

MOPTA 2024 Session Overview

Wednesday, August 14, 2024		RB 184	RB 85	RB 91	RB 241	RB 271
8:00-8:40am	Registration and Breakfast (RB 184)					
8:40-9:00am	Opening Session (RB 184)					
9:00-10:00am	Plenary Talk #1/Spencer C. Schantz Lecture: Session Chair:	Jose H. Blanchet Daniel P. Robinson				
10:00-10:15am	Coffee Break					
10:15-11:30am	Parallel Sessions Wed.1: Session Chairs:	Tutorial: Introduction to Quantum Computing for Non-Experts Carleton Coffrin	Stochastic and Deterministic First and Second Order Methods for Nonlinear Optimization Jennifer Erway	Advances in Linear and Conic Optimization Pouya Sampourmahani	Bilevel Stochastic Methods for Optimization and Learning I Tommaso Giovannelli	Advances in Discrete Optimization: Theory and Application Yakun Wang
11:30-11:45am	Coffee Break					
11:45am-12:45pm	Plenary Talk #2: Session Chair:	Dorit S. Hochbaum Tommaso Giovannelli				
12:45-1:45pm	Lunch Break (RB 291-293)					
1:45-3:00pm	Parallel Sessions Wed.2: Session Chairs:		Recent Advances in Large-Scale Distributed Optimization I Xin Jiang	Quantum Computing and Optimization Part 1 M. Mohammadisiahroudi, Z. Wu, A. Harkness	Bilevel Stochastic Methods for Optimization and Learning II Tommaso Giovannelli	Recent Advances in Optimization Under Uncertainty: Theory and Applications Man Yiu Tsang and Karmel S. Shehadeh
3:00-3:15pm	Coffee Break					
3:15-4:15pm	Plenary Talk #3: Session Chair:	Carleton Coffrin Xiu Yang				
4:15-4:30pm	Coffee Break					
4:30-5:45pm	Parallel Sessions Wed.3: Session Chairs:		Recent Advances in Large-Scale Distributed Optimization II Xin Jiang	Quantum Computing and Optimization Part 2 M. Mohammadisiahroudi, Z. Wu, A. Harkness	Multi-Agent Reinforcement Learning in Dynamic Games Soham Das	Mixed-Integer Optimization and Applications Federico Battista
5:45-6:15pm	Break					
6:15-8:15pm	Student Social (Packer House)					
Thursday, August 15, 2024		RB 184	RB 85	RB 91	RB 241	RB 271
8:00-8:30am	Registration and Breakfast (RB 184)					
8:30-9:30am	Plenary Talk #4: Session Chair:	Miguel F. Anjos Tamás Terlaky				
9:30-9:45am	Coffee Break					
9:45-11:00am	Parallel Sessions Thu.1: Session Chairs:	AIMMS-MOPTA Competition Xiu Yang	Computational and Theoretical Methods for High-dimensional Optimization Problems I Akwm Onwunta	Quantum Computing and Optimization Part 3 M. Mohammadisiahroudi, Z. Wu, A. Harkness	Theoretical and Algorithmic Developments in Federated Learning Xiang Li	
11:00-11:15am	Coffee Break					
11:15am-12:15pm	Plenary Talk #5: Session Chair:	Madeleine Udell Frank E. Curtis				
12:15-1:15pm	Lunch Break (RB 291-293)					
1:15-2:30pm	Parallel Sessions Thu.2: Session Chairs:		Computational and Theoretical Methods for High-dimensional Optimization Problems II Akwm Onwunta	Quantum Computing and Optimization Part 4 M. Mohammadisiahroudi, Z. Wu, A. Harkness	Recent Advances in First-Order Methods for Convex Optimization Javier Pena	Applying Supply Chain Optimization Methodology to Practical Problems Brendan Ruskey
2:30-2:45pm	Coffee Break					
2:45-3:45pm	Plenary Talk #6: Session Chair:	Harbir Antil Akwm Onwunta				
3:45-4:00pm	Coffee Break					
4:00-5:15pm	Parallel Sessions Thu.3: Session Chairs:		Computational and Theoretical Methods for High-dimensional Optimization Problems III Akwm Onwunta	Quantum Computing and Optimization Part 5 M. Mohammadisiahroudi, Z. Wu, A. Harkness	Large-Scale Nonlinear Optimization Algorithms Qi Wang	Advances in Optimization of Dynamical Systems and Surrogate Models Saif Kazi
5:15-5:45pm	Break					
5:45-6:45pm	Poster Session/Reception (Wood Dining Room)					
6:45-8:40pm	Conference Banquet (Wood Dining Room)					
Friday, August 16, 2024		RB 184	RB 85	RB 91	RB 241	RB 271
8:00-8:30am	Registration and Breakfast (RB 184)					
8:30-9:45am	Parallel Sessions Fri.1: Session Chairs:		Advanced Algorithms for Clustering, DC Programming, and Biclustering Tuyen Tran	Advances in Quantum Computing and Tensor Characterizations Parikshit Pareek	Advanced Techniques for Learning, Topology Optimization, and Appointment Scheduling Secil Sozuer	Advanced Methods for Nonmonotone Inclusions, Biophysical Modeling, and Conic Optimization Dimitri Papadimitriou
9:45-10:00am	Coffee Break					
10:00-11:00am	Plenary Talk #7/Schantz ISE-COH-HSE Session Chair:	Pinar Keskinocak Karmel S. Shehadeh				
11:00-11:15pm	MOPTA Closing Session (RB 184)					
11:15-11:30am	Coffee Break					
11:30am-12:00pm	iMOPTA (BI 108)	Miguel Ortega Vazquez				
12:00-12:30pm	iMOPTA (BI 108)	Emanuel Bernabeu				
12:30-1:00pm	iMOPTA (BI 108)	Gavin Hatfield, Alberto Colombo				
1:00-2:00pm	Lunch Break (RB 291-293)					
2:00-2:30pm	iMOPTA (BI 108)	Mike Magent, Robert Gustafson				
2:30-3:00pm	iMOPTA (BI 108)	Dimitri J. Papageorgiou				
3:00-3:30pm	iMOPTA (BI 108)	Pratik Misra, Josh Isom				
3:30-4:00pm	iMOPTA (BI 108) Moderator:	Panel: "Industrial Collaborations with Academia" Alberto Lamadrid				