

日期	时间	日程	地点
4月20日	全天	会议报到	主楼大厅
	19:00-20:30	中国图学学会智能工厂专业委员会工作会议	主楼307会场
4月21日	8:30-8:50	开幕式	黄埔厅
	8:50-9:10	合影	
	9:10-12:00	大会主题报告	黄埔厅
	12:00-14:00	午餐+午休	
	14:00-17:00	大会主题报告	黄埔厅
	18:00-20:00	晚宴	
4月22日	8:30-10:30	邀请报告	主楼206/307/308/309
	10:45-12:15	会议论文报告	主楼206/307/308/309
	12:15-13:30	午餐+午休	
	13:30-15:15	会议论文报告	主楼307/308/309
	15:30-17:00	智能工厂校企融合开放论坛	主楼307
		智能工厂AI+制造学术沙龙	主楼308
17:15-19:00	晚餐		

日期	时间	报告人	单位	题目	主持人
4月21日	8:30-8:50	开幕式			Yingguang Li
	8:50-9:10	合影			
	9:10-9:40	Lihui Wang	KTH Royal Institute of Technology	AI, Robots and Humans –A Futuristic Perspective	Weiming Shen
	9:40-10:10	Jozsef Vancza	Hungarian Research Network	Generic approach to developing autonomous robotic systems in manufacturing	
	10:10-10:30	茶歇			
	10:30-11:00	Weimin Shen	Huazhong University of Science and Technology	Industrial Foundation Models and their Potential Applications in Intelligent Manufacturing	Kai Tang
	11:00-11:30	Wenping Mou	Chengdu Aircraft Industry Group Co., LTD	Research and application of intelligent manufacturing technology for high-precision and efficient processing of aviation parts	
	11:30-12:00	Guido Link	Karlsruhe Institute of Technology	Electrification of Process Heat by use of High-Power Microwave Technology	
	12:00-14:00	午餐+午休			
	14:00-14:30	Kai Tang	Hong Kong University of Science and Technology (Guangzhou)	Process planning of hybrid manufacturing of complex metal workpieces	James Gao
	14:30-15:00	Yingguang Li	Nanjing University of Aeronautics and Astronautics	Learning Neural Operator on Riemannian Manifolds	
	15:00-15:30	Charyar MEHDI-SOUZANI	Paris-Saclay University	Metrology 4.0 a Key concept to drive to process based on data in the context of smart factory	
	15:30-16:00	茶歇			
	16:00-16:30	Yan Jin	Queen's University Belfast	Advanced Manufacturing Empowered by Parallel Kinematic Machines	Zhigang Dong
	16:30-17:00	Nabil Anwer	Paris-Saclay University	Skin Model Shapes: Challenges, opportunities and future directions for Computational Geometrical Product Specifications and Verification	
18:00-20:00	晚宴				

日期	时间	报告人	单位	题目	主持人
4月22日	8:30-8:50	Wenlei Xiao	Beihang University	Manufacturing Crisis and Twin-oriented Manufacturing	Congbin Yang
	8:50-9:10	Jiewu Leng	Guangdong University of Technology	Digital twins-based variant design of open architecture assembly line	
	9:10-9:30	Pengcheng Hu	Hong Kong University of Science and Technology (Guangzhou)	Deep learning-enabled modelling technologies in CNC machining	
	9:30-9:50	Pai Zheng	Hong Kong Polytechnic University	An Exploration of Vision-language Model Enabled Approach for Achieving Mutual Cognitive Human-Robot Collaboration	
	9:50-10:10	Bin Luo	Northwestern Polytechnical University	Intelligent Testing Technology for Sealing and Reliability of Aircraft Components	
	10:10-10:30	Yiwei Wang	Beihang University	Manufacturing and Services driven by Industrial Intelligence: Research and Practice	
	10:30-10:45	茶歇			
	10:45-11:00	Zhiqiang Liu	Sichuan University, University of Electronic Science and Technology of China	Logistic mapping multi-layer extreme learning machine-based delamination prediction method for carbon fiber-reinforced plastic drilling	Weicheng Guo
	11:00-11:15	Tianze Qiu	Beihang University	An efficient online cutting simulation algorithm for real-time CNC machining process using look-ahead method	
	11:15-11:30	Yifan Zhang	Nanjing University of Aeronautics and Astronautics	Residual Stress Fields inference based on Latent Gaussian process using the Structured-Covariances-Represented-Prior	
