

PART 4.

大会日程

Agenda





2025年11月27日 November 27, 2025	
地点：宁波赛思学术会堂1楼大堂 Venue: Lobby, 1st Floor, Ningbo Saisi Academic Hall	
时间 Time	活动 Activity
14:00-17:00	报到注册 On-site Registration
2025年11月28日 November 28, 2025	
地点：中国科学院宁波材料技术与工程研究所知行楼1楼 Venue: 1st Floor, Zhixing Building, Ningbo Institute of Materials Technology & Engineer of Sciences, CAS, China	
08:30-09:00	报到注册 On-site Registration
主持人：方灶军 研究员，中国科学院宁波材料技术与工程研究所 Chair: Prof. Zaojun Fang, Ningbo Institute of Materials Technology & Engineer of Sciences, CAS, China	
09:00-09:05	开幕式 Opening Ceremony
09:05-09:15	主办方领导致辞：张驰 研究员，中国科学院宁波材料技术与工程研究所副所长 Opening Remarks by Authority Leadership: Prof. Chi Zhang, Deputy Director, Ningbo Institute of Materials Technology & Engineer of Sciences, CAS, China
09:15-09:25	大会主席致辞：杨桂林 研究员，中国科学院宁波材料技术与工程研究所 Opening Remarks by Conference Chair: Prof. Guilin Yang, Ningbo Institute of Materials Technology & Engineer of Sciences, CAS, China
主持人：尹海斌 教授，武汉理工大学 Chair: Prof. Haibin Yin, Wuhan University of Technology, China	
09:25-10:00	Plenary Speaker 1: 黄含 教授，中山大学 Prof. Han Huang, Sun Yat-sen University, China <i>"Empowering Advanced Manufacturing through AI Technologies"</i>

时间 Time	汇报信息 Report Information
10:00-10:35	Plenary Speaker 2: 年珩 教授，浙江大学 Prof. Heng Nian, Zhejiang University, China <i>“Stable Operation and Optimal Control of Doubly Fed Wind Power Generator”</i>
10:35-10:55	合影留念、茶歇、海报展示 Group Photo & Coffee Break & Poster Display
主持人：冯仰刚 副教授，北京航空航天大学 Chair: Assoc. Prof. Yanggang Feng, Beihang University, China	
10:55-11:30	Plenary Speaker 3: 陶波 教授，华中科技大学 Prof. Bo Tao, Huazhong University of Science and Technology, China <i>“Technology and Application of Climbing Mobile Machining Robot”</i>
11:30-12:05	Plenary Speaker 4: 管贻生 教授，广东工业大学 Prof. Yisheng Guan, Guangdong University of Technology, China <i>“Modeling, Analysis and Applications of Airbags as Driving Units of Soft Robots”</i>
12:05-14:00	午餐、休息 Lunch & Break

分论坛一
Parallel Session One

2025年11月28日 November 28, 2025	
分论坛一：智能机械自动化及装备创新技术国际研讨会	
Parallel Session One: International Symposium on Intelligent Mechanical Automation and Equipment Innovation Technology	
地点：知行楼1楼【学思会堂】 Venue: Xuesi Hall, 1st Floor, Zhixing Building	
主持人：朱本亮 教授，华南理工大学	
Chair: Prof. Benliang Zhu, South China University of Technology, China	
时间 Time	汇报信息 Report Information
14:00-14:15	Reporter 1: 刘琪，武汉理工大学 Qi Liu, Wuhan University of Technology, China <i>“Research on error compensation of dual drive feed system based on improved genetic algorithm”</i>
14:15-14:30	Reporter 2: 刘成浩，国防科技大学 Chenghao Liu, National University of Defense Technology, China <i>“Design of Active Simulation Equipment for Radar Targets Based on Neural Network”</i>
14:30-14:45	Reporter 3: 张慧娟，浙大宁波理工学院 Huijuan Zhang, NingboTech University, China <i>“Improved YOLOv8-Based Monocular Visual Recognition Method for Pallets”</i>
14:45-15:00	Reporter 4: 刘善怡，浙江理工大学 Shanyi Liu, Zhejiang Sci-Tech University, China <i>“Mechanism design and theoretical analysis of a parallel wall-climbing robot for machining of large complex workpieces”</i>
15:00-15:15	Reporter 5: 张永权，武汉理工大学 Yongquan Zhang, Wuhan University of Technology, China <i>“A Vision-Guided Hybrid Force Control Strategy for Robotic Hexagonal Nut Cap Assembly”</i>

