WCICA 2016 Program at a Glance (June 12 - 15, 2016)

Sunday, June 12, 2016

Registration 08:00 - 20:00		
09:00 - 12:00	Workshop 1 - 姜钟平: Nonlinear Control of Dynamic Networks: The Small-Gain Approach (Pearl Hall, 明珠厅)	Workshop 2 - 郭雷（北航）: Anti-Disturbance Control: Theory and Applications (Jade Hall, 翡翠厅)
12:00 - 13:30	Lunch break	
13:30 - 16:30	Workshop 3 - 侯忠生: Model Free Adaptive Control (MFAC): Progress and Applications (Pearl Hall, 明珠厅)	Workshop 4 - 乔红: Brain-Like Intelligent Robots-Cognition, Planning and Motion (Jade Hall, 翡翠厅)
18:00 - 19:30	Welcome reception	

Monday, June 13, 2016

Time										
09:00 - 09:30	Opening ceremony (Grand Ballroom, 延惠厅)									
09:30 - 10:30	Plenary 1: Smart Optimization Control System for Energy-Intensive Equipments by Tianyou Chai (Chair: Derong Liu)									
10:30 - 11:00	Coffee break									
11:00 - 12:00	Plenary 2: Cooperative Control for Multi-Agent Systems in Microgrid Distributed Generation by Frank Lewis (Chair: Don Wunsch)									
12:00 - 13:30	Lunch break									

Room	Li River Hall 漓江厅	Seven Stars Hall 七星厅	Elephant Trunk Hill Hall 象山厅	Fold Brocade Hall 叠彩厅	Yangshuo Hall 阳朔厅	Lingui Hall 临桂厅	Pearl Hall 明珠厅	Jade Hall 翡翠厅	Amber Hall 琥珀厅	VIP Room VIP室	Poster area 海报粘贴区
13:30 - 15:30	MonN1-1: Modeling, Control and Optimization in Air Transportation System	MonN1-2: Control and Filtering for Distributed Networked Systems	MonN1-3: New Development on Fuzzy Systems and Fuzzy Control	MonN1-4: Nonlinear Systems and Control	MonN1-5: Constrained Control	MonN1-6: Adaptive Control and Learning Control	MonN1-7: Guidance and Navigation	MonN1-8: System Modeling and Identification	MonN1-9: Multi-Agent Systems and Distributed Control	MonN1-10: Data-based Modeling and Control	P1: Poster Session 1
15:30 - 15:50	Coffee break										
15:50 - 17:50	MonN2-1: Advanced Intelligent Control of Autonomous Systems	MonN2-2: New Development on Fuzzy Systems and Fuzzy Control	MonN2-3: Computational Intelligence Based Data-driven Modeling, Optimization and Control	MonN2-4: Pattern Recognition, Image Processing, Machine Learning	MonN2-5: Neural Networks and Control	MonN2-6: Smart Grids	MonN2-7: Biomedical Systems and Biosystems Automation	MonN2-8: Intelligent Transportation Systems	MonN2-9: Big Data Analysis, Compressed Sampling and Visualization	MonN2-10: Intelligent Optimization and Applications	
18:00 - 19:30	Dinner										

Tuesday, June 14, 2016

Room	Pearl + Jade Hall （明珠+翡翠厅）	Yangshuo + Lingui Hall （阳朔+临桂厅）
08:30 - 09:30	Semi-plenary 1: Distributed Fault Detection and Isolation for Multi-Agent Systems Using Relative Information by Jie Chen (BIT) (Chair: Derong Liu)	Semi-plenary 2: Intelligence in the Cyber-Physical Revolution by Cesare Alippi (Chair: Xinpin Guan)
09:30 - 10:00	Coffee break	
10:00 - 11:00	Semi-plenary 3: Optimal Control Using Adaptive Dynamic Programming: Fundamental Theory and New Development by Huaguang Zhang (Chair: Yaochu Jin)	Semi-plenary 4: Data Analytics Challenges in Biomedical Engineering by Don Wunsch (Chair: Zhong-Ping Jiang)
11:00 - 12:00	Semi-plenary 5: Quasi-linear Systems with Spacecraft Control Applications by Guangren Duan (Chair: Yangmin Li)	Semi-plenary 6: Controlling Physical Human-Robot Interaction by Milos Zefran (Chair: Dongbin Zhao)
12:00 - 13:30	Lunch break	

