

# IEEE-CYBER 2022 Conference Program

July 27 (Wednesday)	
14:00-18:00	Registration
18:00-20:00	<b>Welcome Dinner</b> <i>(for all registered attendees)</i>

## July 28 (Thursday)

		<b>Tianchi 1, 1/F</b>		
08:20-08:30	Registration	<b>Opening Ceremony</b>		
08:30-09:20		<i>Plenary Talk 1: <b>Tianmiao Wang</b>, Beihang University, China</i> <b>Reflections on Opportunities and Challenges Facing Scientific and Technological Achievements Transformation</b>		
09:20-10:00		<i>Keynote Talk 1: <b>Li Wen</b>, Beihang University, China</i> <b>Aerial-aquatic Robots Capable of Crossing the Air-water Boundary and Hitchhiking on Surfaces</b>		
10:00-10:30		<i>Coffee Break</i>	<b>ThPo1 - Poster Session 1</b> (ID: 5, 6, 9, 14, 17, 22, 23, 25, 26, 29, 30, 36, 37, 40, 41, 42, 45, 46, 47, 48, 50, 54, 56, 57, 62, 64, 65, 66)	
10:30-12:00		<b>ThA1 - Best Paper Session I</b> (ID: 49, 55, 125, 142, 166, 179)		
12:00-13:05		<b>Lunch</b> (for all registered attendees)		
		<b>Songjiang, 2F</b>	<b>Baishan 1, 2F</b>	<b>Baishan 2, 2F</b>
13:05-14:35		<b>ThB2 - Perception and Recognition I</b> (ID:16, 19, 31, 33, 38, 68)	<b>ThB3 - Measurement and Prediction I</b> (ID:28, 39, 43, 77, 100, 112)	<b>ThB4 - Robot Planning and Control I</b> (ID:80, 102, 104, 109, 134)
14:35-15:05		<i>Coffee Break</i>	<b>ThPo2 - Poster Session 2</b> (ID:67, 69, 71, 72, 73, 75, 78, 79, 81, 85, 87, 90, 92, 93, 95, 96, 97, 98, 105, 106, 110, 113, 114, 115, 118, 129, 132,133, 141)	
15:05-16:35		<b>ThC2 - Perception and Recognition II</b> (ID: 82, 99, 183, 253, 260, 284)	<b>ThC3 - Measurement and Prediction II</b> (ID: 152, 160, 165, 248, 249, 268)	<b>ThC4 - Robot Planning and Control II</b> (ID: 170, 176, 198, 208, 238, 296, 359)
18:00	<b>Conference Dinner</b> (for all registered attendees)			

## July 29 (Friday)

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	Registration	<b>Tianchi 1, 1/F</b>		
09:00-09:50		<i>Plenary Talk 2: <b>Quan Yu</b>, State Key Laboratory of Information Security <b>Cybertwin: An Origin of Cloud Native Network Architecture</b></i>		
09:50-10:30		<i>Keynote Talk 2: <b>Bo Tao</b>, Huazhong University of Science and Technology, China <b>RFID for Mobile Robot: Navigation, Location and Control</b></i>		
10:30-11:00		<i>Coffee Break</i>	<b>FrPo3 - Poster Session 3</b> (ID:103, 144, 146, 151, 158, 159, 161, 168, 169, 171, 187, 192, 201, 213, 219, 222, 223, 226, 228, 229, 230, 231, 232, 233, 234, 237, 240, 254)	
11:00-12:30		<b>FrA1 - Best Paper Session II</b> (ID: 236, 267, 274, 293,298, 300)		
12:20-13:30		<b>Lunch</b> (for all registered attendees)		
		<b>Songjiang, 2F</b>	<b>Baishan 1, 2F</b>	<b>Baishan 2, 2F</b>
14:00-15:30		<b>FrB2 - Sensing and Recognition I</b> (ID: 20, 44, 86, 122, 136, 139)	<b>FrB3 - Medical Robot I</b> (ID: 13,18, 21, 61, 119, 138)	<b>FrB4 - Optimization and Control I</b> (ID:2, 7, 34, 53, 111, 189)
15:30-16:00		<i>Coffee Break</i>	<b>FrPo4 - Poster Session 4</b> (ID: 241, 242, 243, 245, 246, 247, 250, 255, 258, 259, 261, 262,263 266, 269, 271, 275, 276, 278, 279, 280, 287, 289, 301, 354,357, 358)	
16:30-17:30		<b>FrC2 - Sensing and Recognition II</b> (ID 143, 185, 203, 220, 239, 361)	<b>FrC3 - Medical Robot II</b> (ID: 51, 127, 184, 186, 204, 217, 292, 319,)	<b>FrC4 - Optimization and Control II</b> (ID: 11, 196, 257 ,281, 290, 295)
18:00	<b>Conference Banquet and Award Presentation</b> (for all registered attendees)			

## July 30 (Saturday)

		<b>Tianchi 1, 1/F</b>		
09:00-09:50	Registration	<i>Plenary Talk 3: <b>Kazuhiro Kosuge</b>, The University of Hong Kong</i> <b>pHRI and its Industrial Applications</b>		
09:50-10:30		<i>Keynote Talk 3: <b>Long Cheng</b>, Institute of Automation, Chinese Academy of Sciences, China</i> <b>Challenges on Hand Exoskeleton for Post-Stroke Patients</b>		
10:30-10:50		<i>Coffee Break</i>		
		<b>Songjiang, 2F</b>	<b>Baishan 1, 2F</b>	<b>Baishan 2, 2F</b>
10:50-12:05		<b>SaA2 - Mobile Robotics I</b> (ID:63, 76, 89, 101)	<b>SaA3 - Robots and Learning</b> (ID:12, 209, 252, 352)	<b>SaA4 - SLAM and Navigation</b> (ID:58, 88, 190, 199, 272)
12:05-13:30		<i><b>Lunch</b> (for all registered attendees)</i>		
13:30-14:45		<b>SaB2 - Mobile Robotics II</b> (ID: 137, 202, 251, 283, 299)	<b>SaB3 - Mechanism and Control</b> (ID: 175, 210, 273, 294, 351)	<b>SaB4 - Industrial Robotics and Applications</b> (ID:3, 108,120,154)
14:45-15:05		<i>Coffee Break</i>		
15:05-16:05		<b>SaC2 - Machine Learning and Applications</b> (ID: 27, 193, 270, 356)	<b>SaC3 - Intelligent Sensing and Control</b> (ID:116, 140, 218)	<b>SaC4 - Internet of Things</b> (ID:70, 214, 264, 355)
18:00			<b>Farewell Dinner</b> (for all registered attendees)	

**July 31 (Sunday)**

08:30-17:30

**Technical Field Trip**

Free of charge for all registered attendees  
(Please refer to conference website for booking in advanced)