

Intelligent Manufacturing Forum: Forging the Future of Industry

智能制造论坛：开创产业未来

Forum Handbook

论坛手册



• 西浦创业家学院（太仓），苏州 •

2026.05.29

Overview

论坛概览

本论坛汇聚学术界与工业界的领军人物，共同探讨下一代智能制造的发展趋势。通过推动人工智能、机器人与先进制造的深度融合，旨在加速工业的自主化与智能化转型。论坛将促进科研与产业的协同创新，推动前沿技术落地应用，并展示西交利物浦大学智造生态学院与工业智能体研究中心在工业数字化与智能化领域的核心能力，构建开放的创新生态，为未来制造业发展注入动力。

This forum brings together leading experts from academia and industry to explore emerging trends in next-generation intelligent manufacturing. By fostering the deep integration of artificial intelligence, robotics, and advanced manufacturing technologies, the forum aims to accelerate the transition toward autonomous and intelligent industrial systems. It will serve as a platform to promote collaborative innovation between research and industry, facilitate the translation of cutting-edge technologies into real-world applications, and showcase the core capabilities of the School of Intelligent Manufacturing Ecosystem and the Industrial Intelligent Agent Research Centre at Xi'an Jiaotong-Liverpool University (XJTLU). Through this initiative, we seek to build an open innovation ecosystem and inject new momentum into the future of manufacturing.

Objectives

论坛目的

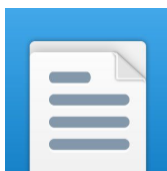
探讨人工智能技术及其与智能制造系统的深度融合
加强产业界与学术界的合作交流机制
发掘潜在的联合科研与技术开发机会
推动产学研合作项目的落地与资源对接

To explore the integration of artificial intelligence within intelligent manufacturing systems
To strengthen collaboration and exchange between academia and industry
To identify opportunities for joint research and technology development
To promote industry-academia-research collaboration and resource alignment

Registration

报名注册

请通过下方二维码报名参加：
Please submit your application via the registration qr code below:



Forum Registration

Intelligent Manufacturing Forum: Forging the Future of Industry 智能制造论坛: 开创产业未来 会议注册表

mike-x.com

MEETING AGENDA

会议流程

开幕仪式 Opening Ceremony >>>

- 08:00-09:05 ● 注册签到
Registration
- 09:05-09:20 ● 西交利物浦大学执行校长席酉民教授致辞
Remark by Prof Youmin Xi, Executive President of Xi'an Jiaotong-Liverpool University
- 09:20-09:25 ● 智造生态学院及工业智能体研究中心视频介绍
Video Introduction of the School of Intelligent Manufacturing Ecosystem and the Industrial Intelligent Agent Research Centre
- 09:25-09:30 ● 集体合照
Group Photo

 主持人Host : 黄彪教授 Prof Biao Huang

主旨报告 Keynote Speech >>>

- 09:30-10:10 ● 钱锋教授 华东理工大学
Keynote Speech by Prof Feng Qian, East China University of Science and Technology
 主持人Host : 黄彪教授 Prof Biao Huang
- 10:10-10:20 ● 茶歇
Tea Break
- 10:20-11:00 ● 许人东博士 江苏亨通华海科技股份有限公司
Keynote Speech by Dr Rendong Xu, HMN Tech Group
 主持人Host : 谢心怡博士 Dr Xinyi Xie
- 11:00-11:40 ● 实验室参观
Lab Tour
- 11:40-13:00 ● 午餐: A楼一层食堂
Lunch at Canteen in Building A

主旨报告 Keynote Speech >>>

- 13:00-13:40 ● 杨锐教授 上海科技大学
Keynote Speech by Prof Rui Yang, ShanghaiTech University
 主持人Host : 张洪延教授 Prof Hongyan Zhang
- 13:40-14:20 ● 叶茂先生 苏州星诺奇科技股份有限公司
Keynote Speech by Mr Mao Ye, Suzhou Sinno Technology Co., Ltd.
 主持人Host : 朱雨逸博士 Dr Yuyi Zhu

