International Workshop on Discrete Mathematics and Algorithms 2025
@Okinawa Prefecture Municipal Center (沖縄県市町村自治会館)

http://www.tcs.mi.i.nagoya-u.ac.jp/~ono/WS/DMA2025/

Program (30-March-2025 version)

28 March 2025

13:00
- Opening

13:10-15:40 (Graph Theory session 1)
- Boram Park (Ajou University)
  - Coloring of squares and strong odd coloring
- Kuniharu Yokomura (Tokai University)
  - On degree conditions of semi-balanced k-partite Hamiltonian graphs
- Pawaton Kaemawichanurat (King Mongkut's University of Technology Thonburi)
  - 2-factor domination in graphs
- Kiyoshi Yoshimoto (Nihon University)
  - Even Spanning Trees of Graphs II
- Mark Siggers (Kyungpook National University)
  - Complexity Framework for Forbidden Subgraphs II: Edge Subdivision and the H-graphs

15:40-17:00 (Working session)

29 March 2025

09:30-11:00 (Algorithm session 1)
- Toshiki Saitoh (Kyushu Institute of Technology)
  - Order-preserving subgraph isomorphism problems
- Robert Barish (The University of Tokyo)
  - Proper edge coloring problems for geometric intersection graphs
- Tomohiro I (Kyushu Institute of Technology)
  - Space-efficient SLP Encoding for O(log N)-time Random Access

11:15-12:45 (Algorithm session 2)
- Nicolas Honorato-Droguett (Nagoya University)
  - On the Complexity of Minimising the Moving Distance for Dispersing Objects
- Yu Nakahata (NAIST)
  - A ZDD-based Algorithm for Coloring Reconfiguration under Kempe Change
- Dominik Köppl (University of Yamanashi)
  - Compression Sensitivity of the Bijective Burrows-Wheeler transform

12:45-14:15
- Lunch Break

14:15-17:00 (Working Session)

19:00-21:00 (Dinner)

Mion Bettei
Map: https://maps.app.goo.gl/3HPWLsBKZr9yCX3X6
(https://tabelog.com/okinawa/A4701/A470101/47028504/)

Note: They have a live Okinawa folk songs show from 19:45-.

30 March 2025

10:00-11:00 (Graph session 2)
- Shoichi Tsuchiya (Senshu University)
  - Homeomorphically irreducible spanning trees in graphs with diameter 2
- Rutger Campbell (Institute for Basic Science)
  - Counting well-quasi-ordered down-sets
- ~~Reza Naserasr (CNRS)~~
  - ~~Balanced coloring,~~ (Canceled)
- Shinya Fujita (Yokohama City University)
  - On the hop domination number of a triangle-free graph

11:30-11:40 Closing