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Poster design and illustration by Jamie Simon, Salk Institute

Invited Speakers

- John Donoghue**, *Brown University*
Mind over Movement: Developing Neurotechnologies to Restore Lost Function
- Gerd Gigerenzer**, *Max Planck Institute for Human Development*
Fast and Frugal Heuristics: The Adaptive Toolbox
- Nati Linial**, *Hebrew University of Jerusalem*
Expanders, Eigenvalues and All That
- Bernard Palsson**, *University of California, San Diego*
Systems Biology: Bringing Genomes to Life
- Shimon Ullman**, *Weizmann Institute of Science*
Classification, Recognition and Segmentation Using Fragments Hierarchy

Tutorial Speakers

- William Bialek**, *Princeton University*
Optimization Principles in Neural Coding and Computation
- Shahar Mendelson**, *Australian National University*
A Geometric Approach to Statistical Learning Theory
- Radford Neal**, *University of Toronto*
Bayesian Methods for Machine Learning
- David Parkes**, *Harvard University*
Computational Mechanism Design and Auctions
- Richard Szeliski**, *Microsoft Research*
Acquiring Detailed 3D Models from Images and Video
- Daniel Wolpert**, *University College London*
Probabilistic Computations in Human Sensorimotor Control

Program Committee

Program Chair: Yair Weiss, *Hebrew University of Jerusalem* **Members:** Yoshua Bengio, *University of Montreal*; Jeff Bilmes, *University of Washington*; Nello Cristianini, *University of California, Davis*; Trevor Darrell, *Massachusetts Institute of Technology*; Geoff Gordon, *Carnegie Mellon University*; Daphne Koller, *Stanford University*; John Lafferty, *Carnegie Mellon University*; Shih-Chii Liu, *Swiss Federal Institute of Technology Zurich*; Ron Meir, *Israel Institute of Technology*; Maneesh Sahani, *Gatsby Computational Neuroscience Unit, University College London*; Bernhard Schölkopf, *Max Planck Institute for Biological Cybernetics*; Matthias Seeger, *University of California, Berkeley*; Richard Shiffrin, *Indiana University*; Eero Simoncelli, *New York University*; Martin Wainwright, *University of California, Berkeley*; Daphna Weinshall, *Hebrew University of Jerusalem*

Organizing Committee

General Chair: Lawrence Saul, *University of Pennsylvania*
Program Chair: Yair Weiss, *Hebrew University of Jerusalem*
Tutorials Chair: Richard Zemel, *University of Toronto*
Publicity Chair: John Platt, *Microsoft Research*

Demonstration Co-Chairs: Tobin Delbruck, *University of Zurich, ETH Zurich* and Tim Horiuchi, *University of Maryland*
Workshop Co-Chairs: Satinder Singh Baveja, *University of Michigan* and Daniel Lee, *University of Pennsylvania*
Publications Chair: Léon Bottou, *NEC Laboratories of America*
Online Proceedings Chair: Andrew McCallum, *University of Massachusetts Amherst*
Volunteers Director: Sam Roweis, *University of Toronto*

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