NIPS 2011

GRANADA • SPAIN

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25 YEARS NIPS
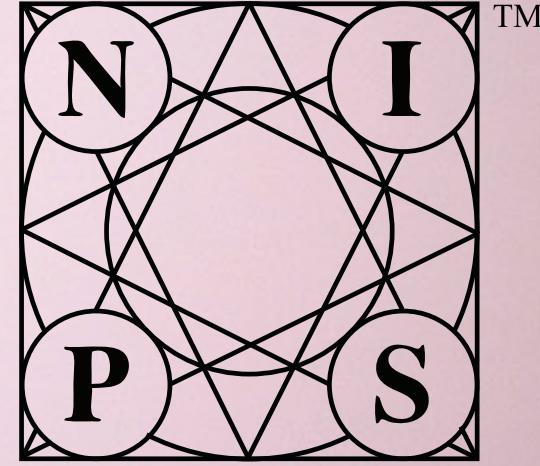
NIPS™
Neural Information
Processing Systems

INVITED SPEAKERS

Bernhard Schölkopf (Max Planck Institute for Intelligent Systems, Tübingen)
From Kernels to Causal Inference

Anna Gilbert (University of Michigan)
Sparsity: Algorithms, Approximations, and Analysis

Eörs Szathmáry (The Parmenides Foundation, Munich)
The Neuronal Replicator Hypothesis: Novel Mechanisms for Information Transfer and Search in the Brain

Bernard Chazelle (Princeton University)
Natural Algorithms

Richard Sutton (University of Alberta)
Learning about Sensorimotor Data

Gilles Laurent (Max Planck Institute for Brain Research)
Diversity in an Olfactory Network

TUTORIAL SPEAKERS

Jonathan W Pillow (University of Texas at Austin)
Flexible, Multivariate Point Process Models for Unlocking the Neural Code

Tommi Jaakkola (Massachusetts Institute of Technology)
Amir Globerson (Hebrew University)
Linear Programming Relaxations for Graphical Models

Naftali Tishby (The Hebrew University Jerusalem)
Information Theory in Learning and Control

Michael Collins (Columbia University)
Alexander Rush (Massachusetts Institute of Technology)
Lagrangian Relaxation Algorithms for Inference in Natural Language Processing

Alexander J Smola (Yahoo! Research and Australian National University)
Amr Ahmed (Carnegie Mellon University)
Graphical Models for the Internet

Yee Whye Teh (Gatsby Computational Neuroscience Unit/Univ. College London)
Peter Orbanz (University of Cambridge)
Modern Bayesian Nonparametrics

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Workshop Chairs: Fernando Perez-Cruz (University Carlos III in Madrid, Spain), Jeff Bilmes (University of Washington)
Demonstration Chair: Samy Bengio (Google Research)   **Program Manager:** David Hall (UC Berkeley)
Publications and Electronic Proceedings Chair: Killian Weinberger (Washington University)

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