

23rd International Micro Robot Maze Contest 2014

November 9, 2014, Nagoya University, Noyori Memorial Hall

Co-sponsored by: JSME Robotics and Mechatronics Division, Meijo University, International Affairs

Organizing Committee:

General Co-Chairs:

Toshio Fukuda, Meijo U., Japan
Fumihito Arai, Nagoya U., Japan

General Affairs:

Hidenori Ishihara, Kagawa U., Japan
Masahiro Nakajima, Nagoya U., Japan

Local Arrangement Chairs:

Akihiko Ichikawa, Meijo U., Japan
Kenichi Ohara, Meijo U. Japan

Educational Section Chairs:

Hiroaki Matsutani, Kasugai Technical
High-school, Japan

Yasuhisa Hasegawa, Tsukuba U., Japan

Don Isarakorn, KML, Thailand

Masahiro Isogai, Aichi Tech. U, Japan

Takayuki Matsuno, Okayama U., Japan

Hee Chang Moon, Unmanned Solution,
Korea

Akihito Sano, Nagoya Inst. Tech., Japan

Cesare Stefanini, SSSA, Italy

Susumu Sugiyama, Ritsumeikan U., Japan

Hisataka Maruyama, Nagoya U., Japan

Technical Reports:

We strongly recommend for attendee to submit the technical report of your robot. The technical report is the important factor promoting the micro robot technology.

Format:

- 1-2 page(s) of A4 sheet with 1 inch margin (See IEEE conference paper format)

Submission:

- Only PDF file is allowed.
- Send PDF file to
ichikawa@meijo-u.ac.jp



- Micro Robot has promoted the new technology which brings us into new world. It contains various essences of technologies such as MEMS, Micro Assembling, Actuators, Sensors and Micro Computer.

- International Micro Robot Maze Contest was established in 1991. Since then, many participants from several countries have proposed new principles and architectures, and many robots have exhibited their performance.



- 23rd International Micro Robot Maze Contest 2014 will be hold at Nagoya University, Nagoya, Japan on November 9, 2014. We welcome to join our Maze Contest from any countries and any ages.

- IEEE International Symposium on Micro/Nano Mechatronics and Human Science will be hold after Maze Contest. Please check at:
<http://www.mein.nagoya-u.ac.jp/mhs>



Contest Regulations:

Details of regulations will be announced at the website. Please check our homepage.

Category 0 – Micro Robot Racer

1cm cube robots compete on their basic properties by straight running and slalom course.

Category 1 – Mountain Climbing Micro Robot Maze Competition

1cm cube robots compete on their advanced properties by climbing a slope and controllability.

Category 2a – Fully Autonomous Micro Robot Maze Competition

1 inch (25.4 mm) cube robots compete on their times for passing through the maze on the contest ground. All robots are required to be controlled fully autonomously.

Category 2b – Wireless-Controlled Micro Robot Maze Competition

1 inch (25.4 mm) cube robots controlled by wireless control such as RF or IR compete their times for passing through the maze on the contest ground.

Category 3 – Micro Biped Locomotion Robot Competition

Micro Biped Locomotion Robot which dimension is less than 1.5 inch (38.1 mm) cube compete their basic mobility. This competition is divided to **Category 3a**: Biped Micro Robot Competition, and **Category 3b**: Multiple Legged Micro Robot Competition.

Category 4 – Micro Robot Performance

The robot must be made in size of 2 inch (50.8 mm) cube. We welcome anything, e.g. performance such as dance with unique mechanism. Not only the robot performance but also the presentation of performer will be judged.

Application for Entry:

If you want to join our Maze Contest, please download the application form from the official website at the bottom and send it to the secretariat. If you cannot get the form from the website, please send the following information to the secretariat.

- Required information for application
- Information of Corresponding person (Name, Affiliation, E-mail, Tel etc.)
- Team Information (Name of Team, Members etc.)
- Robot Information (Name of Robot, Category etc.)

Important Date:

Deadline of application for invitation letter to VISA

Oct. 20, 2014

Deadline of application for entry:

Oct. 20, 2014

Contact Info.

Prof. Akihiko Ichikawa
Meijo University

E-mail: ichikawa@meijo-u.ac.jp

TEL: +81-52-838-2604

<http://www.mein.nagoya-u.ac.jp/maze>