



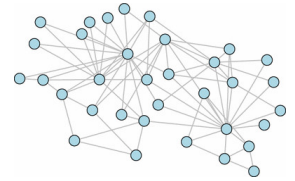
Research Meeting and School on Distributed Computing by Mobile Robots

[Home](#) [Committees](#) [Participants](#) [Registration](#) [Program](#) [Abstracts](#) [Venue](#)



Moving and Computing

9-10 December,
2023
Tokyo, Japan



Program

MAC 2023 was very successful and we had an excellent and productive time. The program is left here out of nostalgia and bureaucratic reference.

December 9

- | | |
|---------------|---|
| 9:00 - 9:20 | Gokarna Sharma (Kent University)
Optimally solving dispersion on anonymous graphs. |
| 9:20 - 9:40 | Yuichi Sudo (Hosei University)
Graph exploration by a clumsy agent. |
| 9:40 - 10:00 | Quentin Bramas (University of Strasbourg)
Open problems in grid exploration by luminous robots with limited visibility. |
| 10:00 - 10:30 | Break |
| 10:30 - 10:50 | Taisuke Izumi (Osaka University)
On computational power of mobile agents in node storage model. |
| 10:50 - 11:10 | Anissa Lamani (University of Strasbourg)
Stand up indulgent gathering in the discrete universe. |
| 11:10 - 11:30 | Kazuki Hasegawa (Osaka University)
Uniform deployment of mobile robots with restricted views in path graphs. |
| 11:30 - 13:30 | Lunch |
| 13:30 - 13:50 | John Augustine (IIT Madras)
Byzantine resilient gathering of anonymous mobile agents. |
| 13:50 - 14:10 | Jean-Lou De Carufel (University of Ottawa)
Searching for a line in an arrangement of lines. |
| 14:10 - 14:30 | Toshimitsu Masuzawa (Osaka University)
Crash-tolerant graph exploration by two energy-sharing mobile agents. |
| 14:30 - 14:50 | Break |
| 14:50 - 15:10 | Konstantinos Georgiou (Toronto Metropolitan University)
Search-type problems on the unit disk. |
| 15:10 - 15:30 | Binh-Minh Bui-Xuan (LIP6)
Continuous journeys in (spatio) temporal graphs. |



Research Meeting and School on Distributed Computing by Mobile Robots

[Home](#) [Committees](#) [Participants](#) [Registration](#) [Program](#) [Abstracts](#) [Venue](#)

15:50 - 19:00 Break, Unscheduled Talks and Discussions

19:00 - Dinner at [と の](#) ([maps](#))

December 10

9:30 - 9:50 Caterina Feletti (University of Milan)
Computational power of opaque robots: New results and open problems.

9:50 - 10:10 Koichi Wada (Hosei University)
On the power of mobile robots with light: schedulers, memories, and communications.

10:10 - 10:30 Fabian Frei (ETH Zürich, and CISPA)
Robots missing someone.

10:30 - 11:00 Break

11:00 - 11:20 Nicola Santoro (Carleton University)
Robots: Some outstanding open problems & new questions.

11:20 - 11:40 Andrea Richa (Arizona State University)
Adaptive Collective Responses to Local Stimuli in Anonymous Dynamic Networks

11:40 - 13:30 Lunch

13:30 - 13:50 Joshua Daymude (Arizona State University)
New frontiers for Amoebots: Fault tolerance, circuit communication, and 3D stability.

13:50 - 14:10 Alfredo Navarra (University of Perugia)
Silent programmable matter: State of the art.

14:10 - 14:30 Shinnosuke Seki (UEC, Tokyo)
How complex shapes can RNA fold into ?

14:30 - Break, Unscheduled Talks and Discussions

[Useful links](#) [Tokyo Tech](#)
[MAC History](#)
[MAC Book](#)