时间 Time	汇报信息 Report Information
15:15-15:30	Reporter 6: 张国龙, 宁波大学 Guolong Zhang, Ningbo University, China <i>“Design and control for a 3-DOF robotic force-controlled end-effector”</i>
15:30-15:45	茶歇、海报展示 Coffee Break & Poster Presentation
主持人: 郑天江 高级工程师, 中国科学院宁波材料技术与工程研究所 Chair: Senior Engineer Tianjiang Zheng, Ningbo Institute of Materials Technology & Engineer of Sciences, CAS, China	
15:45-16:00	Reporter 7: 卢红, 武汉理工大学 Hong Lu, Wuhan University of Technology, China <i>“Research on Torque-Based Bolt Removal Identification Algorithm”</i>
16:00-16:15	Reporter 8: 朱志郢, 东华大学 Zhiying Zhu, Donghua University, China <i>“Adaptive Iterative Learning-Based Waveform Replication Control”</i>
16:15-16:30	Reporter 9: 段忠兵, 山东大学 Bingzhong Duan, Shandong University, China <i>“Design of Fruit Sorting System Based on PLC”</i>
16:30-16:45	Reporter 10: 黄娅, 宁波大学 Ya Huang, Ningbo University, China <i>“A Novel Stick-slip Rotary Stage Driven by Macro Fiber Composite”</i>
16:45-17:00	Reporter 11: 许会林, 江西水利电力大学 Huilin Xu, Jiangxi University of Water Resources and Electric Power, China <i>“Design of a symmetrical piezoelectric microgripper based on parallel Scott-Russell and differential lever amplification mechanisms”</i>

时间 Time	汇报信息 Report Information
17:00-17:15	Reporter 12: 孙继宇, 北京航空航天大学 Jiyu Sun, Beihang University, China <i>“Adaptive Admittance Control of Robot Joints Based on LSTM Network Optimization”</i>
17:15-17:30	Reporter 13: 赵德龙, 广东工业大学 Delong Zhao, Guangdong University of Technology, China <i>“Embedding Remote Center of Motion Constraints into Robotic Manipulator Control via Recurrent Neural Networks”</i>
17:30-17:45	Reporter 14: 罗竞波, 中国科学院宁波材料技术与工程研究所 Jingbo Luo, Ningbo Institute of Materials Technology & Engineering, CAS, China <i>“Non-Geometric Kinematic Error Estimation of the Articulated Robot Using Kernel Ridge Regression”</i>
18:45-20:00	颁奖、晚宴 Awarding Ceremony & Banquet

分论坛二
Parallel Session Two

2025年11月28日 November 28, 2025

分论坛二：电子信息工程与智能感知技术国际研讨会

Parallel Session Two: International Symposium on Electronic Information Engineering and
Intelligent Sensing Technologies

地点：知行楼1楼【材思会议室】 Venue: Caisi Room, 1st Floor, Zhixing Building

主持人：陈思鲁 研究员，中国科学院宁波材料技术与工程研究所

Chair: Prof. Silu Chen, Ningbo Institute of Materials Technology & Engineer of Sciences,
CAS, China

