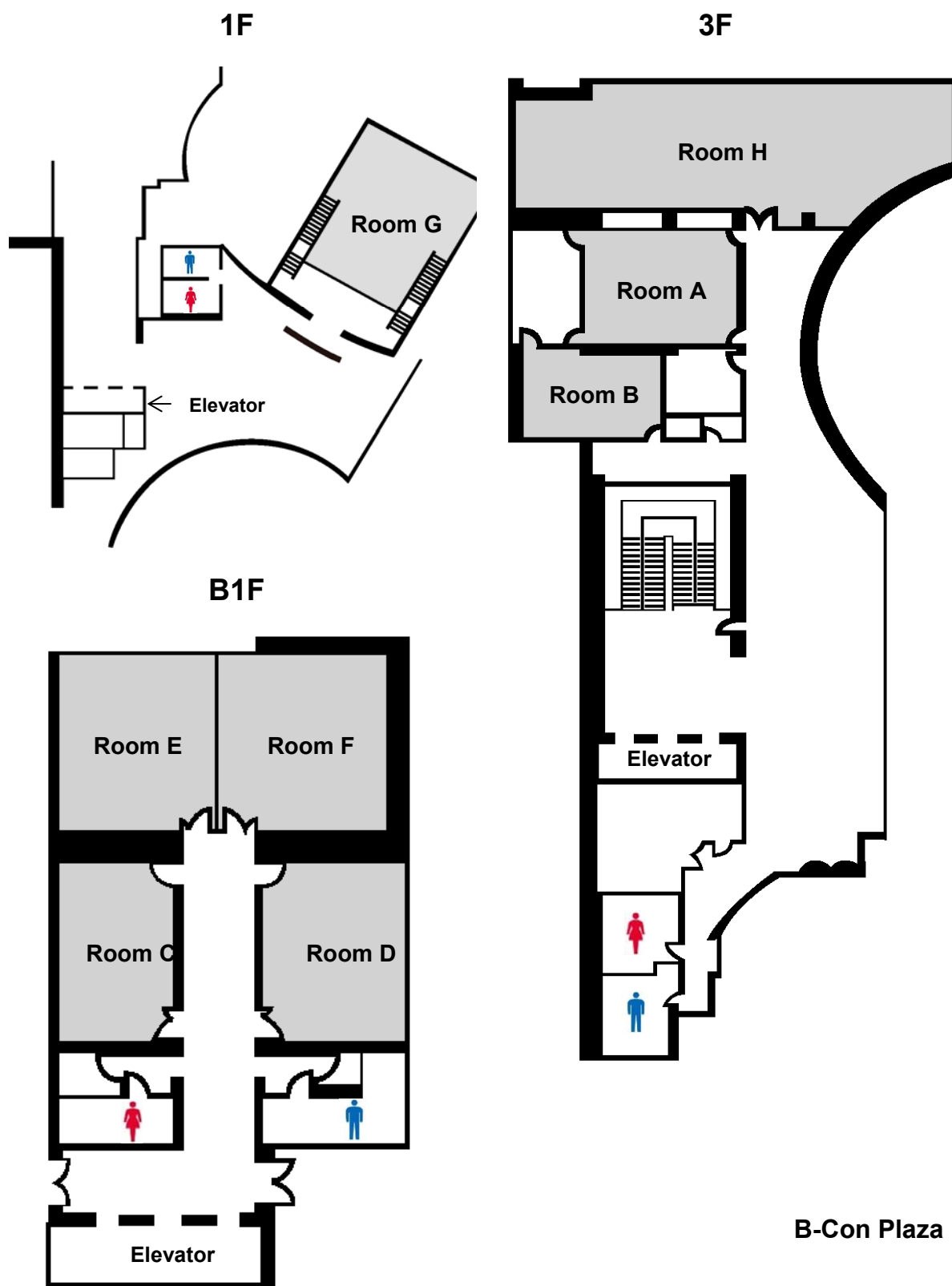


Conference Rooms



Time Table (January 23, 2019)