	11:30-11:45	Sen Mu	Southwest Jiaotong University	Multiple time-series memory body multi-GRU cells thermal error model considering hysteresis effect with mayfly optimization	
	11:45-12:00	Yongqi Wang	Beijing University of Technology, Jilin University	Research on spatiotemporal fault propagation mechanism of CNC machine tools considering multi-factor coupling influence	
	12:00-12:15	Yi Yang	Nanjing University of Aeronautics and Astronautics	Machining deformation control method of rotary parts driven by data, causality, and mechanism	
	12:15-13:30	午餐+午休			
	13:30-13:45	Hongwei Sun	Huazhong University of Science and Technology	High accuracy material removal model for robotic compliant grinding of complex curved parts based on mechanism and small sample data-driven method	Zhou Chen
	13:45-14:00	Yunfei Ma	Xi'an Jiaotong University	FDKG-LLM: A Novel End-to-End Mechanical Product Fault Diagnostic Reasoning Framework based on Knowledge Graph Enhanced Large Language Model	
	14:00-14:15	Guangxu Li	Nanjing University of Aeronautics and Astronautics	Tool breakage monitoring driven by the real-time predicted spindle cutting torque using spindle servo signals	
	14:15-14:30	Yue Zheng	Southwest Jiaotong University	Transfer Learning-based Thermal Error Prediction of Machine Tools Spindle with Attention Mechanism	
	14:30-14:45	Yiru Chen	Tsinghua University	Development of a cascaded multitask physics-informed neural network (CM-PINN) to construct the multi-physical field model of rubber bushing press fitting	
	14:45-15:00	Yong Wang	Intelligent Manufacturing Longcheng Laboratory	A Magnetic Temperature Measurement Solution Based on High Thermal Conductivity	
15:00-15:15	Di Gan	Nanjing University of Aeronautics and Astronautics	Parameters estimation for predicting the cure-induced distortion based on online measurement of free flexing of CFRP laminate		
15:15-15:30	茶歇				
15:30-17:30	Open Session: The Integration of University and Industry on Intelligent Factory				Hui Cheng
	Jianhua Yu				
	Congbin Yang				
	Qing Wang				
	Shaokun Zhang				
	Yanqiang Liu				
	Yan Zhang				
Kaike Yang					

日期	时间	报告人	单位	题目	主持人	
4月22日	8:30-8:50	Fei Ren	Shanghai Aerospace Equipment Manufacture Co., Ltd.	High-precision and efficiency measurement with large-field-of-view for large-scale aerospace components	Bing Wang	
	8:50-9:10	Jinting Xu	Dalian University of Technology	Research and Practical Applications of CNC/Robot Intelligent Manufacturing Unit Technology and CAM System Development		
	9:10-9:30	Yun Yang	Northwestern Polytechnical University	A cutting tool filled with lattice structures and particle for passive vibration suppression		
	9:30-9:50	Xiaowei Tang	Huazhong University of Science and Technology	Robot milling technology and equipment		
	9:50-10:10	Xiaojian Liu	Zhejiang University	Key technologies for digital design of 5-axis machine tool		
	10:10-10:30	Lufeng Chen	University of Electronic Science and Technology of China	Exploring Challenges and Opportunities of Upper-limb Wearable Robots in Industrial and Rehabilitation Settings		
	10:30-10:45	茶歇				
	10:45-11:00	Junming Fan	The Hong Kong Polytechnic University	A Vision-based Human Digital Twin Modelling Approach for Adaptive Human-Robot Collaboration	Jinhua Xiao	
	11:00-11:15	Zhaoting Yuan	China Academy of Engineering Physics	Design of a Real time Monitoring System for Production Workshops with Multi maturity Digital Twins		
	11:15-11:30	Lei Tie	Nanjing University of Aeronautics and Astronautics	A hybrid measurement-inferencing approach for modelling residual stress field based on heteroscedastic latent Gaussian process		
