

Conference Program with Paper Arrangement

Day2/July 6th, 2023

8:30–8:40 Opening Ceremony Chair: Zhouping Yin (尹周平), Huazhong University of Science and Technology
8:30–8:40 Academician Huayong Yang (杨华勇), Zhejiang University
8:40–10:10 Plenary Speech I Chair: Prof. Zhouping Yin (尹周平), Huazhong University of Science and Technology
8:40–9:10 Plenary Speech 1 Prof. Jie Zhao (赵杰), Harbin Institute of Technology
9:10–9:40 Plenary Speech 2 Prof. Xianmin Zhang (张宪民), South China University of Technology
9:40–10:10 Plenary Speech 3 Prof. Xinjun Liu (刘辛军), Tsinghua University
10:10–10:25 Coffee & Tea Break
10:25–11:55 Plenary Speech II Chair: Xinyu Wu (吴新宇), Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences
10:25–10:55 Plenary Speech 4 Prof. Zhiwu Han (韩志武), Jilin University
10:55–11:25 Plenary Speech 5 Prof. Qinchuan Li (李秦川), Zhejiang Sci-Tech University
11:25–11:55 Plenary Speech 6 Prof. Jouni Mattila, Tampere University, Finland
11:55–14:00 Lunch & Break

14:00–15:45 Session I Oral (S01 – S05)

Session 01	Session 02	Session 03	Session 04	Session 05
Multifunctional Hall 278, 多功能厅278	Multifunctional Hall 287, 多功能厅287	Multifunctional Hall 288, 多功能厅288	Multifunctional Hall 289, 多功能厅289	Multifunctional Hall B01, 多功能厅B01
Human-centric Technologies for Seamless Human-robot Collaboration	Multimodal Collaborative Perception and Fusion	Intelligent Robot Perception in Unknown Environments	Vision-Based Human Robot Interaction and Application	Reliable AI on Machine Human Reactions
Chair: Xin Zhang (张鑫) Qing Gao (高庆)	Chair: Yixuan Sheng (盛译萱) Jinbiao Liu (刘金标)	Chair: Sixian Chan (产思贤) Zhaomin Chen (陈钊民) Haibin Cai (蔡海斌)	Chair: Zhiyong Wang (王志永) Jing Li (李菁)	Chair: Meng Han (韩蒙) Jiahui Yu (于佳辉) Changting Lin (林昶廷)
113	28	25	82	78
160	128	255	209	111
193	291	256	237	140
194	389	279	260	156
218	469	406	344	184
	534	516	363	257
	594			286

14:00–15:45 Session I Oral (S06 – S08, Best 01, Best 02)

Session 06	Session 07	Session 08	Best 01	Best 02
Multifunctional Hall B02, 多功能厅B02	Multifunctional Hall B03, 多功能厅B03	Multifunctional Hall B05, 多功能厅B05	Multifunctional Hall 258, 多功能厅258	Multifunctional Hall 268, 多功能厅268
Wearable Sensors and Robots	Wearable Robots for Assistance, Augmentation and Rehabilitation of Human Movements	Perception and Manipulation of Dexterous Hand for Humanoid Robot	Best Student Paper Competition (I)	Best Student Paper Competition (II)
Chair: Tao Liu (刘涛) Yinlai Jiang (姜银来)	Chair: Ting Zhang (张庭) Jianjun Meng (孟建军) Jiejunyi Liang (梁杰俊一)	Chair: Guanjun Bao (鲍官军) Haoyong Yu (喻豪勇) Tao Wang (王涛)	Chair: Gong Xiang (向巩) Liang Hu (胡亮) Wei Song (宋伟)	Chair: Zhi Han (韩志) Mingming Zhang (张明明) Dong Han (韩冬)
158	105	148	75	213
166	127	297	119	299
321	154	353	147	302
327	230	383	205	374
334	235	522	208	507
367	459			
463	549			

15:45–16:00 Coffee & Tea Break

16:00–17:45 Session II Oral (S09 – S13)

