

**CONFERENCE AGENDA**

Conference Venue: E101, Administration Building (AB-E101)

**Day 1: July 31**

Time	Schedule	Chair	Title	Speaker
8:00 - 8:50	Registration (1F, Shaw Conference Center)			
8:50 - 9:00	Opening Speech (Yin Zhang) and Welcome Speech (Tom Luo) (AB-E101)			
9:00 - 10:30	Tutorial Session 1	Radu Ioan Bot	<b>Building (Stochastic, Distributed, Learned) First-Order Methods from Monotone Operators</b>	<b>Wotao Yin</b> UCLA
10:30 - 11:00	Coffee Break (1F, Shaw Conference Center)			
11:00 - 12:30	Tutorial Session 2	Hongyuan Zha	<b>Introduction to Mathematics of Deep Learning</b>	<b>Ruoyu Sun</b> UIUC
12:30 - 14:00	Lunch (Pandora Food Court)			
14:00 - 15:20	Session 1 ADMM: History and Recent Developments	Yin Zhang	<b>On Alternating Direction Methods of Multipliers: A Historical Perspective</b>	<b>Roland Growinski</b> University of Houston
			<b>ADMM: Recent Developments</b>	<b>Caihua Chen</b> Nanjing University
15:20 - 15:50	Coffee Break (1F, Shaw Conference Center)			
15:50 - 17:10	Session 2 Machine Learning and Optimization	Shuzhong Zhang	<b>Introduction to Meta-Learning and Generative Models with Applications</b>	<b>Hongyuan Zha</b> CUHK-Shenzhen
			<b>Globalized Semismooth Newton Methods for Nonsmooth Nonconvex Optimization and Generalized Variational Inequality Problems</b>	<b>Andre Milzarek</b> CUHK-Shenzhen
17:40 - 19:30	Reception (The Coli Hotel, Bus Pick-up from B1 Floor, Shaw International Conference Center at 17:30)			

**CONFERENCE AGENDA**

**Day 2: August 1**

Time	Schedule	Chair	Title	Speaker
9:00 - 10:20	Session 3	Andre Milzarek	On the Complexity of Sequentially Lifting Cover Inequalities for the Knapsack Polytope	Yuhong Dai CAS
			Economics of Mobile Crowd Sensing	Jianwei Huang CUHK-Shenzhen
10:20 - 10:50	Coffee Break (1F, Shaw Conference Center)			
10:50 - 12:10	Session 4	Minyi Hong	A Primal-dual Dynamical Approach to Structured Convex Minimization Problems	Radu Ioan Bot University of Vienna
			An Optimal High-Order Tensor Method for Convex Optimization	Bo Jiang Shanghai University of Finance and Economics
12:10 - 14:00	Lunch (Pandora Food Court)			
14:00 - 15:20	Session 5	Ruoyu Sun	Completely Positive Binary Tensors	Jinyan Fan Shanghai Jiao Tong University
			Recent Advances in Non-Convex Distributed Optimization and Learning	Minyi Hong University of Minnesota
15:20 - 15:50	Coffee Break (1F, Shaw Conference Center)			
16:00 - 17:20	Session 6	Jinyan Fan	Newton-Type Stochastic Optimization Algorithms For Machine Learning	Zaiwen Wen Peking University
			A Class of Smooth Exact Penalty Function Methods for Optimization Problems with Orthogonality Constraints	Xin Liu CAS
18:00 - 19:30	Banquet (Crowne Plaza Hotel, Bus Pick-up from B1 Floor, Shaw International Conference Center at 17:30)			

**Day 3: August 2**

Time	Schedule	Chair	Title	Speaker
9:00 - 10:20	Session 7	Zaiwen Wen	First-order Methods for Convex and Nonconvex Functional Constrained Problems	Yangyang Xu Rensselaer Polytechnic Institute
			Optimal Nonergodic Sublinear Convergence Rate of Proximal Point Algorithm for Maximal Monotone Inclusion Problems	Junfeng Yang Nanjing University
10:20 - 10:50	Coffee Break (1F, Shaw Conference Center)			
10:50 - 12:10	Session 8	Yangyang Xu	Refinements of Nash Equilibrium and Their Computation	Chuangyin Dang City University of Hong Kong
			Higher-Order Moment Portfolio Optimization via Difference-of-Convex Programming and Sums-of-Squares	Yishuai Niu Shanghai Jiao Tong University

\*If you have any restriction on dietary, please inform our staff.

\*If you need the lunch coupon for Aug 2, please come to our Reception Desk.