

Tenth Annual Conference

Tutorials

December 2, Denver, Colorado

Paper Sessions

December 3-5, Denver, Colorado

Invited Papers

Workshops

December 6-7, Snowmass, Colorado

From Traditional Statistical Models to Neural Networks
TREVOR HARTIG, STANFORD UNIVERSITY

Practical Pattern Recognition with Neural Networks
BLAIR RIPLEY, UNIVERSITY OF OXFORD

Neural Networks for the Human Genome Project and Beyond
FRANK GERGMAN, LAWRENCE BERKELEY NATIONAL LABORATORY

Mostly Statistical Methods for Language Processing
DAN JURKOVSKY, UNIVERSITY OF COLORADO AT BOULDER

Time-Series Models: Classical and Nonlinear Approaches
JOHN MOODY, OREGON GRADUATE INSTITUTE

Reinforcement Learning
RICH ELLISON, UNIVERSITY OF MASSACHUSETTS

Computer Graphics for Film: Automatic versus Manual Techniques
ERIC EDWARDS (BANQUET SPEAKER), INDUSTRIAL LIGHT AND MAGIC

Wavelets, Wavelet Packets, and Beyond: Applications of New Adaptive Signal Representations
DAVID DONOHUO, 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
MIHA TODEK, WEIZMANN INSTITUTE

The CONDENSATION Algorithm - Conditional Density Propagation and Applications to Visual Tracking
ANDREW BLAKE, UNIVERSITY OF OXFORD

Compositional MBL Priors, and Object Recognition
STUART GEWAN AND ELIE BRENEMTOK, BROWN UNIVERSITY

Session Topics

Organizing Committee

Information Resources

NIPS '96

Neural Information Processing Systems

NIPS '96

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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FOR OTHER INFORMATION, CONTACT: NIPS '96, CONFERENCE COORDINATING ASSOCIATE,
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IF THE TENTH ANNUAL MEETING OF THE NEURAL INFORMATION PROCESSING SYSTEMS CONFERENCE COVERS ALL ASPECTS OF NEURAL PROCESSING AND COMPUTATION, NIPS'96 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 PAPER PRESENTATIONS OF STIMULATING RESEARCH. A FULL DAY OF STATE-OF-THE-ART TUTORIAL PRESENTATIONS PRECEDES THREE DAYS OF REGULAR SESSIONS. TWO DAYS OF POSTER SESSIONS FOLLOW AT A WORLD-CLASS INDIAN RESERVE.

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CONFERENCE ARRANGEMENTS BY CONFERENCE COORDINATING ASSOCIATE

Registration fees: \$100 for the NIPS '96 Main Session, \$50 for the NIPS '96 Workshop Session, \$25 for the NIPS '96 Tutorial Session, \$10 for the NIPS '96 Poster Session. For more information, visit the NIPS '96 web page at <http://www.cse.cmu.edu/NIPS/Group/NIPS/> or contact the NIPS '96 Conference Coordinating Associate at nips96@jackson.com.
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