

NIPS 1999

Tutorials: November 29 Denver, Colorado

Conference: November 30 - December 2 Denver, Colorado

Workshops: December 2 - 4 Breckenridge, Colorado

Tutorials-

Rodney Douglas- "Neural Computation: from Software Simulation to Hardware Emulation"

Usama Fayyad and Heikki Mannila- "Data Mining and Scalability to Large Databases"

Zoubin Ghahramani- "Probabilistic Language Models for Unsupervised Learning"

John Lafferty- "Probabilistic Language Models: 100 Years and Counting"

Andrew Lo- "WARNING: Data-Snooping May Be Dangerous to Your Wealth!"

Manfred Warmuth- "On-line Learning and Relative Loss Bounds"

Invited Talks-

Edward Adelson (Banquet Speaker)- "Lightness Perception and Lightness Illusions"

Donald Eddington- "Sound Processing for Cochlear Implants:

Rationale, Implementation, and Patient Performance"

Bard Ermentrout- "Spatio-temporal Computations in Biological Neural Nets"

Jessica Hodgins- "Animation of Human Motion"

Andrew Lo- "How Anomalous Are Anomalies in Financial Time Series?"

Anthony Movshon- "Deconstructing Synchrony"

Workshops-

Learning with Support Vectors: Theory and Applications • MCMC Methods for Machine Learning • Using Unlabeled Data for Supervised

Learning • Complexity and Neural Computation: The Average and the Worst Case • Advanced Mean Field Methods • Overcomplete Representations and

Nonlinear Approaches to ICA • Geometric Methods in Learning • Statistical Learning in High Dimensions • Learning Relational Data Representation

• Visual Selection Mechanisms • Adaptive Computational Models and Short Time Perceptual Learning • Neural Mechanisms of Music Processing • Neuronal

Response Variability- Curse or Blessing! • Computational Brain Imaging: Beyond Modern Phrenology • Spike Timing and Synaptic Plasticity • Neural

Networks and Human Movement Simulation: New Frontiers

Organizing Committee-

General Chair- Sara Solla • Program Chair- Todd Leen • Workshop Chairs- Sue Becker & Rich Caruana • Tutorials Chair- Joachim Buhmann • Publicity Chair- Lee

Giles • Publications Chair- Klaus Müller • Treasurer- Bartlett Mel • Local Arrangements- Arun Jagota • Webmaster- Doug Baker • Government Liaison- Gary

Blasdel • Contracts- Steve Hanson & Gerry Tesaro • Program Committee- Leon Bottou, Gary Cottrell, Zoubin Ghahramani, Tommi Jaakkola, John Lazzaro, Todd

Leen (Chair), Barak Pearlmutter, Alexandre Pouget, David Saad, Lawrence Saul, Xubo Song, Sebastian Thrun, Benjamin Van Roy, Paul Viola • Poster Art: Brian Orr

• WEBSITE: <http://www.cs.cmu.edu/Web/Groups/NIPS> • EMAIL: nipsinfo@salk.edu

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