	11:30-11:45	Changjian Jiang	Northwestern Polytechnical University	Attention-SP-LSTM-FIG: An explainable neural network model for productivity prediction in aircraft final assembly lines		
	11:45-12:00	Daiyu Jia	Beihang University	Intelligent detection of large cylindrical parts assembly state aided-by visual algorithm and wearable device		
	12:00-12:15	Siyin Chen	AVIC Manufacturing Technology Institute	Instruction Execution Scheduling Model for Intelligent Production Lines		
	12:15-13:30	午餐+午休				
	13:30-13:45	Shuang Meng	Beihang University	Positioning Performance Evaluation and Corrective Installation for Reconfigurable Assembly Fixtures Based on Geometric Constraints	Shuting Liu	
	13:45-14:00	Jianbing Zhao	Northwestern Polytechnical University	An Intelligent Factory Model for Realizing Smart Manufacturing in Aero-Engine Production		
	14:00-14:15	Lin Chen	AVIC Chengdu Aircraft Industrial (Group) Co., Ltd.	Research on Manufacturing Resource Management and Control for the Production Site of Complex Products		
	14:15-14:30	Qi Guo	Beihang University, The 29th Research Institute of China Electronics Technology Group Corporation	Large Language Model Based Human-Robot Collaboration for Aerospace Wire Harness Assembly		
	14:30-14:45	Xuexin Zhang	Beihang University	Online process data-driven robotic milling stability modeling for distributed assembly interfaces of large-scale components		
	14:45-15:00	Chang Yu	Tsinghua University	A novel method of multitarget augmented reality assembly result inspection for large complex scenes		
15:00-15:15	Zexin Zhu	Nanjing University of Aeronautics and Astronautics	A microwave resonance thin-film sensor for real-time wireless temperature monitoring in composites manufacturing			
15:15-15:30	茶歇					
15:30-17:30	Academic Salon: AI + Manufacturing of Intelligent Factory				James Gao	
	Libui Wang					
	Jozsef Vancza					
	Nabil Anwer					
	Kai Tang					
Yan Jin						
Charyar MEHDI-SOUZANI						

日期	时间	报告人	单位	题目	主持人
4月22日	8:30-8:50	Jun Zhang	Xi'an Jiaotong University	Intelligent monitoring of the machining process of the high-valued parts	Ruisong Jiang
	8:50-9:10	Wei Wang	University of Skövde	Laser Welding Applications for Electric Vehicle Manufacturing	
	9:10-9:30	Xiaohui Jiang	University of Shanghai for Science and Technology	Investigation of residual stress active control method based on stress corrosion resistance optimization of thin-walled parts	
	9:30-9:50	Xiaojun Yang	Northwestern Polytechnical University	Dynamic electromechanical coupling of the feed system in the high-speed machine tools	
	9:50-10:10	Xin Gao	AVIC Manufacturing Technology Institute	The "Soft Power" Behind Intelligent Manufacturing of Aircraft Structural Parts	
	10:10-10:30	Maoyue Li	Harbin University of Science and Technology	Structural Light Measurement Technology for Surface Parameters of Thin walled Blade Parts	
	10:30-10:45			茶歇	
	10:45-11:00	Kaike Yang	China Academy of Engineering Physics	Research on Topology Optimization Method for Optomechanical Structures considering Shape Preserving Constraints	Bin Luo
	11:00-11:15	Jinfeng Liu	Jiangsu University of Science and Technology	A reverse modeling method for large-scale ship components based on point cloud feature stitching	
	11:15-11:30	Xingyu Zhao	Central South University, Guangxi University	A new multilevel compensation method for tooth flank deviations of worm grinding face gears	
	11:30-11:45	Lu Chen	Nanjing University of Aeronautics and Astronautics	Physics-guided high-value data sampling method for predicting milling stability with limited experimental data	
