

MHS & Micro–Nano COE Final Program at a Glance

November 5 (Sun.) 15th International Micro Robot Maze Contest 2006

Registration: 13:00-17:00

Location: Noyori Conference Hall

Category 0 – Micro Robot Racer

Category 1 – Mountain Climbing Micro Robot Maze Competition

Category 2a – Fully Autonomous Micro Robot Maze Competition

Category 2b – Remote-controlled Autonomous Micro Robot Maze Competition

10:00: Opening

10:15: Preliminary heat of Category 2

11:30: Break

12:00: Exhibition of School of Micro Robot

12:30: Final heat of Category 0

13:30: Final heat of Category 1

14:30: Final heat of Category 2

15:30: Exhibition of Micro walking robot

16:00: Award Ceremony and Closing

November 6 (Mon.) Technical Sessions, Posters, Exhibition

Registration: 8:15-17:00

	Conference Room 1 (2nd floor)	Conference Room 2 (1st floor)	Exhibition Room
9:00- 10:00	Session MA1-1 (Organized Session) Bio Manipulation A01: Reconstruction and Modeling of Life Function 1	Session MA1-2 Micro-Nano Systems and Components	
10:00-10:30	Coffee Break		
10:30-11:45	Session MA2-1 (Organized Session) Bio Manipulation A01: Reconstruction and Modeling of Life Function 2	Session MA2-2 Micro-Nano Fabrication	
11:45-13:00	Lunch		
13:00-14:30	Poster Presentations (Exhibition Area)		
14:30-15:00	Coffee Break		Exhibition
15:00-16:30	Session MP1-1 (Organized Session) Bio Manipulation A03: Regeneration of Tissue and Control 1	Session MP1-2 (Organized Session) Actuator	
16:30-17:00	Coffee Break		
17:00-18:00	Session MP2-1 (Organized Session) Bio Manipulation A03: Regeneration of Tissue and Control 2	Session MP2-2 (Organized Session) Bio Manipulation A02: Environment Measurement and Control of Life Function 1	

November 7 (Tue.) Technical Sessions, Posters, Opening Remarks, Plenary Lecture, Reception Party, Exhibition

Registration: 8:15-17:00

	Conference Room 1 (2nd floor)	Conference Room 2 (1st floor)	Exhibition Room
9:00-10:00	Session TA1-1 (Organized Session) Bio Manipulation A02: Environment Measurement and Control of Life Function 2	Session TA1-2 Nano Scale Measurement and Systems	
10:00-10:10	Coffee Break		
10:10-11:40	Poster Presentations (Exhibition Area)		
11:40-12:40	Lunch		
	Conference Room 1 (2nd floor)		
12:40-13:00	Opening Remarks Shinichi Hirano, President of Nagoya University, Japan Toshio Fukuda, Nagoya University, Japan (General Co-Chair) Yasunaga Mitsuya, Nagoya University, Japan (General Co-Chair) Toshiro Higuchi, University of Tokyo, Japan (General Co-Chair)		
13:00-13:45	Plenary Lecture 1 Engineering and Fabricating a Hybrid Biotic/ Abiotic Biological Computer <i>Dr. Carlo D. Montemagno, University of Cincinnati, USA</i>		
13:45-14:30	Plenary Lecture 2 Disposable Smart Lab-on-a-Chip for Point-of-Care Diagnostics at Home <i>Prof. Chong H. Ahn, University of Cincinnati, USA</i>		
14:30-14:50	Coffee Break		Exhibition
14:50-15:35	Plenary Lecture 3 The Ever Shrinking Hard Disk Drive and Its Components - What are the Challenges? <i>Dr. Yiao-Tee Hsia, Seagate Technology, USA</i>		

15:35-16:20	Plenary Lecture 4 From Antenna Stents to Wireless Geiger Counters: The Promise of Electrical Micro-discharges in the Fabrication and Operation of Microsensors <i>Prof. Yogesh B. Gianchandani, University of Michigan, USA</i>
16:20-16:40	Coffee Break
16:40-17:25	Plenary Lecture 5 Challenges for Effective Millirobots <i>Prof. Ronald S. Fearing, University of California at Berkeley, USA</i>
17:25-18:10	Plenary Lecture 6 In Situ Sensing and Manipulation in Nano Bio Systems <i>Prof. Ning Xi, Michigan State University, USA</i>
18:10-18:55	Plenary Lecture 7 Human Robot Symbiosis System-Necessary Infrastructure to realize the System- <i>Prof. Tomomasa Sato, University of Tokyo, Japan</i>
19:00-20:30	Reception Party (Exhibition Room)

November 8 (Wed.) Invited Talk, Technical Sessions, Award Ceremony, Exhibition

Registration: 8:15-11:00

	Conference Room 1 (2nd floor)		Exhibition Room
9:00-9:45	Invited Talk Energy Saving System Based on Robotic Technology as Named Ecomechatronics <i>Prof. Takeo Oomichi, University of Meijo, Japan</i>		Exhibition
9:45-10:00	Coffee Break		
	Conference Room 1 (2nd floor)	Conference Room 2 (1st floor)	
10:00-10:45	Session WA1-1 Tactile Sensing	SessionWA1-2 Robotics and Control	
10:45-11:00	Coffee Break		
11:00-11:45	SessionWA2-1 Micro-Nano Robotics	SessionWA2-2 Sensing and Control	
11:45-12:00	Award Ceremony		
12:00-13:30	Lunch		
13:30-15:30	Laboratory Tour (at Nagoya University)		