Session 09	Session 10	Session 11	Session 12	Session 13
Multifunctional Hall 278, 多功能厅278	Multifunctional Hall 287, 多功能厅287	Multifunctional Hall 288, 多功能厅288	Multifunctional Hall 289, 多功能厅289	Multifunctional Hall B01, 多功能厅B01
Medical Imaging for Biomedical Robotics	Advanced Underwater Robot Technologies	Innovative Design and Performance Evaluation of Robot Mechanisms (I)	Evaluation of Wearable Robots for Assistance and Rehabilitation	3D Printing Soft Robots
Chair: Yingke Xu (许迎科)	Chair: Gong Xiang (向巩)	Chair: Yanbiao Li (李研彪) Yong Lei (雷勇)	Chair: Shuo Ding (丁硕)	Chair: Dong Wang (王东) Biao Zhang (张彪) Yuanfang Zhang (章圆方) Yi Xiong (熊异)
69	124	117	271	17
89	183	248	358	229
103	192	268	359	241
112	196	318	378	295
204	342	499	475	323
343	508	558	479	465
			531	513

16:00–17:45 Session II Oral (S14 – S16, Best 03, Best 04)

Session 14	Session 15	Session 16	Best 03	Best 04
Multifunctional Hall B02, 多功能厅B02	Multifunctional Hall B03, 多功能厅B03	Multifunctional Hall B05, 多功能厅B05	Multifunctional Hall 258, 多功能厅258	Multifunctional Hall 268, 多功能厅268
Dielectric Elastomer Actuators for Soft Robotics	Human-like Locomotion and Manipulation	Pattern Recognition and Machine Learning for Smart Robots	Best Paper Competition (I)	Best Paper Competition (II)
Chair: Jiang Zou (邹江) Chongjing Cao (曹崇景)	Chair: Anhuan Xie (谢安桓) Xin Wang (王鑫)	Chair: Zhi Han (韩志) Lianqing Liu (刘连庆)	Chair: Jianfeng Tao (陶建峰) Tao Liu (刘涛) Guanjun Bao (鲍官军) Huimin Shen (申慧敏) Qinchuan Li (李秦川)	Chair: Bo Jin (金波) Fei Gao (高飞) Xiaoping Ouyang (欧阳小平) Yongjun Gong (弓勇军) Anhuan Xie (谢安桓)
24	95	62	37	272
85	139	90	99	288
121	187	114	169	338
132	250	115	181	490
346	287	186	245	494
356	349	504		
562				

14:00–15:45 Poster Session I

14:00–15:45 Poster Presentation I	14:00–15:45 Poster Presentation II
15:45–16:00 Coffee & Tea Break	
16:00–17:45 Poster Session II	
16:00–17:45 Poster Presentation III	16:00–17:45 Poster Presentation IV
18:30–21:00 Banquet and Award Chair: Honghai Liu (刘洪海), Harbin Institute of Technology, Shenzhen	
Day3/July 7th, 2023	
8:30–10:00 Plenary Speech III Chair: Honghai Liu (刘洪海), Harbin Institute of Technology, Shenzhen	
8:30–9:00 Plenary Speech 7 Prof. Guangzhong Yang (杨广中), Shanghai Jiao Tong University	
9:00–9:30 Plenary Speech 8 Prof. Li Zhang (张立), The Chinese University of Hong Kong	
9:30–10:00 Plenary Speech 9 Prof. Caihua Xiong (熊蔡华), Huazhong University of Science and Technology	
10:00–10:15 Coffee & Tea Break	
10:15–11:45 Plenary Speech IV Chair: Lianqing Liu (刘连庆), Shenyang Institute of Automation, Chinese Academy of Sciences	
10:15–10:45 Plenary Speech 10 Prof. Jianda Han (韩建达), Nankai University	
10:45–11:15 Plenary Speech 11 Prof. Shijie Guo (郭士杰), Hebei University of Technology	
11:15–11:45 Plenary Speech 12 Prof. Ning Jiang (江宁), West China Hospital, Sichuan University	
11:45–14:00 Lunch & Break	

14:00–15:45 Session III Oral (S17 – S21)

