NIPS

2005

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INVITED SPEAKERS

György Buzsáki, Rutgers University
Oscillations Organize Cell Assemblies
Urs Hölzle, Google
Petabyte Processing Made Easy
Jim Hudspeth, Rockefeller University
Making an Effort to Listen: Mechanical Amplification by Myosin Molecules and Ion Channels in Hair Cells of the Inner Ear
Christos Papadimitriou, University of California, Berkeley
Games, Algorithms, and Networks
Alessandro Vespignani, Indiana University
Evolution and Structure of the Internet

TUTORIAL PRESENTERS

Michael Jordan, University of California, Berkeley
Nonparametric Bayesian Methods: Dirichlet Processes, Chinese Restaurant Processes and All That
Nancy Kanwisher and Frank Tong, Massachusetts Institute of Technology; Vanderbilt University
Reading Brains: fMRI Studies of Human Vision
Bruno Olshausen, University of California, Davis; Redwood Neuroscience Institute
Natural Scene Statistics and Biological Vision: From Pixels to Percepts
Stuart Russell and Brian Milch, University of California, Berkeley
First-Order Probabilistic Languages: Into the Unknown
Lawrence Saul, University of Pennsylvania
Spectral Methods for Dimensionality Reduction
Satinder Singh, University of Michigan
Reinforcement Learning in Artificial Intelligence: Learning, Planning and Knowledge Representation

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Partha Niyogi, University of Chicago
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Yoram Singer, Google and Hebrew University of Jerusalem
Fritz Sommer, Redwood Neuroscience Institute and University of California, Berkeley
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Neural Information Processing Systems

December 5–10, 2005 Vancouver & Whistler, BC, Canada
Tutorials, December 5 *Conference,* December 5–8 *Workshops,* December 9–10