

Monday, April 1	Dimension reduction in physical and data sciences
8:30 – 9:30	Breakfast
9:30 – 10:15	Eric Vanden-Eijnden , (New York University) Global convergence in neural network optimization
10:30 – 11:15	Jiequn Han , (Princeton University) A Mean-Field Optimal Control Formulation of Deep Learning
11:30 – 12:00	Discussion
12:00 – 2:00	<i>Lunch</i>
2:00 – 2:45	Radu Balan , (University of Maryland) Permutation Invariance and Combinatorial Optimizations with Graph Deep Learning
3:00 – 3:45	Luc Rey-Bellet , (University of Massachusetts, Amherst) Performance guarantees for hypo-coercive MCMC samplers
4:00 – 5:00	Discussion
6:30	<i>Dinner at Cucciolo Osteria</i>

Tuesday, April 2	Dimension reduction in physical and data sciences
8:30 – 9:30	Breakfast
9:30 – 10:15	Massimo Fornasier , (Technische Universität München) Training reliably shallow neural nets from fewest samples
10:30 – 11:15	Mauro Maggioni , (Johns Hopkins University) Learning Interaction kernels in agent-based systems
11:30 – 12:00	Discussion
12:00 – 2:00	<i>Lunch</i>
2:00 – 2:45	Dave Levermore , (University of Maryland) Reduction and Inflation of Linear Models with an Application to Moment Closures of the Linearized Boltzmann Equation
3:00 – 3:45	Xiantao Li , (Penn State University) The Mori-Zwanzig reduction methods with applications to transport problems
4:00 – 5:00	Discussion
6:30	<i>Dinner at Watts Grocery</i>

Wednesday, April 3	Dimension reduction in physical and data sciences
8:30 – 9:00	Breakfast
9:00 – 9:45	Sayan Mukherjee , (Duke University) Dimension Reduction in Dynamical Systems using Factor Models
10:00 – 10:45	Fei Lu , (Johns Hopkins University) Inference based model reduction for stochastic Burgers equation
11:00 – 12:00	Discussion
12:00 – 2:00	<i>Lunch</i>
	Free afternoon for collaborations