 17 - 21, 1990

The 1990 International Joint Conference on Neural Networks (IJCNN) is sponsored by the IEEE Council on Neural Networks and the International Neural Network Society (INNS). The IJCNN will cover the full spectrum of neural computing from theory such as neurodynamics to applications such as machine vision. Meet leading experts and practitioners during the largest conference in the field. For further information contact Nomi Feldman, Meeting Management, 5665 Oberlin Dr., Suite 110, San Diego CA 92121. Telephone (619) 453-6222.

## Schedule of Events

Sunday, June 17	TUTORIALS (8 a.m. - 6 p.m.) RECEPTION (6 p.m. - 8 p.m.) INDUSTRY PANEL (8 p.m. - 10 p.m.)
Monday, June 18	TECHNICAL SESSIONS (8 a.m. - 5 p.m.) <i>Applications I, Invertebrate Neural Networks, Applications II, Image Processing</i> BIOENGINEERING PANEL (12 p.m. - 1:30 p.m.) PLENARY SESSION(S) (8 p.m. - 10 p.m.)
Tuesday, June 19	TECHNICAL SESSIONS (8 a.m. - 5 p.m.) <i>Supervised Learning, Associative Memory, Unsupervised Learning, Sensation and Perception</i> PLENARY SESSION(S) (8 p.m. - 10 p.m.)
Wednesday, June 20	TECHNICAL SESSIONS (8 a.m. - 5 p.m.) <i>Electrical Neurocomputers, Sensorimotor Control Systems, Optical Neurocomputers, Machine Vision</i> PARTY (6 p.m. - 8 p.m.) GOVERNMENT PANEL (8 p.m. - 10 p.m.)
Thursday, June 21	TECHNICAL SESSIONS (8 a.m. - 5 p.m.) <i>Robotics and Control, Neuro-Dynamics, Neurocognition, Optimization</i>

## Tutorials

Thirteen tutorials are planned for Sunday, June 17. Following are the presenters and their topics:

*Adaptive Sensory-Motor Control* - Stephen Grossberg, Boston University, *Associative Memory* - Bart Kosko, University of Southern California, *Chaos for Engineers* - Leon Chua, UC Berkeley, *Dynamical Systems Review* - Morris Hirsch, UC Berkeley, *LMS Techniques in Neural Networks* - Bernard Widrow, Stanford University, *Neural Network Applications* - Robert Hecht-Nielsen, HNC, *Neurobiology I: Neurons and Simple Networks* - Walter Freeman, UC Berkeley, *Neurobiology II: Advanced Networks* - Allen Selverston, UC San Diego, *Optical Neurocomputers* - Demitri Psaltis, CalTech, *Reinforcement Learning* - Andrew Barto, University of Massachusetts, Amherst, *Self-Organizing Feature Maps* - Teuvo Kohonen, Helsinki University, *Vision* - John Daugman, Harvard University, *VLSI Technology and Neural Network Chips* - Lawrence Jackel, Bell Laboratories

Tutorials are \$125 each or four for \$450. Registration is on a first-come, first-served basis, and early registration is strongly advised. Only registered conference participants may register for tutorials.

## Exhibits

Exhibitors will present innovations in neural networks, including neurocomputers, VLSI neural networks, implementations, software systems and applications. IJCNN is the neural network industry's largest tradeshow. Vendors may contact Richard Rea at (619) 222-7447 for additional information.

## Accommodations

The IJCNN location is at San Diego Marriott Hotel and Marina, on the San Diego Bay. Special room rates are offered to conference participants. A limited number of rooms are being held for the group until May 15, 1990. For more information, please call the San Diego Marriott Hotel and Marina at (619) 234-1500.

## Registration

The conference registration fee includes admission to all sessions, exhibit area, Sunday Welcome Reception and Wednesday Party. TUTORIALS ARE NOT INCLUDED. There is a substantial savings realized for early registration. Before April 15, 1990, the price is \$240, and registration after April 15 is \$280. A single-day rate, proceedings not included, is available for \$110. Full-time students may attend for \$50, proceedings and Wednesday Party not included.

### Conferences sponsored by the IEEE.

Name	IJCNN
Dates	June 17-21, 1990
Venue	San Diego, CA
Administrators	Walter Karplus, Conference co-Chair Joseph Goodman, Conference co-Chair Walter Freeman, Program co-Chair Bart Kosko, Program co-Chair
Conference record	<i>Proc. of the IJCNN</i>