

Time Table (January 24, 2024)

	3F			B1		
	Room A	Room B	Room C	Room D	Room E	Room F
1/23 15:00 – 17:00	Registration (3F Registration Desk)					
08:00	Registration (3F Registration Desk)					
09:00 – 10:30	GS1 Agent-based modelling Chair: K. Ikeda (will end at 10:00)	OS21 ISBC: Quantum leaps after IIAS I Chair: T. Ohira (will end at 10:15)	GS13 Human-machine interaction and collaboration I Chair: E. Sangati (will end at 10:00)	OS7 AROB: Computational intelligence and cognitive science for human biosignals and human well-being I Chair: T. Hiroyasu (will end at 10:00)	GS2 Artificial intelligence I Chair: K. Kurashige (will end at 10:15)	GS10 Control techniques I Chair: S. Sagara (will end at 10:15)
10:30 – 10:45	Break					
10:45 – 11:00	Opening Ceremony (1F Room G)					
11:00 – 11:50	Plenary Speech (1F Room G) Collective behaviors emerging from chases and escapes Prof. Toru Ohira, Nagoya University, Japan Chair: Ken Naitoh					
11:50 – 13:00	Break					
13:00 – 14:15	OS23 SWARM: Individuality and Collectivity in Living Systems II Chair: T. Ikegami (will start at 12:45)	OS22 ISBC: Quantum leaps after IIAS II Chair: T. Shimada (will end at 13:45)	OS2 AROB: Advanced Information Technology for Education Chair: K. Mackin (will end at 14:00)	OS8 AROB: Computational intelligence and cognitive science for human biosignals and human well-being II Chair: T. Hiroyasu (will end at 14:00)	GS12 Evolutionary computations (Genetic algorithm) Chair: T. Arita (will end at 14:00)	GS11 Control techniques II Chair: K. Sawada
14:15 – 14:30	Break					
14:30 – 15:20	Plenary Speech (1F Room G) AI Robots and Moon Shot Program Prof. Toshio FUKUDA, Nagoya University and Waseda University, Japan Chair: Hideki Hashimoto					
15:20 – 15:35	Break					
15:35 – 17:05	OS10 AROB: Integration of AI and Robotics for Highly Versatile Robots Chair: T. Ogata Invited Talk 15:35 - 16:05 Prof. Tetsuya Ogata	GS31 Sensor and multi-sensor data fusion Chair: H. Hashimoto	GS14 Human-machine interaction and collaboration II Chair: S. Nisar (will end at 16:35)	GS26 Robot vision and image processing I Chair: O. Fukuda	GS3 Artificial intelligence II Chair: R. Suzuki (will end at 16:50)	GS15 Machine learning I Chair: R. Arizumi (will end at 17:20)

OS: Organized Session GS: General Session

Time Table (January 25, 2024)

