

Workshop on Theory and Algorithms for Solving Hard Optimization Problems

(Approval No.: TY-2026-C-091)

Conference Schedule

May 17, 2026 (Sunday) Registration

May 18, 2026 (Monday)		
Time	Speaker	Title
9:00-9:40	Defeng Sun	The Aubin Property for Generalized Equations over C^2 -cone Reducible Sets
9:45-10:25	Xudong Li	A New Dual Semismooth Newton Method for Polyhedral Projections
10:25-10:45	Discussion	
10:45-11:25	Yangjing Zhang	Low Rank Convex Clustering for Matrix-valued Observations
Lunch / Break		
Time	Chair	Panel Discussion
14:30-16:30	Houduo Qi Xujin Chen	Optimization Models and Theoretical Analysis
16:30-16:50	Discussion	

May 19, 2026 (Tuesday)		
Time	Speaker	Title
9:00-9:40	Yijia Chen	Algorithms and Complexity through the lens of Homomorphism Counts
9:45-10:25	Zhihao Tang	Online Matching in General Graphs
10:25-10:45	Discussion	
10:45-11:25	Lin Chen	Multidimensional Dense Subset Sum and Integer Programming
11:30-12:10	Yuhao Zhang	The Price of Anarchy for Selfish Load Balancing
Lunch / Break		
Time	Chair	Panel Discussion
14:30-16:30	Kun He Jingwei Liang	Classical Algorithms and New Algorithms
16:30-16:50	Discussion	

May 20, 2026 (Wednesday)		
Time	Speaker	Title
9:00-9:40	Donglei Du	Liftability and Separation for Property Preservation in

		Parametric Optimization
9:45-10:25	Xinyuan Zhao	A GPU Based Halpern Peaceman-Rachford (HPR) Method for Solving Convex Programming
10:25-10:45	Discussion	
10:45-11:25	Chuan Luo	Constraint Sampling and Its Practical Applications
Lunch / Break		
14:30-16:30	Free Discussion	

May 21, 2026 (Thursday)		
Time	Speaker	Title
9:00-9:40	Wenwu Yu	Intelligent Game Theories and Applications
9:45-10:25	Chenglong Bao	Recent Computational Approaches in Cryogenic Electron Microscopy: Towards Formalizing a Data-Driven Cycle
10:25-10:45	Discussion	
10:45-11:25	Zhendong Lei	Solver Challenges and Practices in Industrial Scenarios
Lunch / Break		
Time	Chair	Panel Discussion
14:30-16:30	Wenxing Zhu Feng Chen	Optimization Scenarios and Practical Applications
16:30-16:50	Discussion	

May 22, 2026 (Friday)		
Time	Chair	Panel Discussion
9:00-11:00	Pinyan Lu Shaowei Cai	Future Prospects of Solver Technologies
Lunch / Break		
14:30-16:30	Free Discussion	

May 23, 2026 (Saturday) Departure
