

AIAM 2025

第二届中欧科学家论坛

暨第七届人工智能与先进制造国际会议

2025 2nd China-Europe Scientists Forum

**& 7th International Conference on Artificial Intelligence and
Advanced Manufacturing**

会议日程

Conference Program

德国海德堡 | Heidelberg, Germany

2025 年 10 月 31 日-11 月 2 日 | October 31-November 2, 2025

<http://www.icaiam.com/>
contact@icaiam.com

大会简介

2025 第二届中欧科学家论坛暨第七届人工智能与先进制造国际会议(AIAM 2025)

中欧科学家论坛由德国、法国、荷兰、瑞士、丹麦、芬兰、意大利、西班牙、匈牙利、中国等国三十余位科学家于2023年底共同发起，六十多家科研机构和协会支持。旨在加强中欧之间学术交流与合作，弘扬中欧之间民间友谊。首届中欧科学家论坛已于2024年10月在德国法兰克福成功举办，吸引了200多位专家学者，就转化医学、人工智能和计算机等领域展开了深入交流。

第二届中欧科学家论坛将于2025年10月31日至11月2日在德国海德堡Bürgerhaus会议中心召开。第七届人工智能与先进制造国际会议（AIAM 2025）将作为人工智能平行论坛同步召开。

从2019年开始，AIAM系列会议已分别在都柏林、上海、曼彻斯特、汉堡、布鲁塞尔、法兰克福成功举办了六届。本届会议将继续以“人工智能与先进制造技术”为主题，旨在为全世界从事数字化、智能化、绿色化设计、制造、应用的专家、学者及专业技术人员提供一个交流最新研究成果的平台，并进一步推动全球在人工智能及交叉领域的发展。

Introduction

7th International Conference on Artificial Intelligence and Advanced Manufacturing (AIAM 2025)

2025 2nd China-Europe Scientists Forum & 7th International Conference on Artificial Intelligence and Advanced Manufacturing (AIAM 2025) will be held during October 31-November 2, 2025 at Burgerhaus HeidelBERG in Heidelberg, Germany. Started from 2019, the AIAM series conference has been successfully held 6 times in Dublin, Shanghai, Manchester, Hamburg, Brussels, Frankfurt, respectively. It has attracted thousands of participants and become a platform with great influence in Chinese and European governments, enterprises, and scientific research institutions.

In December 2023, more than 30 renowned academicians, professors and other scientists from Germany, France, the Netherlands, Switzerland, Denmark, Italy, Spain, Austria and other countries at home and abroad signed an initiative to organize the "China-Europe Scientists Forum", which aims to strengthen academic exchanges and co-operation between China and Europe, and to promote the friendship of the people of China and Europe.

As a parallel forum and academic conference of China-Europe Scientists Forum, AIAM 2025 aims to bring together researchers and scientists from artificial intelligence and advanced manufacturing, and researchers from various application areas to discuss problems and solutions in the area, to identify new issues, and to shape future directions for research. This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, establish business or research relations, and find global partners for future collaboration.

组织机构

2025 第二届中欧科学家论坛暨第七届人工智能与先进制造国际会议(AIAM 2025)

主办单位

海外华人科创联盟

中国人工智能学会 (CAAI)

承办单位

中欧科学家论坛

西安电子科技大学杭州研究院

湖州师范大学

国际人工智能产业联盟 (AIIA)

国际应用科学与技术协会 (IAAST)

协办单位

西安电子科技大学

电子科技大学中山学院电子信息学院

宁波大学信息科学与工程学院

德国智能城市交通协会

杭州电子科技大学

大会主席

孙富春教授，中国人工智能学会、清华大学

周盛宗教授，中国留德学者计算机学会

联席主席

陈清泉教授，中国工程院院士，英国皇家工程院院士

戴琼海教授，中国工程院院士，清华大学教授

学术委员会成员 (排名不分先后)

Benfeng Chen, Cisai Digital Security Research Institute, China

Bharat S. Chaudhari, MIT World Peace University, India

Boris I Kharisov, University of Nuevo León, Mexico

Chengxin Pang, Overseas Chinese Science and Technology Innovation Alliance

Chiranjeevi Rahul Rollakanti, Middle East College, Oman

Daizhong Su, Nottingham Trent University, UK

Dan Wu, University of Windsor, Canada

Dimitrios Karras, National and Kapodistrian University of Athens, Greece

Duc Truong Pham, University of Birmingham, UK

Franz Aurenhammer, Graz University of Technology, Austria

Grigorios Beligiannis, University of Patras, Greece

Heba M. Afify, Cairo University, Egypt

Huiyan Huang, Morningsun Technology Group, Germany

Hui Li, Peking University, China

Hyunbum Kim, Incheon National University, South Korea

Jacek Mucha, Rzeszow University of Technology, Poland

Jasmine Seng Kah Phooi, University of Sunshine Coast, Australia

Jingyu Liu, Harbin Normal University, China

Jixin Ma, University of Greenwich, UK

João Manuel R. S. Tavares, Universidade do Porto, Portugal

2025 第二届中国科学家论坛暨第七届人工智能与先进制造国际会议(AIAM 2025)