时间 Time	汇报信息 Report Information
14:00-14:15	Reporter 1: 倪俊涛，宁波大学 Juntao Ni, Ningbo University, China <i>“Self-calibration identification method for rotary axis geometric errors based on tower-shaped workpiece”</i>
14:15-14:30	Reporter 2: 侯丰，迪肯大学 Feng Hou, Deakin University, Australia <i>“Energy efficiency and performance balanced improvement regulation for hybrid additive manufacturing associated with micro rolling based on industrial metabolism”</i>
14:30-14:45	Reporter 3: 彭博，上海交通大学 Bo Peng, Shanghai Jiao Tong University, China <i>“Microstructure and Mechanical Property of Thin-Walled Inconel 718 Parts Fabricated by Ultrasonic-Assisted Laser-Directed Energy Deposition”</i>
14:45-15:00	Reporter 4: 任明将，宁波大学 Mingjiang Ren, Ningbo University, China <i>“Research on the Forming Mechanism and Applications of Flexible Piezoelectric Composite Micro/Nano Structures”</i>

时间 Time	汇报信息 Report Information
15:00-15:15	Reporter 5: 黎章杰, 武汉理工大学 Zhangjie Li, Wuhan University of Technology, China <i>“Research on Selective Maintenance Strategy of Equipment Based on Improved Genetic Algorithm”</i>
15:15-15:30	Reporter 6: 肖若虚, 宁波诺丁汉大学 Ruoxu Xiao, The University of Nottingham-Ningbo, China <i>“3D Object Detection Method Based on Semi-Supervised Learning in Complex Traffic Environments”</i>
15:30-15:45	茶歇、海报展示 Coffee Break & Poster Presentation
主持人: 孙先涛 副教授, 安徽大学 Chair: Assoc. Prof. Xiantao Sun, Anhui University, China	
15:45-16:00	Reporter 7: 马文慧, 宁波大学 Wenhui Ma, Ningbo University, China <i>“Preparation and Application of Flexible Piezoelectric-Magnetoelectric Coupled Sensors Based on Self-Assembled Microstructures”</i>
16:00-16:15	Reporter 8: 李诗玄, 华中科技大学 Shixuan Li, Huazhong University of Science and Technology, China <i>“Penetration fluctuation monitoring of aluminumcopper laser lap welding based on optical coherence tomography and spectral signals”</i>
16:15-16:30	Reporter 9: Md Zakirul Islam, Ningbo Institute of Materials Technology & Engineering, CAS, China <i>“Optimization of Structures Using the BESO Method to Minimize the Volume with Compliance Constraint”</i>
16:30-16:45	Reporter 10: 陈炫宇, 广东工业大学 Xuanyu Chen, Guangdong University of Technology, China <i>“Differentiable Collision-Avoidance Gradient-Driven Continuous Trajectory Optimization in Autonomous Mobile Robots”</i>

时间 Time	汇报信息 Report Information
16:45-17:00	Reporter 11:黎章杰， 武汉理工大学 Zhangjie Li, Wuhan University of Technology, China <i>“Research on Storage Optimization Based on Spare Parts Protection Levels and Physical Characteristics”</i>
17:00-17:15	Reporter 12: 张永权， 武汉理工大学 Yongquan Zhang, Wuhan University of Technology, China <i>“Feature Extraction and Missing Condition Identification of Flange Connection Bolts Based on Structured Light Technology”</i>
17:15-17:30	Reporter 13: 姜娇英， 中国科学院宁波材料技术与工程研究所 Jiaoying Jiang, Ningbo Institute of Materials Technology & Engineering, CAS, China <i>“Design and Sensitivity Analysis of Strip AT-Cut Quartz Force Sensors for Multi-Axis Robotic Applications”</i>
17:30-17:45	Reporter 14: 白小洁， 宁波大学 Xiaojie Bai, Ningbo University, China <i>“Structural Design and Analysis of Piezoelectric Objective Lens Actuator”</i>
18:45-20:00	颁奖、晚宴 Awarding Ceremony & Banquet