

Program at a Glance

Nov. 22 (Fri.) Opening Remarks, Plenary Talks, Lab Tour, Exhibition and MHS&CBS Joint Party

<Emergent / Innovative Engineering Building (Hybrid)>

Time	Room 1	Exhibitn Room
9:00~9:45	Plenary Talk (CBS2024, Paticipant of MHS2024 can attend.) "Biological Actuators for Soft Robotics" Prof. Ritu Raman, Massachusetts Institute of Technology, USA	Exhibition 9:00-17:00
9:45~10:30	Plenary Talk (CBS2024, Paticipant of MHS2024 can attend.) "Biohybrid Robotics" Prof. Shoji Takeuchi, The University of Tokyo, Japan	
10:30~10:45	Break	
10:45~11:30	Plenary Talk (CBS2024, Paticipant of MHS2024 can attend.) "Bioinspired Bionic Limbs: From Embodied Intelligence to Neural Control" Prof. Cristina Piazza, Technical University Munich, Germany	
11:30~12:00	Award Ceremony and Closing	
12:00~13:00	Lunch	
13:00~14:15	Lab Tour	
14:15~14:30	Opening Prof. Toshio Fukuda, Nagoya University (Honorary Chair) Prof. Fumihito Arai, The University of Tokyo (General Chair)	
14:30~15:15	Plenary Talk 1 "Lab-on-a-Chip Systems for Personalized Medicine" Prof. Yoon-Kyoung Cho, Ulsan National Institute of Science and Technology (UNIST), Korea	
15:15~16:00	Plenary Talk 2 "Soft Sensors and Actuators Using Magnetic Responsive Elastomers" Prof. Mitsuhiro Kamezaki, The University of Tokyo, Japan	
16:00~16:15	Break	
16:15~17:00	Plenary Talk 3 "Ultraflexible/Stretchable Electronics for BMI Technologies" Prof. Tsuyoshi Sekitani, Osaka University, Japan	
17:00~17:30	Break	
17:30~19:30	MHS&CBS Joint Party	

Nov. 23 (Sat.) Organized Sessions, Poster Presentation, Exhibition

<Emergent / Innovative Engineering Building (Hybrid)>

Time	Room 1	Room 2	Exhibitn Room
9:00~10:45	Session SaA1-1: (Organized Session 5): Functional Interfaces and Hydro-Electrochemical Mechatronics	Session SaA2-1: (Organized Session 1) Advanced Micro-Nano Systems for Biomedical Applications	Exhibition 9:00-17:00
10:45~11:00	Break		
11:00~12:30	Session SaA1-2: (Organized Session 2): Cutting-edge sensors and actuators utilizing micro-nano science	Session SaA2-2: (Organized Session 8) Machine-fluid interactions in microscale	
12:30~13:30	Break		
13:30~14:30	Session SaP: Poster Session		
14:30~16:15	Session SaP1-1: (Organized Session 4-1) Emerging technologies for designing communications among cells	Session SaP2-1: (Organized Session 7-1) Intelligent Robot Systems	
16:15~16:30	Break		
16:30~18:15	Session SaP1-2: (Organized Session 4-2) Emerging technologies for designing communications among cells	Session SaP2-2: (Organized Session 7-2) Intelligent Robot Systems	

Nov. 24 (Sun.) Invited Sessions, Organized Sessions, Award Ceremony and Closing, Exhibition

<Emergent / Innovative Engineering Building (Hybrid)>

Time	Room 1	Room 2	Exhibitn Room
9:15~9:45	Invited Talk 1 "Single cell analysis based on microfluidic flow control: Achievements & Beyond" Prof. Shinya Sakuma, Department of Mechanical Engineering, Kyushu University	Invited Talk 2 "Pioneering Macro-Micro Interaction Systems with Intelligent Media, AI, and Robotics" Prof. Tadayoshi Aoyama, Department of Mechanical Systems Engineering, Nagoya University	Exhibition 9:00-16:00
9:45~10:00	Break		
10:00~12:00	Session SuA1-1: (Organized Session 6) In-body Cybernetic Avatars	Session SuA2-1: (Organized Session 3) Cutting-edge Technologies for Sustaining Health and Wellness in the Elderly	
12:00~13:00	Lunch		
13:00~14:45	Session SuP1-1: (Organized Session 9) Micro/Nano Functional Devices for in vivo/vitro applications	Session SuP2-1: Regular Session	
14:45~15:00	Break		
15:00~15:45	Plenary Talk 3 "Engineering nanorobots with biomolecular motors" Prof. Henry Hess, Columbia University, USA		
15:45~16:15	Award Ceremony and Closing		