Statistical Machine Learning for High Dimensional Data
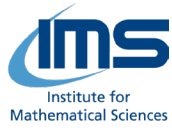## (13–31 May 2024)

List of Speakers and Talk Titles

Name & Affiliation	Talk Title
Genevera Allen Rice University	Fast and Powerful Minipatch Ensemble Learning for Discovery and Inference
Andrew Barron Yale University	Log Concave Coupling for Sampling from Neural Net Posterior Distributions
Thomas B. Berrett University of Warwick	Nonparametric test of Missing Completely At Random
Tony Cai University of Pennsylvania	Federated Learning for Nonparametric Function Estimation: Framework and Optimality
Yuejie Chi Carnegie Mellon University	Generative Modeling and Generative Prior
Jianqing Fan Princeton University	*Distinguished Lecture Series in Statistics* Inferences on Mixing Probabilities and Ranking in Mixed-Membership Models
Adel Javanmard University of Southern California	Learning from Aggregate Responses
Olga Klopp ESSEC Business School	Denoising over network with application to partially observed epidemics
Samory Kpotufe Columbia University	Understanding the Benefits of Related Data
Zehua Lai The University of Texas at Austin	Central limit theorems for stochastic optimization
Cheng Li National University of Singapore	Tutorial Scalable Bayesian Gaussian Process Modeling of Massive Spatiotemporal Data
Hongzhe Li University of Pennsylvania	Transfer learning and applications in genomics
Xiang Li University of Pennsylvania	A Statistical Framework of Watermarks for Large Language Models: Pivot, Detection Efficiency and Optimal Rules

Name & Affiliation	Talk Title
Wei-Yin Loh University of Wisconsin-Madison	<u>Tutorial</u> Classification and Regression Tree Methods
Jonathan Scarlett National University of Singapore	Recent Developments in High-Dimensional Estimation with Generative Priors
Ali Shojaie University of Washington	Estimation and Inference for Networks of Multi-Experiment Point Processes
Pragya Sur Harvard University	Spectrum-Aware Debiasing: High-Dimensional Inference beyond sub-Gaussian Covariates with Applications to Principal Components Regression
Yanshuo Tan National University of Singapore	Generalization performance gaps between greedy and optimal regression trees in high dimensions
Miaoyan Wang University of Wisconsin-Madison	Beyond Matrices: Nonparametric Tensor Estimation and Application
Wanjie Wang National University of Singapore	<u>Tutorial</u> Feature Selection in High-dimensional Data
Dong Xia Hong Kong University of Science and Technology	Online Policy Learning and Inference by Matrix Completion
Yao Xie Georgia Institute of Technology	Generative models for high-dimensional statistical inference
Fanny Yang ETH Zurich	Surprising phenomena of interpolating solutions in high dimensions
Yannis Yatracos Cyprus University of Technology	Statistical inference for Black-Box parameters generating data, and the Laplacian Fiducial distribution
Yi Yu University of Warwick	Rate Optimality and Phase Transition for User-Level Local Differential Privacy
Ming Yuan Columbia University	Tensor Methods in High Dimensional Data Analysis: Opportunities and Challenges
Renbo Zhao University of Iowa, USA	Frank-Wolfe-Type Methods for Minimizing Log-Homogenous Self-Concordant Barriers
Anru Zhang Duke University	High-order Singular Value Decomposition in Tensor Analysis
Emma Zhang Emory University	Statistical Inference on Network Data: New Models and Algorithms

This list is accurate as of 21/May/2024 and is subjected to changes.