圆桌讨论 Panel Discussion >>>

- 14:20-15:50 ● **主题：智造未来与育人重塑：AI与智能体驱动下的制造业及教育新使命**
Topic: Manufacturing Futures & Educational Transformation: New Missions for Industry and Education Driven by AI and Intelligent Agents
- 张洪延教授 西交利物浦大学
Prof Hongyan Zhang, Xi'an Jiaotong-Liverpool University
- 帅育斌先生 邦得科技控股集团有限公司
Mr Yubin Shuai, Suzhou Bond Technology Holding Group Co., Ltd.
- 何浩女士 衡宽国际集团有限公司
Mrs Hao He, Hang Fun International Group Limited
- 郑明文先生 奥铁国际货运代理（上海）有限公司
Mr Mingwen Zheng, Rail Cargo International Freight Forwarding (Shanghai) Co., Ltd.
- 谭超林教授 苏州大学金属材料与智能制造研究院
Prof Chaolin Tan, Metal Materials and Intelligent Manufacturing Research Institute of Soochow University
- 刘泽鹏教授 同济大学
Prof Zepeng Liu, Tongji University

 **主持人Host：黄彪教授 Prof Biao Huang**

- 15:50-16:10 ● 茶歇
Tea Break

中心孵化学生创业项目团队分享 Student Entrepreneurship Sharing >>>

- 16:10-16:30 ● 吴越奇：基于多模态的认知和心智障碍人群的早筛与定岗评估
Yueqi Wu: Multimodal-Based Early Screening and Post-Assignment Assessment for Populations with Cognitive and Mental Impairments
- 赵子羽：磁共振—智能计算协同闭环成像与诊断系统
Ziyu Zhao: Magnetic Resonance-Intelligent Computing Collaborative Closed-Loop Imaging and Diagnostic System
- 覃诚轩：脑电数据服务平台
Chengxuan Qin: EEG Data Service Platform
- 陈泽生：具有视觉-语言-动作(VLA)表征的大语言模型
Zesheng Chen: Large Language Models with Vision-Language-Action (VLA) Representations

 **主持人Host：许焯博士 Dr Zhuo Xu**

主旨报告 Keynote Speech >>>

- 16:30-17:10 ● 赵春晖教授 浙江大学
Keynote Speech by Prof Chunhui Zhao, Zhejiang University
-  **主持人Host：杨瑞博士 Dr Rui Yang**
- 17:10-17:50 ● 周桂林先生 苏州纽威阀门有限公司总工程师
Keynote Speech by Mr Guilin Zhou, Neway Valve (Suzhou) Co.,Ltd
-  **主持人Host：付骏宇博士 Dr Junyu Fu**

Keynote Speaker 主旨演讲嘉宾（按发言顺序排序）



钱锋教授 Prof Feng Qian

副校长

华东理工大学

中国工程院院士，自动控制和过程系统工程专家。现任华东理工大学教授，国家流程制造智能调控技术创新中心首席科学家。国家智能制造专家委员会副主任，工信部原材料工业数字化转型专家委员会主任。

Vice President

East China University of Science and Technology

Feng Qian is an academican of the Chinese Academy of Engineering, and an expert in automatic control and process systems engineering. He is currently a professor at East China University of Science and Technology and the chief scientist of the National Technological Innovation Center for Intelligent Process Manufacturing. He serves as the Vice Chairman of the National Intelligent Manufacturing Expert Committee, Chairman of the Expert Committee on Digital Transformation for the Raw Materials Industry under the Ministry of Industry and Information Technology.

报告时间 Speech Time: 09:30-10:10

报告地点 Onsite Room: G-1006, G Building



许人东博士 Dr Rendong Xu

总经理、法定代表人、教授级高级工程师

江苏亨通华海科技股份有限公司

国务院特殊津贴专家、教授级高级工程师。现任江苏亨通华海科技股份有限公司总经理、江苏省海洋信息技术与装备创新中心主任，兼任中国影像科学与技术学会、江苏省海洋学会专业委员会主任委员，海南省海洋学会会长。曾先后任职于朗讯贝尔实验室、康宁公司、亨通光电等国际知名通信企业，主持多项国家级、省部级科研项目，打破技术垄断，荣获六项省部级科技进步一等奖。

General Manager, Legal Representative, and Professorate Senior Engineer
HMN Tech Group

Dr Xu is the Expert Recipient of the Special Government Allowance of the State Council, Professor-level Senior Engineer. He currently serves as the General Manager of HMN Tech Group and the Director of the Jiangsu Marine Information Technology and Equipment Innovation Center. Additionally, he holds concurrent positions as the Chairman of the Professional Committees of both the Chinese Society for Imaging Science and Technology and the Jiangsu Marine Society, as well as the President of the Hainan Marine Society. He has previously held positions at world-renowned telecommunications companies, including Lucent Bell Labs, Corning Incorporated, and Hengtong Optic-Electric. Throughout his career, he has led numerous national, provincial, and ministerial-level scientific research projects, successfully breaking technological monopolies and winning six first-class Provincial and Ministerial Science and Technology Progress Awards.

