

## AAAC 2026 Program – May 23 (Sat)

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

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

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