



## MEETING AGENDA

Note: All schedules will be scheduled in Beijing Time

## Day 1 | November 3rd, 2023, Friday

### Sign-in and Materials Collection | 会议现场签到以及资料领取

 Location: Lobby of EVEN Hotel | 苏州古运河逸衡酒店大堂

10:00–17:00	1	<ul style="list-style-type: none"> <li>Tell the staff your <b>Paper ID</b>.</li> <li>告知工作人员您的文章/听众编号</li> </ul>
	2	<ul style="list-style-type: none"> <li>Sign your name in the attendance list and check meal information.</li> <li>在签到表签字并反馈用餐信息</li> </ul>
	3	<ul style="list-style-type: none"> <li>Check your conference kit, which includes conference bag, name tag, meal voucher, conference program, the receipt of the payment, the USB of paper collection.</li> <li>确保您收集齐以下会议资料：会议包，代表证，餐券，会议日程以及会议文章U盘。</li> </ul>

### ZOOM Test for Online Participants | 线上参会人员签到与测试

14:00–15:00	<p>Meeting ID: 867 5371 7276</p> <p>(Link: <a href="https://us02web.zoom.us/j/86753717276">https://us02web.zoom.us/j/86753717276</a>)</p>
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## Day 2 | November 4th, 2023, Saturday

### Opening Ceremony | 会议开幕式

 Location: Library in Suzhou University of Science and Technology | 苏州科技大学图书馆

Zoom ID: 867 5371 7276 | <https://us02web.zoom.us/j/86753717276>

Chaired by: Prof. Fuyuan Hu, Suzhou University of Science and Technology, China

09:00-09:05	<b>Welcome Regards from Leader of Organizer</b>
09:05-09:10	<b>Opening Remarks from Conference Chair</b> Prof. Bin Jiang, Nanjing University of Aeronautics and Astronautics, China



## Plenary Speech & Keynote Speech | 大会报告

09:10 -09:55	<b>Plenary Speech</b> Prof. Biao Huang, University of Alberta, Canada
	<i>Speech Title: The Role of Data Analytics and Machine Learning in Process Automation and Control</i>
09:55-10:40	<b>Plenary Speech</b> Prof. I-Ming Chen, Nanyang Technological University, Singapore
	<i>Speech Title: Perception and Learning in Intelligent Manufacturing and Warehouse Automation Systems</i>
10:40-11:00	Group Photo & Coffee Break 
Chair by Prof. Bin Jiang, Nanjing University of Aeronautics and Astronautics, China	
11:00-11:30	<b>Keynote Speech</b> Prof. Yuanqing Xia, Beijing Institute of Technology, China
	<i>Speech Title: Finite Time and Cooperative Control of Flight Vehicles</i>
11:30-12:00	<b>Keynote Speech</b> Prof. Zhigang Zeng, Huazhong University of Science and Technology, China
	<i>Speech Title: Research on Cooperative Control of Non-Ideal Multiagent Systems</i>
12:00-13:30	Lunch Time  [Location: 石湖三食堂] Note: Lunch coupon is needed. Please enter the restaurant around 12:10 pm.
<b>Plenary Speech &amp; Keynote Speech   大会报告</b>	
Chair by Assoc.Prof. Hongtian Chen, Shanghai Jiao Tong University, China	
13:30-14:15	<b>Plenary Speech</b> Prof. Zhiwu Li, Xidian University, China
	<i>Speech Title: Optimal Deadlock Control of Automated Manufacturing Systems Using Petri Nets: A Reachability Graph Approach</i>
14:15-15:00	<b>Plenary Speech</b> Prof. Carla Seatzu, University of Cagliari, Italy
	<i>Speech Title: State Estimation of Partially Observed Discrete Event Systems Under Attack</i>
15:00-15:30	<b>Keynote Speech</b> Prof. Huaicheng Yan, East China University of Science and Technology, China
	<i>Speech Title: TBA</i>
15:30-15:50	Coffee Break 