报告时间 Speech Time: 10:20-11:00

报告地点 Onsite Room: G-1006, G Building



杨锐教授 Prof Rui Yang

中心主任

上海科技大学智造系统工程中心、中国科学院金属研究所沈阳先进材料研发中心
杨教授长期从事钛合金及其构件成形技术研究，带领团队研制出多种核心关键材料和部件并实现应用，在航空、航天、深海等领域若干国家重大工程中做出了突出贡献；带领团队发明高强高韧可焊Ti62A合金，在世界上首次制造出载3人万米级钛合金载人舱，用于“奋斗者”号载人潜水器；攻克了氢氧发动机核心部件氢泵叶轮制备技术难题，用于长征五号系列火箭；发明惰性模壳面层，首次实现轻量化钛铝叶片无余量铸造，用于我国长江系列商用航空发动机；曾获周光召应用科学奖(2010)，何梁何利科技进步奖(2011)，全国创新争先奖(2023)，全国五一劳动奖章(2024)，全国先进工作者(2025)。

Director

Center for Adaptive System Engineering, ShanghaiTech University

Shenyang National Laboratory for Materials Science, Institute of Metal Research, Chinese Academy of Sciences

Professor Yang has long been engaged in research on titanium alloys and forming technologies for titanium alloy components. Leading his research team, he has developed multiple key materials and critical components that have been successfully applied in major national engineering projects in the aerospace, aviation, and deep-sea sectors. His team invented the high-strength, high-toughness, weldable Ti62A alloy and, for the first time worldwide, manufactured a titanium alloy manned pressure cabin capable of carrying three people to depths of 10,000 metres, which was applied in the Fendouzhe deep-sea manned submersible. He also led breakthroughs in the fabrication technology of hydrogen pump impellers for hydrogen-oxygen engines, which have been applied in the Long March-5 launch vehicle series. In addition, his team developed an inert shell-face coating technology, enabling the world's first near-net-shape casting of lightweight titanium-aluminide blades for China's CJ-series commercial aero engines. Professor Yang has received numerous prestigious honours, including the Guangzhao Zhou Award for Applied Sciences (2010), the Ho Leung Ho Lee Prize for Scientific and Technological Progress (2011), the National Innovation Excellence Award (2023), the National May 1st Labour Medal (2024), and the title of National Advanced Worker (2025).

报告时间 Speech Time: 13:00-13:40

报告地点 Onsite Room: G-1006, G Building



叶茂先生 Mr Mao Ye

总裁

苏州星诺奇科技股份有限公司

上海交通大学MBA；曾任职于富士康、飞利浦等知名企业高级管理岗位；精密制造与智能制造领域资深专家，主导企业核心技术研发、全球化市场布局及智能化转型升级，推动精密零部件在汽车、消费电子等领域的创新应用。

Chief Executive Officer

Suzhou Sinno Technology Co., Ltd.

MBA from Shanghai Jiao Tong University; Served in senior management positions in well-known enterprises such as Foxconn and Philips; Senior expert in precision manufacturing and intelligent manufacturing; Led the company's core technology R&D, global market layout and intelligent transformation and upgrading, promoting the innovative application of precision parts in automotive, consumer electronics and other fields

报告时间 Speech Time: 13:40-14:20

报告地点 Onsite Room: G-1006, G Building



赵春晖教授 Prof Chunhui Zhao

学术副校长

浙江大学

中国自动化学会会士，英国工程技术学会会士，国家杰出青年科学基金获得者，国家优秀青年科学基金获得者，华东交通大学学术副校长、教授、博士生导师，浙江大学求是特聘教授；曾获教育部新世纪优秀人才、浙江省首届青年科技英才奖、首届中国自动化学会青年女科学家、浙江省杰出青年基金等重要荣誉奖励，入选教育部课程思政教学名师和教学团队。

Academic Vice President

Zhejiang University

Fellow of the Chinese Association of Automation and the Institution of Engineering and Technology, recipient of both the National Science Fund for Distinguished Young Scholars and the National Science Fund for Excellent Young Scholars. She currently serves as Academic Vice President, and Professor at East China Jiaotong University, and is also a Qiushi Distinguished Professor and Doctoral Supervisor at Zhejiang University. Prof Zhao has received numerous prestigious honours and awards, including the Ministry of Education New Century Excellent Talents Award, the First Zhejiang Young Science and Technology Talent Award, the First Chinese Association of Automation Young Female Scientist Award, and the Zhejiang Provincial Distinguished Young Scholars Fund. She was also selected for the Ministry of Education's Model Teaching Team and Distinguished Teacher Programme for Curriculum-based Ideological and Political Education.

