

IEEE-CYBER 2018 Conference Program

July 19 (Thursday)	
14:00-17:40	<p>Workshop on Advanced Theory and Technologies in Intelligent Automation (The Residence 1)</p> <p>Speakers: Prof. Jianru Xue, Prof. Hong Chen, Prof. Shengyong Chen, Prof. Shaorong Xie, Prof. Bin He</p>
18:30-20:00	<p><i>Welcome Reception (Market Café, 1F)</i></p>

July 20 (Friday)

	The Residence 1	The Residence 2	The Residence 3	The Residence 4	Regency Room 3	Regency Room 1
08:50-09:15	Opening Ceremony					
09:15-10:00	Plenary Talk 1 The Tri-Co (Coexisting-Cooperative-Cognitive) Robots <i>Han Ding, Huazhong University of Science & Technology, China</i>					(Grand Ballroom)
10:00-10:45	Plenary Talk 2 Geometric and End-to-end Visual Servoing <i>François Chaumette, IRISA, France</i>					(Grand Ballroom)
10:45-11:15	Coffee Break (Prefunction Area, 2F)			FrPoA- Poster Session 1 (Prefunction Area, 2F) (103,108,129,138,225,448,332,156,470, 261,398,464,405,395,428,161,309,177)		
11:15-12:00	Plenary Talk 3 Leader-follower Formation Algorithms with Collision Avoidance for Two-wheeled Mobile Robots <i>Krzysztof Kozlowski, Poznan University of Technology, Poland</i>					(Grand Ballroom)
12:00-13:20	Lunch (Market Café, 1F/ Wok in the Garden, 3F)					
13:20-14:50	FrA1- Stochastic Control (152,172,226,229, 231,325,367)	FrA2- Active Robot Perception (210,219,272,275, 344,347,352)	FrA3- Simultaneous Localization and Mapping (279,328,201,232, 249,250,194)	FrA4- Visual Servo Control (253,155,164,165, 179,291,357)	FrA5- Cyber Robotics (361,406,450,480, 137,336)	FrA6- Best Paper Session (105,262, 311, 477, 462, 199,)
14:50-15:05				FrPoB-Poster Session 2 (Foyer, 1F) (175,276,115,385,409,463,438,451,159, 410,176,193,315,178,420,351,348,441)		
15:05-15:20	Coffee Break (Foyer, 1F)					
15:20-16:50	FrB1- Modeling and Control of Piezoelectric Actuators (128,215,230,433, 257,435)	FrB2- Space Robotics (242,243,281,282, 294,360)	FrB3- Surgical Robotics (255,368,310,383, 407,457)	FrB4- Cyber Physical Systems (475,217,212,466, 187)	FrB5- Specialized Robot (111,139,259,412, 476,209)	FrB6- Best Student Paper Session (366,381,374,283, 240,481)
17:00-18:15	FrC1- System Modeling (248,532,148,149)	FrC2- Micro and Nano Manipulation Robotics (416,474,422,483)	FrC3- Bio & Smart Sensing (228,274,300,394)	FrC4- Intelligent Surveillance and Detection (531,338,296,478)	FrC5- Unmanned Aerial Vehicle (154,264,269,411, 459)	
18:30-20:00	Dinner (Market Café, 1F)					

