



北京大学数学科学学院
School of Mathematical Sciences
Peking University



北京国际数学研究中心
BEIJING INTERNATIONAL CENTER FOR
MATHEMATICAL RESEARCH

Workshop Schedule

Time: December 21-22, 2019

Venue: Lecture Hall, Jiayibing Building, Jingchunyuan 82, BICMR, Peking University

Dec. 20, 2019

15:00-17:00	Registration (Beijing Friendship Hotel)
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Dec. 21, 2019

Time	Speakers	Titles /Activities
9:00-9:15	Opening Remark	
Session 1	Chair: Tiejun Li	
9:15-9:55	Xiaochuan Tian	Analysis and computation of nonlocal models
10:00-10:40	Yunan Yang	Inverse Data Matching in Weak Norms
10:40-11:10	Group Photo & Coffee Break	
Session 2	Chair: Ruo Li	
11:10-11:50	Zecheng Gan	Self-assembly of charged colloidal spheres: fast algorithms and computer simulations
11:50-14:00	Lunch (Jiayibing Building)	
Session 3	Chair: Xue Cheng	
14:00-14:40	Peng Luo	An FBSDE approach to market impact games with stochastic parameters
14:45-15:25	Yinan Li	Bipartite perfect matching, (non)commutative rank, and their applications in entanglement transformation
15:25-15:45	Coffee Break	



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Session 4 Chair: Bican Xia		
15:45-16:25	Junyu Zhang	Robust stochastic optimization with ProxBoost
16:30-17:10	Guangdong Bai	Scrutinizing Security Software and Protocols with Formal Methods
18:00	Dinner (Huajiayiyuan)	

Dec. 22, 2019

Session 5 Chair: Lei Zhang		
Time	Speakers	Titles /Activities
9:00-9:40	Sui Tang	Learning interaction kernels in agent-based systems
9:45-10:25	Yulong Lu	Understanding and Accelerating Statistical Sampling via PDEs and Deep Learning
10:25-10:45	Coffee Break	
Session 6 Chair: Bin Dong		
10:45-11:25	Wuchen Li	Accelerated Information Gradient flow
11:30-12:10	Tingran Gao	Gaussian Process Landmarking on Manifolds
12:10-14:00	Lunch (Shao Yuan Dining Hall)	
Session 7		
14:00-16:00	Meeting with school dean (Room 1560, Sciences Building No. 1)	