Session 17	Session 18	Session 19	Session 20	Session 21
Multifunctional Hall 278, 多功能厅278	Multifunctional Hall 287, 多功能厅287	Multifunctional Hall 288, 多功能厅288	Multifunctional Hall 289, 多功能厅289	Multifunctional Hall B01, 多功能厅B01
Robotic Tactile Sensation, Perception, and Applications	Advanced Sensing and Control Technology for Human–robot Interaction	Knowledge-based Robot Decision-making and Manipulation	Design and Control of Legged Robots	Robots in Tunnelling and Underground Space
Chair: Jixiao Liu (刘吉晓) Rui Wang (王睿)	Chair: Qinchuan Li (李秦川) Gang Chen (陈刚) Wei Ye (叶伟)	Chair: Wei Song (宋伟) Jianfeng Liao (廖建峰)	Chair: Haihui Yuan (袁海辉) Ruilong Du (杜睿龙) Chunjiang Fu (付春江)	Chair: Jianfeng Tao (陶建峰) Lintao Wang (王林涛)
141	33	70	71	125
168	254	79	102	289
309	273	137	143	329
445	320	157	228	348
527	336	387	351	370
	366		446	377
	368			424

14:00–15:45 Session III Oral (S22 – S24, C 01)

Session 22	Session 23	Session 24	C 01
Multifunctional Hall B02, 多功能厅B02	Multifunctional Hall B03, 多功能厅B03	Multifunctional Hall B05, 多功能厅B05	Multifunctional Hall 268, 多功能厅268
Robotic Machining of Complex Components	Clinically Oriented Design in Robotic Surgery and Rehabilitation	Visual and Visual-tactile Perception for Robotics	Cutting-edge Research in Robotics (I)
Chair: Xingwei Zhao (赵兴炜) Zhoulong Li (李洲龙)	Chair: Kang Li (李康) Ning Jiang (江宁)	Chair: Hua Yang (杨华) Shuang Mei (梅爽) Zeyu Gong (龚泽宇)	Chair: Shuo Ding (丁硕)
67	131	178	27
214	150	236	77
243	275	238	189
317	290	339	285
440	461	488	203
498	484	521	350
	525		

15:45–16:00 Coffee & Tea Break

16:00–17:45 Session IV Oral (S25 – S29)

Session 25	Session 26	Session 27	Session 28	Session 29
Multifunctional Hall 278, 多功能厅278	Multifunctional Hall 287, 多功能厅287	Multifunctional Hall 288, 多功能厅288	Multifunctional Hall 289, 多功能厅289	Multifunctional Hall B01, 多功能厅B01
Perception, Interaction, and Control of Wearable Robots	Marine Robotics and Applications	Multi-robot Systems for Real World Applications	Physical and Neurologica Human–Robot Interaction	Advanced Motion Control Technologies for Mobile Robots
Chair: Kui Xiang (向馗) Yuquan Leng (冷雨泉)	Chair: He Shen (沈贺) Jian Gao (高剑) Zhengxing Wu (吴正兴) Gang Wang (王刚)	Chair: Qiuguo Zhu (朱秋国) Fei Gao (高飞)	Chair: Huimin Shen (申慧敏) Rui Huang (黄瑞) Mingming Zhang (张明明) Mingjie Dong (董明杰)	Chair: Zhang Chen (陈章) Zhan Li (李湛) Yang Deng (邓飏) Linqi Ye (叶林奇)
109	74	50	76	180
361	174	65	146	296
451	308	159	161	385
453	380	202	240	414
502	520	207	441	485
	526	470	464	533
	557	554	547	