Jun Li, Chinese Academy of Sciences, China

Jun Liu, Ulster University, UK

Kaya Kuru, University of Central Lancashire, UK

Kishore Debnath, National Institute of Technology Meghalaya, India

Larbi Boubchir, University of Paris 8, France

Li Cheng, University of Alberta, Canada

Licheng Jiao, Xidian University, China

Liming Liu, University of Electronic Science and Technology of China, Zhongshan Institute, China

Lizhuang Ma, Shanghai Jiao Tong University; East China Normal University, China

Luca Silvestri, Niccolò Cusano University, Italy

Marcin Paprzycki, Polish Academy of Sciences, Poland

Md Abdus Samad Kamal, Gunma University, Japan

Ming Fang, University of Science and Technology of China

Nan Ma, Beijing University of Technology, China

Pascal Lorenz, University of Haute Alsace, France

Patrick Siarry, Université Paris-Est Créteil, France

Raul Campilho, Instituto Superior de Engenharia do Porto, Portugal

Siddhartha Bhattacharyya, VSB Technical University of Ostrava, Czech Republic

Simon X. Yang, University of Guelph, Canada

Jun Gang Lou, Huzhou University, China

Wenjun Hu, Huzhou University, China

Xiang Shen, Faculty of Electrical Engineering and Computer Science, Ningbo University, China

Xinhua Zeng, Fudan University, China

Xu Huang, Huzhou University, China

Zeshui Xu, Academia Europaea, UK; Sichuan University, China

组织委员会主席

蒋林华教授，海外华人科创联盟，玻利维亚国家科学院院士

组织委员会联席主席

楼俊钢教授，湖州师范学院信息工程学院院长，浙江师范大学博导

段玉聪教授，塞尔维亚国家科学院外籍院士，世界人工意识协会理事长，海南大学教授

组织委员会副主席

刘黎明教授，电子科技大学中山学院电子信息学院院长

沈祥教授，宁波大学信息科学与工程学院院长

组织委员会成员(排名不分先后)

Fei Yin, Ningbo University, China

Guanhua Zhang, University of Shanghai for Science and Technology, China

Hengnian Qi, Huzhou University, China

Wei Long, Huzhou University, China

Xueguang Sun, Association d'Incubateur Franco-Chinois

Yong Zhang, Huzhou University, China

Zefeng Wang, Huzhou University, China

Zhong Li, Huzhou University, China

Lijun Wang, Xidian University, China

Entuo Liu, Xidian University, China

出版主席

何泾沙教授，北京工业大学

Organization

7th International Conference on Artificial Intelligence and Advanced Manufacturing (AIAM 2025)

Organizers

Overseas Chinese Science and Technology Innovation Alliance

Chinese Association for Artificial Intelligence (CAAI)

In Association With

China-Europe Scientists Forum

Hangzhou Institute of Technology, Xidian University, China

Huzhou University, China

International Artificial Intelligence Industry Alliance (AIIA)

International Association of Applied Science and Technology (IAAST)

Sponsors

Xidian University, China

School of Electronic Information, University of Electronic Science and Technology of China, Zhongshan Institute, China

Faculty of Electrical Engineering and Computer Science, Ningbo University, China

SmartCity Association for Promotion of Urban Mobility

Hangzhou Dianzi University, China

General Chairs

Fuchun Sun, Chinese Association for Artificial Intelligence, Tsinghua University, China

Shengzong Zhou, Gesellschaft Chinesischer Informatiker in Deutschland e.V. (GCI)

Co-Chairs

Qingquan Chen, Academician of Chinese Academy of Engineering and The Royal Academy of Engineering

Qionghai Dai, Chinese Academy of Engineering, Tsinghua University, China

Organization

7th International Conference on Artificial Intelligence and Advanced Manufacturing (AIAM 2025)

Academic Committee Members

Benfeng Chen, Cisai Digital Security Research Institute, China

Bharat S. Chaudhari, MIT World Peace University, India

Boris I Kharisov, University of Nuevo León, Mexico

Chengxin Pang, Overseas Chinese Science and Technology Innovation Alliance

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Daizhong Su, Nottingham Trent University, UK

Dan Wu, University of Windsor, Canada

Dimitrios Karras, National and Kapodistrian University of Athens, Greece

Duc Truong Pham, University of Birmingham, UK

Elias Randjbaran, Aircraft Composite Inc.