报告时间 Speech Time: 16:30-17:10

报告地点 Onsite Room: G-1006, G Building



周桂林先生 Mr Guilin Zhou

总工程师

苏州纽威阀门有限公司

高级工程师，现任苏州纽威阀门股份有限公司阀门事业部总工程师，是国内高端工业阀门与智能制造领域的重要技术管理人员之一；自2009年加入纽威以来，他先后担任设计工程师、纽威美国公司技术主管及项目经理、质保部主管、制造部经理和技术总监等职务，长期从事高端工业阀门研发、质量管理及数字化制造相关工作；主要参与高压硬密封球阀、超低温阀门、海洋工程阀门以及核电与新能源领域关键阀门产品的研发，部分产品已实现国产化替代，并应用于LNG、海洋平台及能源装备等重大工程场景；积极推动企业智能制造与数字化转型，在行业论坛中多次分享纽威在自动化产线、数字化工厂及智能制造方面的实践经验。

Chief Engineer

Neway Valve (Suzhou) Co.,Ltd

Mr Zhou is a Senior Engineer and a leading technical expert in high-end industrial valves and intelligent manufacturing in China. Since joining Neway in 2009, he has held key positions including Technical Supervisor at Neway USA and Technical Director, gaining extensive experience in R&D, quality management, and digital manufacturing. He has led the development of critical high-pressure, cryogenic, and offshore valves, as well as components for nuclear and new energy sectors, successfully implementing domestic alternatives for major LNG and offshore energy projects. Additionally, Mr. Zhou is a prominent advocate for digital transformation, frequently sharing his expertise in automated production and smart factory practices at major industry forums.

报告时间 Speech Time: 17:10-17:50

报告地点 Onsite Room: G-1006, G Building

Panel Discussion Speaker 圆桌讨论嘉宾



张洪延教授 Prof Hongyan Zhang

教授

西交利物浦大学智造生态学院

西交利物浦大学工业智能体研究中心

美国焊接学会会士 (AWS Fellow)、启明学者。曾长期任职于美国密歇根大学及美国托莱多大学。长期从事先进制造、物理约束人工智能及其工业应用研究, 出版中英文专著《Resistance Welding: Fundamentals and Applications》, 为汽车组装与焊接领域国际知名专家。

Professor

School of Intelligent Manufacturing Ecosystem, Xi'an Jiaotong-Liverpool University

Industrial Intelligent Agent Research Centre, Xi'an Jiaotong-Liverpool University

AWS Fellow and Qiming Scholar. Previously held long-term academic positions at the University of Michigan and the University of Toledo. His research focuses on advanced manufacturing, physics-informed artificial intelligence, and industrial AI applications. He is the author of the English and Chinese editions of Resistance Welding: Fundamentals and Applications and is internationally recognized in the field of automotive assembly and welding.



帅育斌先生 Mr Yubin Shuai

董助兼邦得新材料总经理

邦得科技控股集团有限公司

苏州市先丰低碳研究院副理事长。长期深耕校企合作与政府对接, 推动集团科技创新与产业创新的科技成果转化融合发展, 参与多项行业标准制定, 推动新材料技术成果转化与智能制造场景落地。

Assistant to the Chairman & General Manager of Bond New Materials

Suzhou Bond Technology Holding Group Co., Ltd.

Mr Shuai is the Vice Chairman of the Suzhou Xianfeng Low-Carbon Research Institute; He has long been deeply engaged in university-enterprise cooperation and government relations, actively driving the integrated development and transformation of the group's scientific and industrial innovations into practical achievements. He has participated in the formulation of multiple industry standards and has been instrumental in promoting the commercialization of new material technologies and their application in intelligent manufacturing scenarios.



何浩女士 Mrs Hao He

首席执行官
衡宽国际集团

兼具国际金融、企业管理与产业投资背景的职业经理人和财务专家；注册会计师，曾先后任职于安达信会计师事务所、普华永道、德意志银行中国有限公司以及渣打银行中国有限公司，历任高级审计员、审计经理、副总裁及企业客户部财务总监等职务，在财务管理、风险控制、跨境金融及企业战略方面具有丰富经验；主要聚焦智能科技、产业投资及企业创新生态建设，同时还担任多家科技企业及上市公司的董事或独立董事，包括公牛集团股份有限公司和上海维科精密模塑股份有限公司等；积极参与可持续发展、科技创新与产业升级相关论坛和行业活动，推动科技、资本与产业协同发展。

Chief Executive Officer

Hang Fun International Group Limited

Professional manager and financial expert with an extensive background in international finance, corporate management, and industrial investment. She is a Certified Public Accountant (CPA), and has held key positions at Arthur Andersen, PwC, Deutsche Bank (China), and Standard Chartered Bank (China), serving as Senior Auditor, Audit Manager, Vice President, and Finance Director of Corporate Banking. She possesses deep expertise in financial management, risk control, cross-border finance, and corporate strategy.

