

AAAC2024 Preliminary Program

Conference venue: I-site Namba Conference Room, Osaka

May 31

9:30 Registration open

10:00 Opening

10:10—11:30 Session 1

- Takehiro Ito, Naonori Kakimura, Naoyuki Kamiyama, Yusuke Kobayashi and Yoshio Okamoto
Electrical Flows over Spanning Trees on Grids
- Tingwei Hu, Lili Mei, Zhen Wang and Guochuan Zhang
The Price of Fairness for Budget-Feasible EF1 Allocations
- Yijia Chen, Yi Feng, Bundit Laekhanukit and Yanlin Liu
Simple Combinatorial Construction of the $k^{o(1)}$ -Lower Bound for Approximating the Parameterized k -Clique
- Zhiyi Huang
Online Correlated Selection

11:30—13:30

Lunch Break

13:30 -14:30 Session 2: Invited Talk 1

Shuichi Hirahara

Meta-complexity and average-case complexity

14:30—15:00 Coffee break

15:00—16:00 Session 3 (Parallel Session)

Session 3-A: Reconfiguration/Game Theory

- Masaya Sano and Hiroshi Fujiwara
Decomposition of Reconfiguration Graphs of Independent Sets under Token Jumping
- Ryosuke Sato
Liquid Welfare and Revenue Monotonicity of Adaptive Clinching Auctions
- Chensheng Ma
Minimum Power Partial Fair Cover

Session 3-B : Geometry

- Siu-Wing Cheng and Haoqiang Huang
Approximate Nearest Neighbor for Polygonal Curves under Frechet Distance
- Man-Kwun Chiu and Matias Korman
On the Number of Three-Dimensional Consistent Digital Rays
- Fucheng Xie and Wendu Sha
Maximum Irregular Shape Packing Problem via Reinforcement Learning

16:00-16:10 Short break

16:10—17:10 Session 4 (Parallel Session)

Session 4-A: Online Algorithms

- Yasushi Kawase and Tomohiro Nakayoshi
Online Matching with Delays and Size-based Costs
- Pin-Yu Yeh, Tzu-Ching Lin, Ching-Hsuan Huang and Chung-Shou Liao
Approximating with Predictions the k-Canadian Traveller Problem in Graphs
- Ke-Rong Tseng, Ya-Chun Liang, Hung-Yi Lee and Chung-Shou Liao
Algorithms for Fully Online Scheduling with Testing on Multiple Machines

Session 4-B: Graph

- Yuichi Asahiro, Jesper Jansson, Avraham Melkman, Eiji Miyano, Hirotaka Ono, Quan Xue and Shay Zakov
Shortest Longest-Maximal-Path Orientation for Trees
- Yuichi Asahiro, Hiroshi Eto, Taku Kato, Guohui Lin and Eiji Miyano
Bounded-Deletion Maximum Independent Set Problem on Chordal Bipartite Graphs
- Keita Miyajima and Hiroshi Fujiwara
Snow Shoveling Cost of a Graph

Banquet: 18:30—21:30

Nakanoshima Social Eat Awake (Basement of Osaka City Central Public Hall)

➤ Direction to Osaka City Central Public Hall:

- ◇ Route A: Walk to Ebisucho Station (10min). Take Metro Sakaisuji-Line to Kitahama Station(10-15min). Walk to Osaka City Central Public Hall(5min)
- ◇ Route B. Walk to Daikokucho Station(10min). Take Metro Midosuji-Line to Yodoyabashi Station(10-15min). Walk to Osaka City Central Public Hall(5 min).

June 1

Registration open at 9:30

10:00 –11:00

- Session 5: Invited Talk 2
Herbert Edelsbrunner
Measuring the Mingling of Colored Points

11:00-11:30 Coffee Break

11:30-12:50 Session 6

- Shuangli Li, Bingkai Lin and Yuwei Liu
Improved Lower Bounds for Approximating Parameterized Nearest Codeword and Related Problems under ETH
- Matteo Castiglioni, Junjie Chen, Minming Li, Haifeng Xu and Song Zuo
On the Hardness of Single-Parameter Bayesian Contract Design
- Suey Wang and Hsu-Chun Yen
Morphing of Area-Universal Contact Graph Representations
- Natsuda Kaothanthong, Rurika Takami and Takeshi Tokuyama
Ordered Multiple Alignment and Rank Aggregation

Closing