	11:45-12:00	Xiangyu Wang	Hong Kong University of Science and Technology (Guang Zhou)	A Voxel-based Orthogonal Model Decomposition for Support-free FDM	
	12:00-12:15	Zhuangyu Li	Beihang University	Efficient Additive Manufacturing: A System for Direct Wireframe Model Slicing and Visualization of Lattice Structures	
	12:15-13:30			午餐+午休	
	13:30-13:45	Canhui Lin	Nanjing University of Aeronautics and Astronautics	Parametric design and manufacturing for lightweight load-bearing structure based on digital image processing	Jing Zhou
	13:45-14:00	Haokun Chen	Hong Kong University of Science and Technology (Guangzhou)	Strategy-free autonomous tool path generation based on reinforcement learning	
	14:00-14:15	Shuyuan Chen	Nanjing University of Aeronautics and Astronautics	Multi-scale residual stress characterization based on	
	14:15-14:30	Qinglu Meng	Nanjing University of Aeronautics and Astronautics	Physics-informed neural operator for solving parametric coupled PDEs of thermochemical curing of composites	
	14:30-14:45	Zelong Liu	Harbin University of Science and Technology	Point Cloud Processing Method of Thin-walled Blades of Attached Chips for On-machine Detection with Structured Light	
	14:45-15:00	Yuchu Zou	Beijing University of Technology	Research on Region Registration Technology Based on Geometric Features (RRGF) for Point Cloud Model of Large-scale Equipment	
15:00-15:15	Qiyang Zhuang	Nanjing University of Aeronautics and Astronautics	Mechanism-informed friction-dynamics coupling GRU neural network for cutting force real-time prediction using CNC inherent servo signals		
15:15-15:30			茶歇		

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4月22日	8:30-8:50	Xiaozhong Hao	Nanjing University of Aeronautics and Astronautics	Composites Microwave curing technology	Quanli Zhang
	8:50-9:10	Jinshan Liu	Beijing Satellite Manufacturing Co., LTD	Exploration and Practice of Spacecraft Smart Manufacturing Technology	
	9:10-9:30	Yuansheng Zhou	Central South University	The Intelligent Collaboration of Gear Design and Manufacturing to Complex Gear Transmissions	
	9:30-9:50	Chongjun Wu	Donghua University	Laser-assisted grinding of Silicon Nitride ceramics with Micro-groove design	
	9:50-10:10	Xiaoqing Tian	Hefei University of Technology	Study on cooperative control mechanism of flexible topological modification tooth flank precision and texture of high-speed low-noise transmission gear	
	10:10-10:30	Dongdong Xu	Tongji University	Revealing Nanoscale Deformation Mechanisms Caused by Shear-Based Material Removal on Individual Grains of a Ni-Based Superalloy	
	10:30-10:45	茶歇			
	10:45-11:00	Meili Li	Beihang University, Beijing Institute of Precision Mechatronics and Controls	Phyformer: A degradation physics-informed self-data driven approach to machinery prognostics	Miaoxian Guo
	11:00-11:15	Zirui Gao	Beijing Institute of Technology	Chatter identification based on adaptive signal decomposition method in robotic milling	
	11:15-11:30	Binchun Zhao	Intelligent Manufacturing Longcheng Laboratory	Predictive Maintenance Strategy For Smart Factory Equipment Based on Machine Learning	
	11:30-11:45	Zhao Wang	Dalian University of Technology	A Method For Self Checking The Health Status of CNC Machine Tools Based on Multi-source Information	
	11:45-12:00	Kang Wang	Northwestern Polytechnical University	Intelligent fault diagnosis of aero-engine based on vibration	
	12:00-12:15	Shi Qiao	Dalian University of Technology, Intelligent Manufacturing Longcheng Laboratory	A Sensorless Monitoring Method for the Health Status of CNC Machine Tools Based on Multi-layer ELM	
12:15-13:30	午餐+午休				