In recent years, her focus has shifted toward intelligent technology, industrial investment, and the development of corporate innovation ecosystems. She also serves as a Director or Independent Director for several technology companies and listed firms, including Bull Group Co., Ltd. and Shanghai Wellco Precise Solutions Co., Ltd. Additionally, she is an active participant in forums centered on sustainable development, technological innovation, and industrial upgrading, working to drive the synergy between technology, capital, and industry.



郑明文先生 Mr Mingwen Zheng

总经理
奥铁国际货运代理(上海)有限公司

拥有10年中俄欧国际货运代理管理经验，擅长销售沟通、创新物流项目设计与营销；2018年至今，主导开发多条中欧班列项目，对接中国铁路及多家国企；2015-2018年统筹多条中欧货运班列服务；2009-2014年为三星、LG提供中俄欧铁路运输服务；积极参与行业重要展会与研讨会，在中欧物流领域积累深厚资源与见解。

General Manager

Rail Cargo International Freight Forwarding (Shanghai) Co., Ltd.

Mr Zheng currently serves as General Manager of China at Rail Cargo Group, Austrian Railway. With 10 years of management experience in China-Russia-Europe international freight forwarding, he excels in sales communication, innovative logistics project design and marketing. Since 2018, he has led the development of multiple China-Europe freight train projects and cooperated with China Railway and several state-owned enterprises. From 2015 to 2018, he oversaw various China-Europe freight train services. Between 2009 and 2014, he provided China-Russia-Europe railway transportation services for Samsung and LG. He actively participates in important industry exhibitions and seminars, accumulating profound resources and insights in the China-Europe logistics field.



谭超林教授 Prof Chaolin Tan

特聘教授

苏州大学金属材料与智能制造研究院

国家高层次青年人才、国际先进材料协会会员；拥有深厚的国内外先进制造领域学术与产业经验，曾任新加坡制造技术研究院高级科学家；在激光增材制造、智能制造及材料科学领域成果卓越，论文被引超6100次，H指数45，多篇论文发表于《International Journal of Machine Tools and Manufacture》等顶刊。

Distinguished Professor

Institute of Metal Materials and Intelligent Manufacturing, Soochow University

Prof Tan is the National High-Level Young Talent and Fellow of the International Association of Advanced Materials (IAAM) and has extensive academic and industrial experience in advanced manufacturing both in China and internationally. He previously served as a Senior Scientist at the Singapore Institute of Manufacturing Technology.

His research achievements are in laser additive manufacturing, intelligent manufacturing, and materials science. His publications have been cited more than 6,100 times, with an H-index of 45. He has published extensively in leading journals such as the International Journal of Machine Tools and Manufacture and other top-tier international journals in the field.



刘泽鹏教授 Prof Zepeng Liu

特聘研究员

同济大学控制科学与工程系

国家高层次青年人才、上海市领军人才（海外），同济大学青年百人计划A类人才，自主智能无人系统全国重点实验室成员。博士生导师，国际电子电气工程师学会会士。主要从事复杂装备状态监测、故障诊断、非线性动态建模、数字孪生与工业智能感知研究；面向复杂装备真实工况下的运行监测与智能运维需求，围绕状态感知、异常识别、健康评估等关键问题开展系统研究。

Researcher

Tongji University, Department of Control Science and Engineering

He is a national high-level young talent, a Shanghai Overseas Leading Talent, and a Category A member of Tongji University's "Young Hundred Talents Program." He is also a doctoral supervisor, IEEE Member, and a researcher at the State Key Laboratory of Autonomous Intelligent Unmanned Systems. His research focuses on condition monitoring of complex engineering systems, fault diagnosis, nonlinear dynamic modeling, digital twins, and industrial intelligent sensing. He conducts systematic research on key challenges in operational monitoring and intelligent maintenance of complex equipment under real-world working conditions, with emphasis on state perception, anomaly detection, and health assessment.



XJTU

SCHOOL OF
INTELLIGENT MANUFACTURING ECOSYSTEM
智造生态学院

XJTU

INDUSTRIAL INTELLIGENT AGENT
RESEARCH CENTRE
工业智能体研究中心