

CAS AMSS-PolyU Joint Laboratory of Applied Mathematics Meeting 2019

Date: 22 and 23 August 2019 (Thursday and Friday)
 Venue: Lecture theatre (Room 201) PolyU Shenzhen Base, No.18 Yuexing Road, Hi-tech Industrial Park, Nanshan District, Shenzhen, PRC
 深圳市南山區高新技術產業園南區粵興一道 18 號香港理工大學產學研基地
 AMSS and PolyU participants will stay at 深圳科創酒店 (Technology Hotel Shenzhen) 地址: 深圳南山區南新路 1024 號陽光科創中心

Time	Activity
(Day 1) 22 August 2019, Thursday	
10:00 a.m. – 10:30 a.m.	Tea Reception (PolyU Shenzhen Base) 2/F Lobby (outside Room 201)
10:30 a.m. – 10:40 a.m.	Opening Speech – Yuan Yaxiang (AMSS) and Chen Xiaojun (PolyU)
10:40 a.m. – 11:10 a.m.	Zhou Aihui (AMSS) Mathematics Based Electronic Structure Calculations
11:10 a.m. – 11:40 a.m.	Sun Defeng (PolyU) A Majorized Proximal Point Dual Newton Algorithm for Nonconvex Statistical Optimization Problems
12:00 noon – 1:40 p.m.	Lunch at 錢塘潮 (Qian Tang Chao) 地址: 深圳市南山區高新南環路 63 號 京武浪琴半島商鋪 Address: Jingwu Langqin Peninsula, No. 63, Gaoxin South Ring Road, Nanshan District, Shenzhen)
	Talk – speakers from GBA Industries
2:00 p.m. – 3:30 p.m.	徐爱东(Huawei) 自然语言处理在合同管理中的应用实践 单瀛 (Tencent) Research at Tencent's Platform and Content Group 谢晓宾 (天源迪科) 天源迪科大数据平台与行业应用场景
3:30 p.m. – 4:00 p.m.	Group photo and visit PolyU Shenzhen Base
4:00 p.m. – 4:30 p.m.	Tea break and Poster Presentation in CAS AMSS-PolyU JLab Office SZR 601
4:30 p.m. – 5:30 p.m.	AMSS-PolyU-GBA Institutes/Industry Meeting on future plan Room 209 All participants are welcome Cedric Yiu (PolyU) Research Collaboration with Industry in Department of Applied Mathematics, PolyU

6:00 p.m.	Dinner at 深圳科創酒店中餐廳 (Technology Hotel Shenzhen) 地址: 深圳南山區南新路 1024 號陽光科創中心 Address: No.1024 Nanxin Road, Nanshan District, Shenzhen, China
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(Day 2) 23 August 2019, Friday	
9:00 a.m. – 9:30 a.m.	Cao Liqun (AMSS) Mathematical Modeling and Algorithms for the Transport Problems in Semiconductor Materials and Devices
9:30 a.m. – 10:00 a.m.	Huang Jian (PolyU) Learning a High-dimensional Distribution Based on Deep Sampling
10:00 a.m. – 10:30 a.m.	Tea Break 2/F Lobby (outside Room 201)
10:30 a.m. – 11:00 a.m.	Liu Yafeng (AMSS) Semidefinite Relaxations for MIMO Detection: Tightness, Tightness, and Beyond
11:00 a.m. – 11:30 a.m.	Alex Wong (PolyU) Variable Selection for Multiple Types of High-Dimensional Features with Missing Data
11:45 a.m. – 1:30 p.m.	Lunch at 錢塘潮 (Qian Tang Chao) 地址: 深圳市南山區高新南環路 63 號 京武浪琴半島商鋪 Address: Jingwu Langqin Peninsula, No. 63, Gaoxin South Ring Road, Nanshan District, Shenzhen)
Talk – speakers from GBA universities	
1:30 p.m. – 2:00 p.m.	Zhang Kai (Shenzhen University) Fast Reconstructing Volatility Surface From American Option Prices
2:00 p.m. – 2:30 p.m.	Milzarek Andre (Chinese University of Hong Kong, Shenzhen) A Stochastic Quasi-Newton Extragradient Method for Nonsmooth Nonconvex Optimization
2:30 p.m. – 3:00 p.m.	Liang Hui (Harbin Institute of Technology, Shenzhen) On the Convergence of Collocation Solutions in Continuous Piecewise Polynomial Spaces for Volterra Integral Equations
3:00 p.m. – 4:00 p.m.	Tea break and Poster presentation in CAS AMSS-PolyU JLab Office SZR 601
4:00 p.m.	Closing speech