July 21 (Saturday)				
	The Residence 1	The Residence 2	The Residence 3	The Residence 4
08:30-09:15	Plenary Talk 4 <i>Cross-modal Learning of Intelligent Robot Systems</i> <i>Jianwei Zhang, University of Hamburg, Germany</i> (Grand Ballroom)			
09:15-10:00	Plenary Talk 5 <i>Towards More Flexible Calibrations for Visual Sensing and Tracking</i> <i>Youfu Li, City University of Hong Kong, Hong Kong, China</i> (Grand Ballroom)			
10:00-10:30	Coffee Break (Prefunction Area, 2F)		SaPoA- Poster Session 3 (Prefunction Area, 2F) (131,135,101,109,145,147,364,399,434, 308,442,461,529,151,356,358,365,112)	
10:30-12:00	Forum of Artificial Intelligence (AI), Robotics, and Cyber Systems (Grand Ballroom)			
12:00-13:20	Lunch (Market Café, 1F/ Wok in the Garden, 3F)			
13:20-14:50	SaA1- Human Abilities and Robotic Assistance 1 (306,134,203,319,465,307)	SaA2- Mobile Robot 1 (120,170,186,460,387)	SaA3- Advanced Control of Mechatronic Systems 1 (184,195,207,443,244,200)	SaA4- Multi-Agents and Networked Systems 1 (110,126,218,114,334,349)
14:50-15:20	Coffee Break (Foyer, 1F)		SaPoB-Poster Session 4 (Foyer, 1F) (163,171,227,247,286,468,208,104,180,181, 192,205,221,241,375,141,484,271,485,486)	
15:20-16:50	SaB1- Human Abilities and Robotic Assistance 2 (216,482,239,359,313,404)	SaB2- Mobile Robot 2 (122,127,528,206,273,302)	SaB3- Advanced Control of Mechatronic Systems 2 (268,301,289,391,265,479)	SaB4- Multi-Agents and Networked Systems 2 (125,173,339,380,118,144)
17:00-18:15	SaC1- Human Abilities and Robotic Assistance 3 (146,290,224,304,130,444)	SaC2- Mobile Robot 3 (346,354,408)	SaC3- Automation in Space/Flying Robots (157,158,326,329,222)	SaC4- Multi-agent Systems and Evolutionary Game Theory (113,277,299,414,369)
18:30-21:30	Banquet and Award Presentation (Grand Ballroom)			

July 22 (Sunday)

	The Residence 1	The Residence 2	The Residence 3	The Residence 4
08:30-09:15	Plenary Talk 6 <i>Making of a Microresonator-based Sensor –Dynamics, Feedback and Functional Printing</i> (Grand Ballroom) <i>George Chiu, Purdue University, USA</i>			
09:15-10:00	Plenary Talk 7 <i>Mutli-Scale Robotic System— From Large Scale Cellular Robot to Small Scale Robots</i> (Grand Ballroom) <i>Toshio Fukuda, Beijing Institute of Technology, China</i>			
10:00-10:30	Coffee Break (Prefunction Area, 2F)			
10:30-11:00	Keynote Talk 1 <i>Robust Coordination of Networked Multi-Robot Systems</i> (Grand Ballroom) <i>Guoqiang Hu, Nanyang Technological University, Singapore</i>			
11:00-11:30	Keynote Talk 2 <i>Laser-Based 3D Scene Modeling and Understanding for Autonomous Robots in Large-Scale Open Environments</i> (Grand Ballroom) <i>Yan Zhuang, Dalian University of Technology, China</i>			
11:30-12:00	Keynote Talk 3 <i>Intelligent Robot for Large-scale Equipment Manufacturing</i> (Grand Ballroom) <i>Jing Xu, Tsinghua University, China</i>			
12:00-13:20	Lunch (Market Café, 1F)			
13:20-14:50	SuA1- Sliding Mode Control and Mechatronics 1 (107,183,188,254,267,370)	SuA2- Connected and Automated Vehicles 1 (143,202,234,236,305,317)	SuA3- Power Systems 1 (182,213,220,278,337,417)	SuA4- Robotic Vision (185,401,376,413,454,136)
14:50-15:20	Coffee Break (Foyer, 1F)			
15:20-16:50	SuB1- Sliding Mode Control and Mechatronics 2 (371,431,440,233,343,453)	SuB2- Connected and Automated Vehicles 2 (318,345,372,373,400,430)	SuB3- Power Systems 2 (323,324,320,153,190,396)	SuB4- Automation in Real-world Applications (362,415,419,527,473,191)
17:00-18:15	SuC1- Robot Control and Planning (198,378,472,533,295)	SuC2- Medical Robotics and Systems (150,252,263,284,403)	SuC3- Power Systems 3 (166,214,246,330,342)	SuC4- Structural Analysis and Evolutionary Dynamics of Complex Systems (297,321,327,340,287)
18:30-20:00	Farewell Dinner (Market Café, 1F)			

July 23 (Monday)

09:00-12:00

Technical Tour
Institute of Robotics & Automatic Information Systems, Nankai University