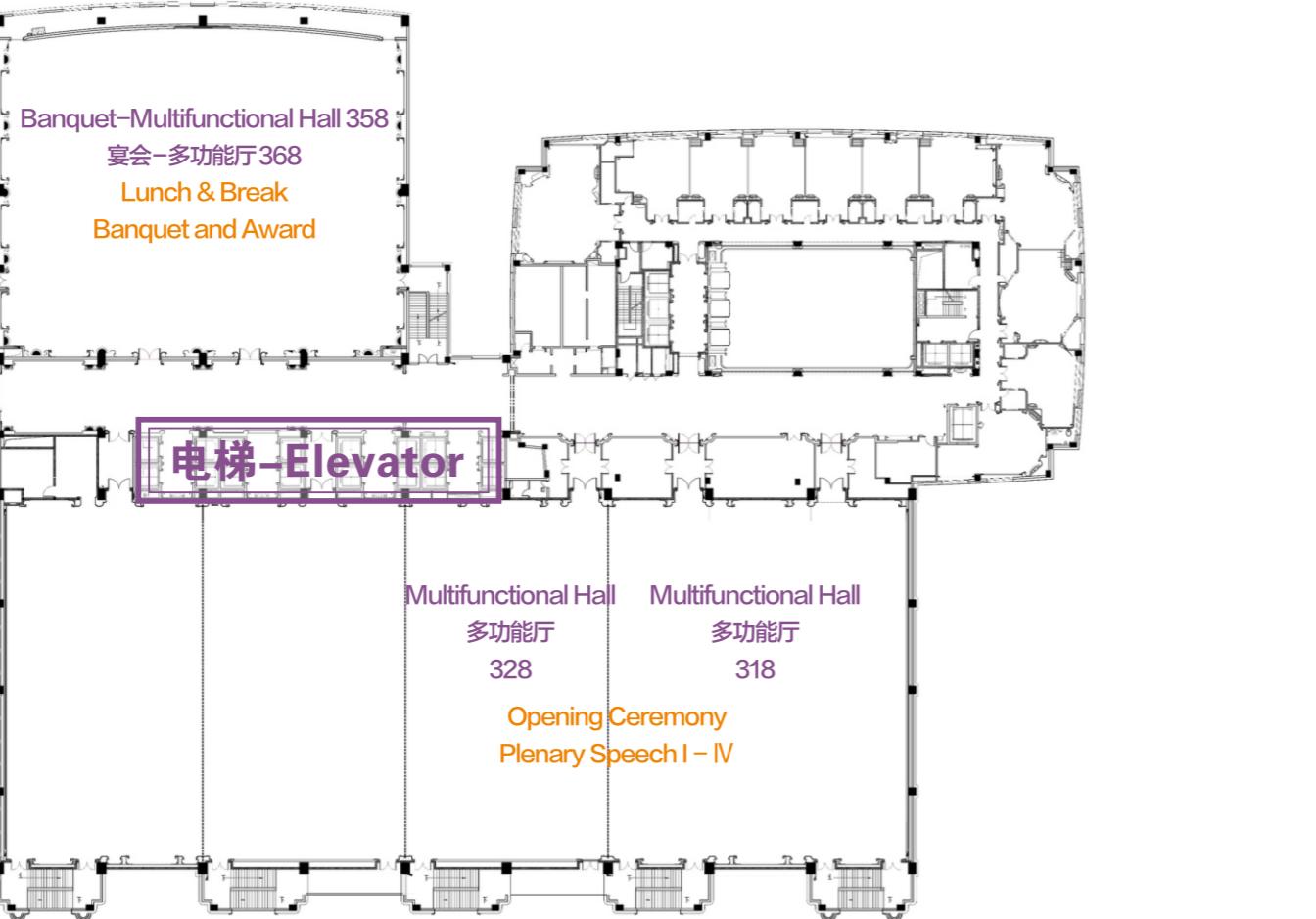
16:00–17:45 Session IV Oral (S30 – S32, C 02)

Session 30	Session 31	Session 32	C 02
Multifunctional Hall B02, 多功能厅B02	Multifunctional Hall B03, 多功能厅B03	Multifunctional Hall B05, 多功能厅B05	Multifunctional Hall 268, 多功能厅268
Intelligent Inspection Robotics	Robotics in Sustainable Manufacturing for Carbon Neutrality	Innovative Design and Performance Evaluation of Robot Mechanisms (II)	Cutting-edge Research in Robotics (II)
Chair: Laihao Yang (杨来浩) Zhongdong Jiao (焦中栋) Xin Dong (东昕) Yu Sun (孙瑜)	Chair: Bin He (何斌) Long Chen (陈龙) Bai Chen (陈柏)	Chair: Duanling Li (李端玲) Yisheng Guan (管贻生) Kaijie Dong (董凯捷)	Chair: Wei Ye (叶伟)
122	86	198	165
177	151	249	185
239	227	345	439
324	400	369	524
450	491	417	553
546		497	561
		517	

