

AAAC 2026 Program – May 23 (Sat)

| Time | Session | |
|-------------|--|---|
| | Invited Talk I (Beijing Hall) Session Chair: | |
| 9:00-10:00 | Liftability and Separation for property preservation in parametric optimization Donglei Du (University of New Brunswick) | |
| 10:00-10:30 | Coffee Break | |
| | Session 1: Long Talk I (Beijing Hall) Session Chair: | |
| 10:30-11:00 | Enumeration Algorithms for Maximal Matching in Chain Graphs Kanata Maruyama, Naoto Kaneko, Hiroshi Fujiwara and Katsuhisa Ouchi | |
| 11:00-11:30 | Research on the Computational Complexity of Walls and Warriors Puzzle Shuai Zhao, Tonan Kamata and Ryuhei Uehara | |
| 11:30-12:00 | Approximation Algorithms for Integer Programming with Resource Augmentation Hauke Brinkop, Hua Chen, Lin Chen, Klaus Jansen and Guochuan Zhang | |
| 12:00-13:30 | Lunch Break | |
| | Session 2A: Computational Geometry (Beijing Hall) Session Chair: | Session 2B: Market & Game Theory (Qingdao Hall) Session Chair: |
| 13:30-13:50 | Coresets for Farthest Point Problems in Hyperbolic Space Eunku Park and Antoine Vigneron | Pricing with a Hidden Sample Zhihao Tang, Yixin Tao and Shixin Wang |
| 13:50-14:10 | Shortcutting the Diameter of Point Sets and Convex Polygons using a Highway Taekang Eom, Jeongwon Moon and Hee-Kap Ahn | Matroid Covering Games: The Core and the Nucleolus Pengfei Liu, 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 Ryuhei Uehara | When Does Additional Information Lead to Longer Travel Time in Multi-Origin–Destination Networks? Xujin Chen, Xiaodong Hu, Xinqi Jing and Zhongzheng Tang |
| 14:30-14:50 | Subset-Constrained Simplification of Trajectory Streams Siu-Wing Cheng and Xinru Guo | Simple and Robust Quality Disclosure: The Power of Quantile Partition Shipra Agrawal, Yiding Feng and Wei Tang |
| 14:50-15:00 | Short Break | |
| | Session 3A: Fair Allocation (Beijing Hall) Session Chair: | Session 3B: Mechanism Design (Qingdao Hall) Session Chair: |
| 15:00-15:20 | Constant Weighted Maximin Share Approximations for Chores Bo Li, Fangxiao Wang and Shiji Xing | Strategyproof Multi-Resource Allocation for Cloud Computing under Divisible and Indivisible Task Models Yunpeng Lou and Junjie Luo |
| 15:20-15:40 | Fair and Efficient Completion of Chores: An (Almost) Complete Picture Chenhao Wang, Zekai Wu and Yu Zhou | Bridging Mechanisms for Reducing Eccentricity on the Real Line Jianan Lin, Chenhao Wang and Fenglin Yi |

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

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