	3F			B1		
	Room A	Room B	Room C	Room D	Room E	Room F
1/22 15:00 – 17:00	Registration (3F Registration Desk)					
1/22 18:00 –	Welcome Party (at Beppu Kamenoi Hotel)					
08:00	Registration (3F Registration Desk)					
09:00 – 10:30	GS15 Manipulator Chair: Y. Taira	GS16 Medical Informatics Chair: M. Nishibori	GS19 Multi-agent systems Chair: S. Mikami	GS20 Neural networks Chair: H.-H. Lee	GS22 Robotic Mechanism Chair: K. Watanabe	
10:30 – 10:45	Coffee Break					
10:45– 11:10	Opening Ceremony (1F Room G)					
11:10 – 12:00	Plenary Speech (1F Room G) Historical and Futuristic Perspectives of Robotics Prof. Shuzhi Sam Ge Chair: Fumitoshi Matsuno					
12:00 – 13:00	Lunch					
13:00 – 14:30	GS13 Intelligent control Chair: K. Ito	ISBC OS3 Genome, Food Preference, Environmental Factors, and Prognostic Medication Chair: S. Ogishima	GS14 Learning Chair: K. Takadama	GS21 Robot vision and image processing Chair: K. Kawasue	OS15 Vehicle dynamics and control Chair: S. Sagara	
14:30 – 14:45	Coffee Break					
14:45 – 16:30	GS3 Artificial life Chair: J. Ogawa	ISBC OS1 Complexity 1 Chair: K. Naitoh (14:45-15:45) Break (15:45-16:00) ISBC OS2 Complexity 2 Chair: K. Naitoh (16:00-17:00)	GS8 Data mining 1 Chair: R. Saga	GS11 Human-machine interaction and collaboration Chair: P. Ratsamee	GS7 Control techniques Chair: K. Nakamura	GS9 Data mining 2 Chair: T. Nakashima

OS: Organized Session GS: General Session

Time Table (January 24, 2019)

	3F			B1		
	Room A	Room B	Room C	Room D	Room E	Room F
08:30	Registration (3F Registration Desk)					
09:15 – 10:45	GS5 Cognitive science Chair: H. Araki	GS10 Evolutionary computations (Genetic algorithm) Chair: R. Suzuki	OS7 Intuitive Human- System Interaction Chair: M. Yokota	OS10 Robot Control and Signal Processing 1 Chair: M. Yokomichi	OS12 Robotics with Intelligence and/or Informatics 1 Chair: M. Minami	
10:45 – 11:00	Coffee Break					
11:00 – 11:50	Plenary Speech (1F Room G) Mobility AI and Marine AI: AI applications to real regional problems Prof. Hitoshi Matsubara Chair: Fumitoshi Matsuno					
11:50 – 13:00	Poster Session (12:00-13:00 3F Room H) / Lunch					
13:00 – 14:15	GS1 Agent-based modelling Chair: T. Fuchida	OS1 Biocolor imaging and its practical and clinical applications Chair: N. Tsumura	GS6 Complexity Chair: K. Naitoh	OS6 Intelligence and Robotics Chair: M.K. Habib	OS9 Machine Learning Applications to Movement Detections Chair: K. Hashimoto	OS11 Robot Control and Signal Processing 2 Chair: TBA
14:15 – 14:30	Coffee Break					
14:30 – 15:20	Plenary Speech (1F Room G) Development of a walking assistance device for paralytic by collaborating medical-engineering and academic-industry Prof. Eiichiro Tanaka Chair: Hee-Hyol Lee					
15:20 – 15:35	Coffee Break					
15:35 – 17:20	GS2 Artificial intelligence Chair: J.-S. Shieh	GS4 Biomedical imaging Chair: K. Goto		OS5 Deep Learning Approaches to Textual Information Chair: K. Hashimoto	OS13 Robotics with Intelligence and/or Informatics 2 Chair: T. Kinugasa	OS14 System Sensing and Its Applications Chair: H. Asano
18:30 – 20:30	Banquet (at Beppu Kamenoi Hotel)					

OS: Organized Session GS: General Session

Time Table (January 25, 2019)

	3F		B1	
	Room A	Room B	Room C	Room D
Registration (3F Registration Desk)				
08:30	OS2 Bio-inspired theory and applications (1) Chair: K. Yamamori	OS4 Biomimetic Machines and Robots Chair: K. Watanabe	GS17 Mobile robots Chair: M. Ishikawa	GS23 Sensor and multi-sensor data fusion Chair: A. Yamawaki
10:30 – 10:45	GS25 Tele-operation Chair: S. Sagara			
Cofee Break				
10:45 – 12:00	OS3 Bio-inspired theory and applications (2) Chair: K. Yamamori	GS12 Identification and Estimation Chair: K. Sawada	OS8 Learning and Control Chair: H.-H. Lee	GS24 Swarm intelligence Chair: T. Arita
12:15 – 13:00	Farewell Party (Room A)			