Chair by Prof. Hongjie Wu, Suzhou University of Science and Technology, China	
15:50-16:20	<b>Keynote Speech</b> Prof. Jun Zhao, Dalian University of Technology, China <i>Speech Title: Collaborative Control and Optimization of Industrial Multi-Energy Flows Prompts the Carbon-Neutral Strategy</i>
	<b>Keynote Speech</b> Prof. Youqing Wang, Beijing University of Chemical Technology, China <i>Speech Title: State Monitoring of Industrial Systems Based on Multivariate Statistics and Deep Learning</i>
16:20-16:50	<b>Keynote Speech</b> Prof. Guanghui Wen, Southeast University, China <i>Speech Title: Distributed Consensus and Optimization of Multi-Agent Systems with Switching Communication Graphs</i>
	<b>Keynote Speech</b> Assoc. Prof. Hongtian Chen, Shanghai Jiao Tong University, China <i>Speech Title: Transfer Learning-motivated Intelligent Fault Diagnosis Designs: A Survey, Insights, and Perspectives</i>
16:50-17:20	<b>Keynote Speech</b> Prof. Guanghai Wen, Southeast University, China <i>Speech Title: Distributed Consensus and Optimization of Multi-Agent Systems with Switching Communication Graphs</i>
	<b>Keynote Speech</b> Assoc. Prof. Hongtian Chen, Shanghai Jiao Tong University, China <i>Speech Title: Transfer Learning-motivated Intelligent Fault Diagnosis Designs: A Survey, Insights, and Perspectives</i>
17:20-17:50	<b>Keynote Speech</b> Assoc. Prof. Hongtian Chen, Shanghai Jiao Tong University, China <i>Speech Title: Transfer Learning-motivated Intelligent Fault Diagnosis Designs: A Survey, Insights, and Perspectives</i>
	<b>Keynote Speech</b> Assoc. Prof. Hongtian Chen, Shanghai Jiao Tong University, China <i>Speech Title: Transfer Learning-motivated Intelligent Fault Diagnosis Designs: A Survey, Insights, and Perspectives</i>
From 18:30	Banquet Time  [苏州古运河逸衡酒店创想空间 3] Dinner coupon is needed for entering the restaurant.

## Day 3 | November 5th, 2023, Sunday

### Young Scholars Forum | 青年学者论坛



Conference Venue: EVEN Hotel | 苏州古运河逸衡酒店-创想空间 3

Chair by Prof. Ze Li, Suzhou University of Science and Technology, China

08:30-08:50	Prof. Qiang Miao, Sichuan University, China <i>Speech Title: Anomaly Detection of Aircraft Safety Critical System Using Multi-dimensional Flight Parameters</i>
	Prof. Xiao-Hu Zhou, Institute of Automation, Chinese Academy of Sciences, China <i>Speech Title: Intelligent Perception and Skill Learning of Vascular Robotics</i>
08:50-09:10	Prof. Xiuxian Li, Tongji University, China <i>Speech Title: Cooperative Control, Online Optimization and Game for Multi-Agent Unmanned Systems</i>
	Prof. Shunyi Zhao, Jiangnan University, China <i>Speech Title: Position Estimation of Pipe Jacking Machine Using Unbiased Impluse Response Filters</i>
09:10-09:30	Prof. Xiuxian Li, Tongji University, China <i>Speech Title: Cooperative Control, Online Optimization and Game for Multi-Agent Unmanned Systems</i>
	Prof. Shunyi Zhao, Jiangnan University, China <i>Speech Title: Position Estimation of Pipe Jacking Machine Using Unbiased Impluse Response Filters</i>
09:30 -09:50	Prof. Shunyi Zhao, Jiangnan University, China <i>Speech Title: Position Estimation of Pipe Jacking Machine Using Unbiased Impluse Response Filters</i>
	Prof. Shunyi Zhao, Jiangnan University, China <i>Speech Title: Position Estimation of Pipe Jacking Machine Using Unbiased Impluse Response Filters</i>