Franz Aurenhammer, Graz University of Technology, Austria

Grigorios Beligiannis, University of Patras, Greece

Heba M. Afify, Cairo University, Egypt

Huiyan Huang, Morningsun Technology Group, Germany

Hui Li, Peking University, China

Hyunbum Kim, Incheon National University, South Korea

Jacek Mucha, Rzeszow University of Technology, Poland

Jasmine Seng Kah Phooi, University of Sunshine Coast, Australia

Jingyu Liu, Harbin Normal University, China

Jixin Ma, University of Greenwich, UK

João Manuel R. S. Tavares, Universidade do Porto, Portugal

Jun Li, Chinese Academy of Sciences, China

Jun Liu, Ulster University, UK

Kaya Kuru, University of Central Lancashire, UK

Kishore Debnath, National Institute of Technology Meghalaya, India

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Larbi Boubchir, University of Paris 8, France

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Licheng Jiao, Xidian University, China

Liming Liu, University of Electronic Science and Technology of China, Zhongshan Institute, China

Lizhuang Ma, Shanghai Jiao Tong University; East China Normal University, China

Luca Silvestri, Niccolò Cusano University, Italy

Marcin Paprzycki, Polish Academy of Sciences, Poland

Md Abdus Samad Kamal, Gunma University, Japan

Ming Fang, University of Science and Technology of China

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Raul Campilho, Instituto Superior de Engenharia do Porto, Portugal

Siddhartha Bhattacharyya, VSB Technical University of Ostrava, Czech Republic

Simon X. Yang, University of Guelph, Canada

Jun Gang Lou, Huzhou University, China

Wenjun Hu, Huzhou University, China

Xiang Shen, Faculty of Electrical Engineering and Computer Science, Ningbo University, China

Xinhua Zeng, Fudan University, China

Xu Huang, Huzhou University, China

Zeshui Xu, Academia Europaea, UK; Sichuan University, China

Organization

7th International Conference on Artificial Intelligence and Advanced Manufacturing (AIAM 2025)

Organizing Committee Chair

Linhua Jiang, Overseas Chinese Science and Technology Innovation Alliance, National Academy of Sciences of Plurinational State of Bolivia

Organizing Committee Co-Chair

Jungang Lou, School of Information Engineering, Huzhou University, China

Yucong Duan, International Academy of Advanced Technology and Engineering (ATE), World Artificial Consciousness Association (WACA), Hainan University of China

Vice Organizing Committee Chairs

Liming Liu, University of Electronic Science and Technology of China, Zhongshan Institute, China

Xiang Shen, Faculty of Electrical Engineering and Computer Science, Ningbo University, China

Organizing Committee Members

Fei Yin, Ningbo University, China

Guanhua Zhang, University of Shanghai for Science and Technology, China

Hengnian Qi, Huzhou University, China

Wei Long, Huzhou University, China

Xueguang Sun, Association d' Incubateur Franco-Chinois

Yong Zhang, Huzhou University, China

Zefeng Wang, Huzhou University, China

Zhong Li, Huzhou University, China

Lijun Wang, Xidian University, China

Entuo Liu, Xidian University, China

Publication Chair

Jingsha He, Beijing University of Technology, China

会议日程

2025 第二届中国科学家论坛暨第七届人工智能与先进制造国际会议(AIAM 2025)

会议日程	
以下时间为欧洲中部时间, UTC+1:00	
2025 年 10 月 31 日	
(地点: 宜必思海德堡中央火车站酒店, Willy Brandt Platz 3, 69115 Heidelberg, Germany)	
15:00	报到
2025 年 11 月 1 日	
2025 第二届中国科学家论坛	
(地点: 海德堡 Bürgerhaus 会议中心 Kleiner Saal 会议厅, Forum 1, 69126 Heidelberg)	
直播链接: https://www.koushare.com/live/details/45869	
9:00	报到
9:30	主持人介绍出席会议的嘉宾
9:35	哈米德·礼萨·卡里米教授 (第二届中国科学家论坛轮值主席、欧洲科学院院士、意大利米兰理工大学教授) 致欢迎辞
9:40	中国官方代表致辞
9:50	德国官方代表致辞
10:00	迈克尔·列维特教授 (2013 年诺贝尔化学奖获得者) 视频致辞
10:01	中国侨联/协会代表致辞
10:05	周捷博士 (全欧华人专业协会联合会主席) 致辞
10:10	科学家主旨演讲一: 伊什特万·萨博教授, 匈牙利农业与生命科学大学 (MATE) 副校长、理工学院院

