

Tutorials: November 27, Denver, Colorado
Conference: November 28-30, Denver, Colorado
Workshops: December 1-2, Breckenridge, Colorado

Tutorials:

- Tom Cover · Information Theory
- Andrew Gelman · Markov chain Monte Carlo
- Stephen Grossberg · Linking brain to behavior: From visual cortex to global brain organization
- Tommi Jaakkola · Variational methods: theory and applications
- Harold Pashler · Attention
- Richard Zemel & Bruce McNaughton · Population Codes: Theory and practice

Invited Talks:

- Hervé Bourlard · Avoiding tunnel vision in speech recognition research
- Michael Dickinson · The neural control of aerodynamics: How fruit flies fly the straight and narrow
- Robert Full · Neuromechanical integration: From galloping ghosts to gripping geckos
- Hynek Hermansky · Knowledge-based system or system-derived knowledge
- Lionel Tarassenko · Applications of neural networks: from microwave ovens to jet engines and beyond
- Seth Teller · Automated model capture in extended urban environments

Workshops:

- Affective Computing • Neuroprosthetics and Neurorobotics • Computation in the Cortical Column • Computational Molecular Biology
- Computational Neuropsychology • Cross-Validation, Bootstrap, and Model Selection • Data Fusion • Data Mining on the Web
- Functional Neuroimaging • Geometric Methods in Learning Theory • Statistical Structure in Spike Trains • Policy or Value-Function?
- New Perspectives in Kernel-based Learning Methods • Quantum Neural Computing • Structure of Visual Objects
- Real-Time Modeling for Complex Learning Tasks • Software for Bayesian Analysis • Using Unlabeled Data for Supervised Learning

Organizing Committee:

- General Chair: Todd Leen • Program Chair: Tom Dietterich • Workshops: Rich Caruana, Virginia de Sa • Tutorials: Mike Mozer
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NEURAL INFORMATION PROCESSING SYSTEMS: NATURAL AND SYNTHETIC 14