09:50-10:10	Prof. Junkang Ni, Northwestern Polytechnical University, China
	<i>Speech Title: Fixed-time Control of Constrained Nonlinear System</i>
10:10-10:30	Coffee Break 
10:30-10:50	Assoc. Prof. Jian Liu, Southeast University, China
	<i>Speech Title: Event-Based Fixed/Predefined-Time Cooperative Control</i>
10:50-11:10	Assoc. Prof. Shuiqing Xu, Hefei University of Technology, China
	<i>Speech Title: Simultaneous Diagnosis Method for Power Switch and Sensor Faults in Power Converters</i>
11:10-11:30	Prof. Xin Peng, East China University of Science and Technology, China
	<i>Speech Title: Performance Assessment and Self-healing Control of Abnormal Operating Conditions in Urban Wastewater Treatment Processes</i>
11:30-11:50	Prof. Shaojiang Dong, Chongqing Jiaotong University, China
	<i>Speech Title: Design and Engineering Application of Intelligent Inspection Robot System for Bridge, Tunnel and Culvert</i>
11:50-12:10	Assoc. Prof. Chao Ma, University of Science and Technology Beijing, China
	<i>Speech Title: Intelligent Manipulation and Skill Learning of Robots</i>
12:10-13:30	Lunch Time  [苏州古运河逸衡酒店衡食餐厅] Note: Lunch coupon is needed for entering the restaurant.

### Author Parallel Sessions | 作者平行分会报告

13:30-15:30	Special Session 1 <span style="float: right;">[创想空间 1]</span> Estimation and Control of Complex System ST008, ST020, ST024-A, ST040, ST047, ST095, ST115
	Special Session 2 <span style="float: right;">[创想空间 2]</span> Data-Driven Fault Diagnosis, Control, and Optimization in Modern Industrial Systems ST019, ST027, ST034, ST056, ST041, ST052, ST101, ST116
	Special Session 3 <span style="float: right;">[创想空间 3]</span> Advances in Machine Learning and Deep Learning: Algorithms, Theory, and Applications in Modern Industrial Systems ST026, ST032, ST046, ST050, ST037, ST051, ST038, ST081
	Special Session 4 <span style="float: right;">[创想空间 4]</span> Advanced Fault-Tolerant Control and PHM Techniques for Industrial Systems ST033, ST036, ST042, ST043, ST085, ST039, ST066, ST089
	Poster Session 1 Visual Based Intelligent Control System and Monitoring Technology ST002, ST004, ST009, ST031, ST022, ST061, ST068, ST069, ST088, ST100, ST108
	Online Session <span style="float: right;">[Zoom ID: 867 5371 7276]</span> Intelligent Robot and Automation Control System



	ST504, ST510, ST508, ST057, ST106, ST014, ST103, ST003, ST110, ST053, ST114
15:30-15:50	Coffee Break 
15:50-18:05	Special Session 5 [创想空间 1] Neural Control, Advanced Learning and Intelligent Robotics ST028, ST035, ST044, ST029, ST086-A, ST012, ST048, ST059
	Onsite Session 1 [创想空间 2] High Reliability Control, Performance Evaluation, and Optimization of Network Systems ST105, ST045, ST087, ST107, ST097, ST016, ST084, ST030, ST062
	Onsite Session 2 [创想空间 3] Reliability Modeling and Optimal Control of Complex Systems ST049, ST102, ST503-A, ST010, ST021, ST094, ST099, ST109, ST512
	Poster Session 2 Robot Structure Design and Unmanned System Control ST058, ST060, ST080, ST090, ST092, ST005, ST017, ST065, ST098, ST007,
From 18:15	Banquet Time  [苏州古运河逸衡酒店创想空间 3] Dinner coupon is needed for entering the restaurant.