

AAAC 2026 Program – May 23 (Sat)

Time	Session	
	Invited Talk I (Beijing Hall)	
9:00-10:00	Property preservation in parametric optimization Donglei Du (University of New Brunswick)	
10:00-10:30	<i>Coffee Break</i>	
	Session 1: Long Talk I (Beijing Hall)	
10:30-11:00	Enumeration Algorithms for Maximal Matching in Chain Graphs <u>Kanata Maruyama</u> , Naoto Kaneko, Hiroshi Fujiwara and Katsuhisa Ouchi	
11:00-11:30	Research on the Computational Complexity of Walls and Warriors Puzzle <u>Shuai Zhao</u> , Tonan Kamata and Ryuhei Uehara	
11:30-12:00	Approximation Algorithms for Integer Programming with Resource Augmentation Hauke Brinkop, <u>Hua Chen</u> , Lin Chen, Klaus Jansen and Guochuan Zhang	
12:00-13:30	<i>Lunch Break</i>	
	Session 2A: Computational Geometry (Beijing Hall)	Session 2B: Market & Game Theory (Qingdao Hall)
13:30-13:50	Coresets for Farthest Point Problems in Hyperbolic Space <u>Eunku Park</u> and Antoine Vigneron	Pricing with a Hidden Sample <u>Zhihao Tang</u> , Yixin Tao and Shixin Wang
13:50-14:10	Shortcutting the Diameter of Point Sets and Convex Polygons using a Highway Taekang Eom, <u>Jeongwon Moon</u> and Hee-Kap Ahn	Matroid Covering Games: The Core and the Nucleolus <u>Pengfei Liu</u> , Han Xiao and Qizhi Fang
14:10-14:30	Enumeration of Polyabolos Constructible with Tangram and Sei Shonagon Chie no Ita Hao Li, Kazuaki Yamazaki, Tonan Kamata and <u>Ryuhei Uehara</u>	When Does Additional Information Lead to Longer Travel Time in Multi-Origin–Destination Networks? Xujin Chen, Xiaodong Hu, Xinqi Jing and <u>Zhongzheng Tang</u>
14:30-14:50	Subset-Constrained Simplification of Trajectory Streams Siu-Wing Cheng and <u>Xinru Guo</u>	Simple and Robust Quality Disclosure: The Power of Quantile Partition Shipra Agrawal, <u>Yiding Feng</u> and Wei Tang
14:50-15:00	<i>Short Break</i>	
	Session 3A: Fair Allocation (Beijing Hall)	Session 3B: Mechanism Design (Qingdao Hall)
15:00-15:20	Constant Weighted Maximin Share Approximations for Chores <u>Bo Li</u> , Fangxiao Wang and Shiji Xing	Strategyproof Multi-Resource Allocation for Cloud Computing under Divisible and Indivisible Task Models Yunpeng Lou and <u>Junjie Luo</u>
15:20-15:40	Fair and Efficient Completion of Chores: An (Almost) Complete Picture Chenhao Wang, Zekai Wu and <u>Yu Zhou</u>	Bridging Mechanisms for Reducing Eccentricity on the Real Line Jianan Lin, Chenhao Wang and <u>Fenglin Yi</u>

15:40-16:00	Online Fair Allocations with Binary Valuations and Beyond <u>Yuanyuan Wang</u> and Tianze Wei	Strategy-Proof Mechanisms for Interval-Obnoxious Facility Location with Two Endpoints on a Line <u>Ling Gai</u> , Jiachen Yu and Chenhao Wang
16:00-16:30	Coffee Break	
	Session 4A: Graph Theory (Beijing Hall)	Session 4B: Approximation Algorithm (Qingdao Hall)
16:30-16:50	Cluster Vertex Deletion on Chordal Graphs <u>Yixin Cao</u> and Peng Li	Logarithmic Approximations for Fair k-Set Selection Shi Li, Chenyang Xu and <u>Ruilong Zhang</u>
16:50-17:10	Approximate Shortest Journeys in Compact Directed Temporal Graphs <u>Siu-Wing Cheng</u> and Zhimeng Gao	Competitive Non-Clairvoyant KV-Cache Scheduling for LLM Inference Yiding Feng, <u>Zonghan Yang</u> and Yuhao Zhang
17:10-17:30	A Characterization Method for the STSP Based on Frequency K_ts <u>Yong Wang</u> , Ziyang Zhang, Jingxuan Zhou, Wuquan Yang and Jiali Yao	Near-Tight Approximation Algorithms for Bottleneck Multiple Knapsack Problems Lin Chen, <u>Tingwei Hu</u> , Yuchen Mao, Guochuan Zhang, Guangting Chen, Yong Chen, Lili Mei and An Zhang
17:30-17:50	k-Product Lists for (Generalized) Feedback Vertex Sets: A Tool for Designing FPT Algorithms <u>Rin Saito</u> and Yuma Tamura	Improved Approximation Guarantees for the Bin Packing Algorithm MM <u>Hiromu Hashimoto</u> , Hiroshi Fujiwara and Katsuhisa Ouchi
18:00-20:30	Banquet	

AAAC 2026 Program – May 24 (Sun)	
Time	Session
	Invited Talk II (Beijing Hall)
9:00-10:00	The Four Color Theorem: Generalizations and Faster Algorithms Ken-ichi Kawarabayashi (National Institute of Informatics)
10:00-10:30	Coffee Break
	Session 5: Long Talk II (Beijing Hall)
10:30-11:00	Bichromatic Classifications using Strips <u>Jaegun Lee</u> , Chaeyoon Chung and Hee-Kap Ahn
11:00-11:30	Local Search for Clustering in Almost-linear Time Shaofeng Jiang, Yaonan Jin, <u>Jianing Lou</u> and Pinyan Lu
11:30-12:00	Randomized Strategyproof Mechanisms with Best of Both Worlds Fairness and Efficiency <u>Ankang Sun</u> and Bo Chen
12:00-13:30	Lunch