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13:30 - 15:30	TueN1-1: Modeling, Identification and Control of Distributed Parameter Systems (DPS)	TueN1-2: Quantum Control and Quantum Cybernetics	TueN1-3: Application Oriented Image Analysis in Robot Vision and Machine Vision	TueN1-4: TJ Tarn Best Theoretical Paper Award	TueN1-5: TJ Tarn Best Application Paper Award	TueN1-6: TJ Tarn Best Student Paper Award	TueN1-7: Steve and Rosalind Hsia Best Biomedical Paper Award	TueN1-8: SUPCON Best Paper Award on Industrial Automation	TueN1-9: Mobile Robots	TueN1-10: Service Robots and Intelligent Society	P2: Poster Session 2
15:30 - 15:50	Coffee break										
15:50 - 17:50	TueN2-1: Modeling, Control and Optimization of Electrical Traction System in High-speed	TueN2-2: Application Oriented Image Analysis in Robot Vision and Machine Vision	TueN2-3: Control and Filtering for Distributed Networked Systems	TueN2-4: Control Systems	TueN2-5: System Modeling and Networked Control Systems	TueN2-6: Computational Intelligence and Applications	TueN2-7: Pattern Recognition, Image Processing, Machine Learning	TueN2-8: Fuzzy Systems and Neural Networks	TueN2-9: Intelligent Automation Systems	TueN2-10: Intelligent Robots and Brain-like Intelligence	
18:00 - 19:30	Dinner										

Room	Pearl Hall （明珠厅）	Yangshuo Hall （阳朔厅）
19:30 - 21:30	论坛1：如何做好科研？（主持人：乔红）关新平、郭雷（北航）、姜钟平、阳春华	论坛2：基金委、国际杂志、国际学术组织（主持人：刘德荣）柴天佑、陈俊龙、金耀初

Wednesday, June 15, 2016

Time										
08:30 - 09:30	Plenary 3: Compressive Feedback Control: Theory and Applications by Ning Xi (Chair: Hong Qiao)									
09:30 - 10:00	Coffee break									
10:00 - 12:00	"Research Trend of Control and Automation" plenary panel with panelists: Ji-feng Zhang, Ning Xi, Gary Feng, Tong Zhou, and Tielong Shen (Chairs: Jie Huang, Zhongsheng Hou, and Xinping Guan)									
12:00 - 13:30	Lunch break									

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13:30 - 15:30	WedN1-1: Autonomous Control of Unmanned Aircraft Systems	WedN1-2: Computational Intelligence Based Data-driven Modeling, Optimization and Control	WedN1-3: Modeling, Control and Optimization in Air Transportation system	WedN1-4: Linear Systems and Control	WedN1-5: Computational Intelligence and Applications	WedN1-6: Optimization for Decision Making Systems	WedN1-7: Control Theory	WedN1-8: Intelligent Robots and Brain-like Intelligence	WedN1-9: Data-based System Performance Analysis	WedN1-10: Complex Networks	P3: Poster Session 3
15:30 - 15:50	Coffee break										
15:50 - 17:50	WedN2-1: Operator Based Robust Nonlinear Control and Its Application	WedN2-2: Real-time Computing, Perception, Decision, and Interaction for Autonomous Robots and Robot Operating System	WedN2-3: Quantum Control and Quantum Cybernetics	WedN2-4: Application Oriented Image Analysis in Robot Vision and Machine Vision	WedN2-5: Computational Intelligence and Applications	WedN2-6: Pattern Recognition, Image Processing, Machine Learning	WedN2-7: Sensors, Sensor Networks, Sensing and Signal Processing	WedN2-8: Industrial Robots and Intelligent Manufacturing	WedN2-9: Unmanned Aerial Vehicles and Autonomous Systems	WedN2-10: Optimal Control	

18:00 - 20:00	Award banquet and WCICA 2018
	TJ Tarn Best Theoretical Paper Award, TJ Tarn Best Application Paper Award, TJ Tarn Best Student Paper Award
	Best Poster Paper Award, Steve and Rosalind Hsia Best Biomedical Paper Award
	SUPCON Best Paper Award on Industrial Automation, He-Pan-Qing-Yi Best Paper Award
	Invitation from WCICA 2018 (Yunhui Liu)