Tenth Annual Conference

Tutorials
December 2, Denver, Colorado

Paper Sessions
December 3-5, Denver, Colorado

Invited Papers

Workshops
December 6-7, Snowmass, Colorado

Computer Graphics for Film: Automatic versus Manual Techniques
Eric Enderton (Banquet Speaker), Industrial Light and Magic

Wavelets, Wavelet Packets, and Beyond: Applications of New Adaptive Signal Representations
David Donoho, Stanford University and UC Berkeley

Plasticity of Dynamics as Opposed to Absolute Strength of Synapses
Henry Markram, Weizmann Institute

Transition between Rate and Temporal Coding in Neocortex as Determined by Synaptic Depression
Misha Tsodyks, Weizmann Institute

The CONDENSATION Algorithm – Conditional Density Propagation and Applications to Visual Tracking
Andrew Blake, University of Oxford

Compositionality, MDL Priors, and Object Recognition
Stuart Geman and Elie Bienenstock, Brown University

From Traditional Statistical Models to Neural Networks
Trevor Hastie, Stanford University

Practical Pattern Recognition via Neural Networks
Brian Ripley, University of Oxford

Neural Networks for the Human Genome Project and Beyond
Frank Eeckman, Lawrence Berkeley National Laboratory

Mostly Statistical Methods for Language Processing
Dan Jurafsky, University of Colorado at Boulder

Time Series Models: Classical and Nonlinear Approaches
John Moody, Oregon Graduate Institute

Reinforcement Learning
Rich Sutton, University of Massachusetts

NIPS 1996

Session Topics

Algorithms and Architectures
Applications
Cognitive Science and Artificial Intelligence
Control, Navigation, and Planning
Implementations
Neuroscience
Speech, Handwriting, and Signal Processing
Theory
Visual Processing

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Nips '96
Neural Information Processing Systems

is the tenth annual meeting of the premier interdisciplinary conference covering all aspects of neural processing and computation. NIPS brings together neuroscientists, computer scientists, cognitive scientists, engineers, physicists, mathematicians, and statisticians with interests in natural and artificial neural systems. The single-track conference includes invited talks and oral and poster presentations of stringently refereed papers. A full day of state-of-the-art tutorial presentations precedes three days of regular sessions. Two days of focused workshops follow at a world-class ski resort.

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Printed on Carmar by 1: Five Communications