Floor Plan and Meeting Rooms

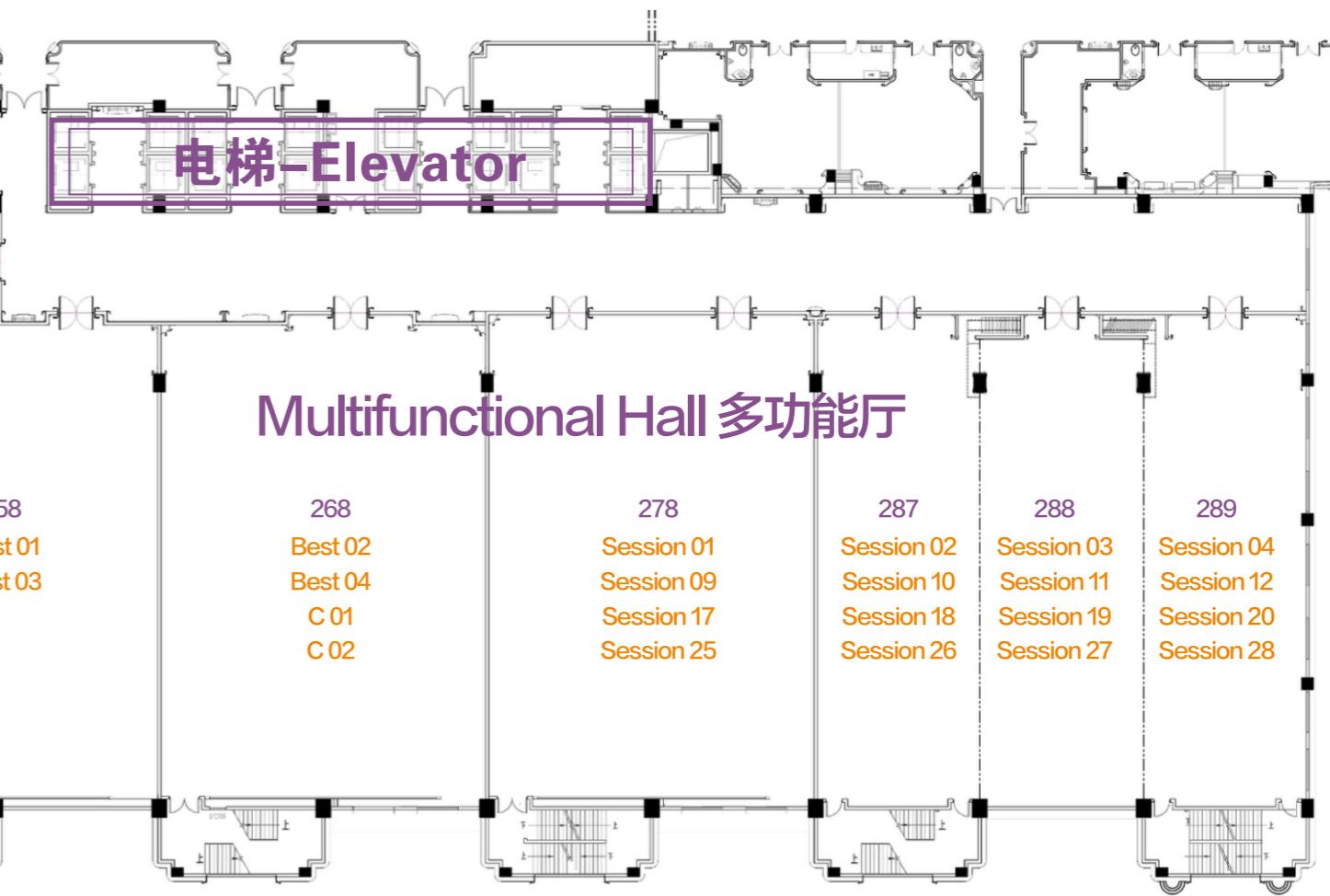
Floor Plan of the 3rd Banquet Hall

3层宴会厅平面图



Floor Plan of the 2nd Banquet Hall

2层宴会厅平面图



Floor Plan of the B1 Banquet Hall B1层宴会厅平面图