	3F			B1		
	Room A	Room B	Room C	Room D	Room E	Room F
08:00	Registration (3F Registration Desk)					
09:00 – 10:45	OS24 SWARM: Lunar bases construction and lunar exploration by modular and swarm AI-robots I Chair: F. Matsuno Invited Talk 9:00 - 9:30 Prof. Kazuya Yoshida	OS14 AROB: Robotics Evolution and Intelligence Chair: M.K. Habib (will end at 10:15)	OS19 ISBC: Bio-Complexity and Nonlinear system Chair: K. Naitoh	OS12 Psychophysiological measurements and analysis toward multimodal experimental study and its application Chair: S. Nomura (will end at 10:30)	GS6 Bio-inspired robotics I Chair: K. Hosotani (will end at 10:30)	GS9 Cognitive science Chair: T. Levi
10:45 – 11:00	Break					
11:00 – 11:50	Plenary Speech (1F Room G) Soft Robots for Humanity Prof. Allison M. Okamura, Stanford University, USA Chair: Sajid Nisar					
11:50 – 13:00	Break					
13:00 – 14:45	OS25 SWARM: Lunar bases construction and lunar exploration by modular and swarm AI-robots II Chair: F. Matsuno	OS1 AROB: Adaptable AI-enabled Robots to Create a Vibrant Society Chair: K. Ikeda Invited Talk 13:00 - 13:30 Prof. Yasuhisa Hirata	OS20 ISBC: Information and Visualization Chair: H. Miyachi (will end at 14:15)	OS16 AROB: System Sensing and Its Applications 1 Chair: K. Oiwa (will end at 14:15)	GS7 Bio-inspired robotics II Chair: K. Watanabe	GS16 Machine learning II Chair: M.C. Lee
14:45 – 15:00	Break					
15:00 – 15:50	Plenary Speech (1F Room G) Anthropomorphic Cognition and Artificial Life Prof. Giulio Sandini, Robotics, Brain and Cognitive Sciences – Istituto Italiano di Tecnologia – Genova - Italia Chair: Fumitoshi Matsuno					
15:50 – 16:05	Break					
16:05 – 17:50	OS6 AROB: Collaborative AI robots for adaptation of diverse environments and innovation of infrastructure construction (Moonshot program Goal-3) Chair: K. Nagatani Invited Talk 16:05 - 16:35 Prof. Keiji Nagatani	OS11 AROB: Intuitive Human-System Interaction Chair: M. Yokota	OS17 AROB: System Sensing and Its Applications 2 Chair: T. Mizuno (will end at 17:35)	OS15 AROB: Robotics with Intelligence and/or Informatics Chair: M. Minami (will end at 17:20)	GS8 Bio-inspired robotics III Chair: S. Ikemoto (will end at 17:35)	GS17 Machine learning III Chair: H. Miyachi
19:00 – 21:00	Banquet (at Beppu Kamenoi Hotel)					
OS: Organized Session			GS: General Session			

Time Table (January 26, 2024)

		3F		B1			
		Room A	Room B	Room C	Room D	Room E	Room F
		Registration (3F Registration Desk)					
08:00							
09:00 – 10:45	GS21 Motion planning and navigation Chair: M. Hatano (will end at 10:15)	OS3 AROB: Bio-inspired Theory and Applications Chair: K. Yamamori (will end at 10:00)	GS4 Artificial life I Chair: F. Sangati (will end at 10:00)	GS18 Medical informatics Chair: M.K. Habib	GS32 Swarm intelligence Chair: A. Otsuka (will end at 10:00)		
	Break						
10:45 – 11:00							
11:00 – 12:00	OS26 SWARM: Swarm and Bio-inspired Systems Chair: M.Yamamoto (will end at 11:45)	GS29 Robotic mechanism I Chair: K. Ito	GS5 Artificial life II Chair: S.-J. Liu	GS22 Multi-agent systems I Chair: Y. Kambayashi	OS18 AROB: Vehicle control Chair: S. Sagara		
	Break						
12:00 – 13:00							
13:00 – 14:45	OS9 AROB: Human-Centered Robotics Chair: S. Nisar Invited Talk 13:00 - 13:30 Dr. Cara M. Nunez	OS4 AROB: Biomimetic Machines and Robots I Chair: K. Watanabe (will end at 14:30)	OS13 AROB: Robot control and Path planning Chair: N. Takahashi (will end at 14:15)	GS27 Robot vision and image processing II Chair: T. Hayakawa (will end at 14:15)	GS23 Multi-agent systems II Chair: N. Wakamiya (will end at 13:45)	GS24 Neural networks I Chair: J.H. Lee	
	Break						
14:45 – 15:00							
15:00 – 16:30	GS30 Robotic mechanism II Chair: T. Kikuchi (will end at 16:00)	OS5 AROB: Biomimetic Machines and Robots II Chair: K. Watanabe (will end at 16:00)	GS20 Mobile robots II Chair: Y. Taira (will end at 16:00)	GS28 Robot vision and image processing III Chair: K. Hashimoto	GS25 Neural networks II Chair: F. Uchikoba (will end at 16:00)		

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