



TUTORIALS

Yoshua Bengio (University of Montreal)
Geoffrey E Hinton (University of Toronto & Google)
Yann LeCun (New York University & Facebook)
Deep Learning

Bill Dally (NVIDIA Research & Stanford University)
High-Performance Hardware for Machine Learning

Jeff Dean (Google Research)
Large-Scale Distributed Systems for Training Neural Networks

Iain Murray (University of Edinburgh)
Monte Carlo Inference Methods

Rich S Sutton (University of Alberta)
Introduction to Reinforcement Learning with Function Approximation

Frank Wood (University of Oxford)
Probabilistic Programming

INVITED SPEAKERS

Zoubin Ghahramani (University of Cambridge)
Probabilistic Machine Learning: Foundations and Frontiers

Mitsuo Kawato (ATR - Advanced Telecom. Research Inst.)
Diagnosis and Therapy of Psychiatric Disorders Based on Brain Dynamics

Asuman Ozdaglar (Massachusetts Institute of Technology)
Incremental Methods for Additive Cost Convex Optimization

Haim Sompolsky (Hebrew University & Harvard University)
Computational Principles for Deep Neuronal Architectures

Robert Tibshirani (Stanford University)
Post-selection Inference for Forward Stepwise Regression, Lasso and other Adaptive Statistical procedures

Vladimir Vapnik (Columbia University & Facebook AI Research, New York)
Learning with Intelligent Teacher: Similarity Control and Knowledge Transfer

SYMPOSIA

Deep Learning Symposium
 Yoshua Bengio (Université de Montréal), Marc'Aurelio Ranzato (Facebook), Honglak Lee (University of Michigan), Max Welling (University of Amsterdam)

Algorithms Among Us: The Societal Impacts of Machine Learning
 Michael A Osborne (University of Oxford), Adrian Weller (U. of Cambridge), Murray Shanahan (Imperial College London)

Brains, Minds and Machines
 Gabriel Kreiman (Harvard Medical School), Tomaso A Poggio (MIT), Maximilian Nickel (MIT)

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