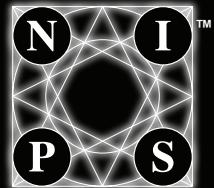




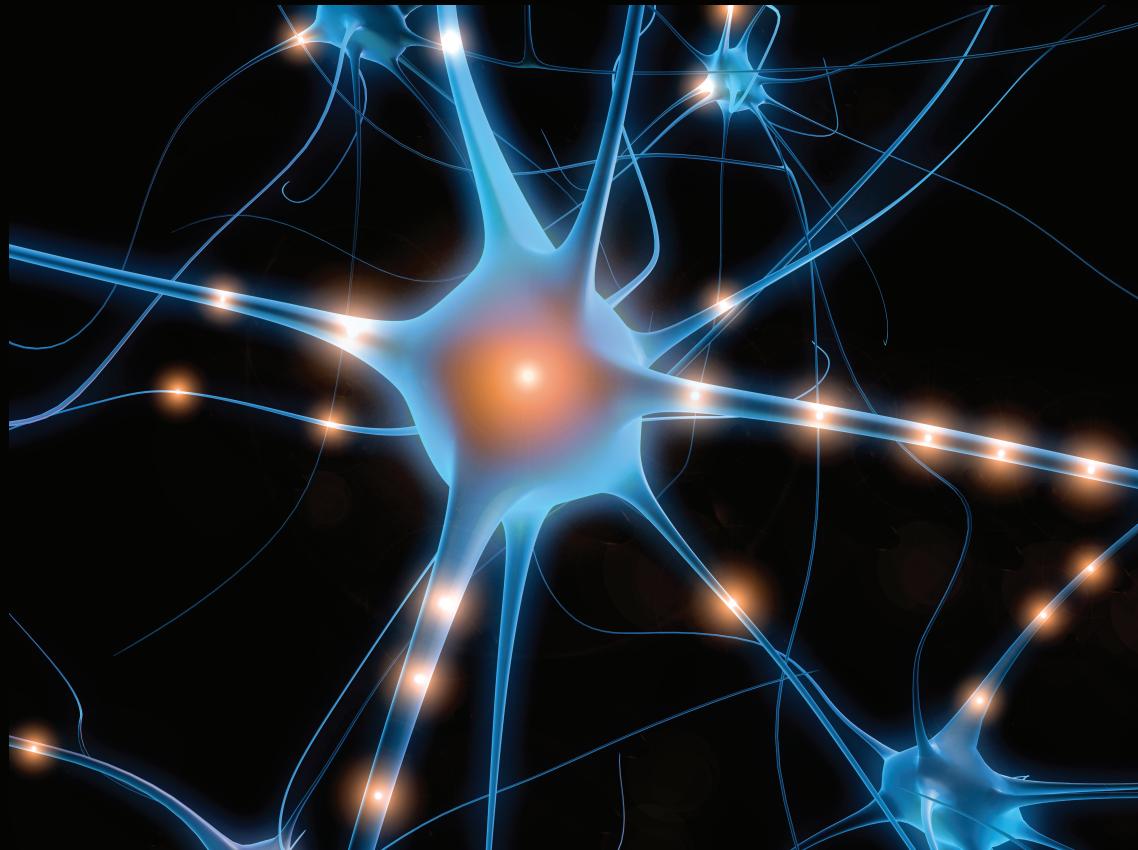
NIPS™ 2009



Neural Information Processing Systems

Vancouver and Whistler, British Columbia, Canada

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Tutorials: December 7, Conference Sessions: December 7 - 9, Workshops: December 11 - 12

Invited Speakers

Geoffrey E Hinton, University of Toronto
Deep Learning with Multiplicative Interactions

Karl Deisseroth, Stanford
Optogenetics: Development and Application

Mitra Hartmann, Northwestern University
The Rat Vibrissal Array as a Model Sensorimotor System

Persi Diaconis, Stanford
Bayesian Analysis of Markov Chains

Yair Weiss, Hebrew University of Jerusalem
Learning and Inference in Low-Level Vision

Sergio Verdú, Princeton
Relative Entropy

Tutorial Presenters

Francis Bach, INRIA and Ecole Normale Supérieure
Sparse Methods for Machine Learning: Theory and Algorithms

Arnaud Doucet + Nando de Freitas, U British Columbia
Sequential Monte-Carlo Methods

Per-Gunnar Martinsson, U. Colorado at Boulder
Random Methods for Very Large-Scale Linear Algebra

Antonio Torralba, MIT
Object Recognition and Scene Understanding

Jason Weston + Ronan Collobert, NEC Labs - America
Deep Learning in Natural Language Processing

Surprise Speaker on a Mystery Topic

2009 Program Committee

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