	长 报告题目：人工智能重塑农业科技和大学教育
10:35	科学家主旨演讲二： 贾纳雷利奥·库尼贝尔蒂教授，欧盟科学院院士、德国国家科学与工程院院 士，德国德累斯顿工业大学教授 报告题目：分子传感的机器学习
11:00	科学家主旨演讲三： 格诺特·舒勒鲁斯教授，德国罗伊特林根大学教授 报告题目：待定
11:25	科学家主旨演讲四： 江志斌教授，欧洲科学与艺术院院士，上海交通大学教授 报告题目：待定
11:50	签约和颁奖仪式
11:55	合影留念
12:00	午餐
人工智能平行论坛-AIAM 2025 (地点：海德堡 Bürgerhaus 会议中心 1/3 Saal Mitte 会议厅, Forum 1, 69126 Heidelberg) 主持人：蒋林华教授，中欧科学家论坛执行主席、海外华人科创联盟主席、 玻利维亚国家科学院院士 直播观看链接：https://www.koushare.com/live/details/45879	
15:10	开幕式
15:20	特邀报告一：Nuria lloret 教授，西班牙瓦伦西亚理工大学创新学院副院长 报告题目：从数据到决策：人工智能如何改变跨行业实践
15:40	特邀报告二：周挥宇教授，英国莱斯特大学

	报告题目：无训练的视觉概念提示学习在开放集语言基础分割中的应用
16:00	特邀报告三：Dimitrios A. Karras 教授，希腊雅典大学 报告题目：关于在数字化转型、自动化和可持续发展领域构建一个可靠且负责任、符合伦理的 AI 框架的高效建模与操作化：近期进展与挑战
16:20	特邀报告四：Attila Vidacs 教授，匈牙利布达佩斯技术与经济大学(BME) 报告题目：人工智能在边缘辅助机器人技术中的作用
16:40	特邀报告五：Simon X. Yang 教授，加拿大圭尔夫大学、加拿大工程院院士 报告题目：仿生智能水下机器人系统控制（拟）
17:00	特邀报告六：Siddhartha Bhattacharyya 教授，捷克奥斯特拉发技术大学 报告题目：多层量子元启发式算法：在自动聚类中的应用
17:20	特邀报告七：Sajjad Hussain Chauhdary 教授，湖州师范大学教授 报告题目：从防御到危险：探索人工智能在网络安全中的作用
17:40	特邀报告八：曾志国教授，法国巴黎萨克雷大学 报告题目：通过数字孪生和自主式人工智能系统实现弹性制造
18:00	特邀报告九：陈鸣，丹麦皇家医院临床微生物科资深研究员 报告题目：人工智能赋能医学临床微生物学检查：实践突破与未来展望
18:20	优秀颁奖、全体合影
19:00	晚餐
2025 年 11 月 2 日（地点：线上腾讯会议室） #腾讯会议：265-691-740 入会链接：https://meeting.tencent.com/dm/3oDxBE8XkcDm	
08:00	特邀报告一：Md Abdus Samad KAMAL 教授，日本群馬大学 报告题目：迈向协同式交叉路口管理，以实现高效的人机-自动化车辆融合

08:30	特邀报告二：刘晓东教授，英国爱丁堡龙比亚大学 报告题目：待定
09:00	特邀报告三：刘军教授，英国奥斯特大学 报告题目：可信人工智能中的形式化方法
09:30	特邀报告四：李颖博博士，美国 BilliMD 公司首席技术官 报告题目：图神经网络及其产业创新
10:00	口头汇报
12:00	会议闭幕

注：该日程在会前仍可能会有更新。

Program

7th International Conference on Artificial Intelligence and Advanced Manufacturing (AIAM 2025)

Program The below time is Central European Time, UTC+1:00	
October 31, 2025	
15:00-18:00	Registration (Venue: ibis Hotel Heidelberg Hauptbahnhof, Willy Brandt Platz 3, 69115 Heidelberg, Germany)
November 1, 2025	
2025 2nd China Europe Scientists Forum (Venue: Kleiner Saal Hall, Heidelberg Heidelberg, Forum 1, 69126 Heidelberg) Live Stream: https://www.koushare.com/live/details/45869	
9:00	Registration
9:30	Introduction of attending guests by the host
9:35	Opening Speech from Prof. Hamid Reza Karimi, Rotating Chair of 2025 China-Europe Scientists Forum, Member of Academia Europaea, Professor of Polytechnic University of Milan
9:40	Speech from the Representative from the Chinese authorities
9:50	Speech from the Representative from the German authorities
10:00	Video Congratulations from Prof. Michael Levitt, 2013 Nobel Laureate in Chemistry
10:01	Speech from the leaders of the Chinese Association
10:05	Speech from Dr. Jie Zhou, Chair of Federation of Chinese Professional Associations in Europe (FCPAE)
10:10	Keynote Speech 1: Istvan Szabo, Vice-Rector of Hungarian University of Agriculture and Life Sciences (MATE), Hungary

	Speech Title: AI Reshaping Agri-Tech & University Education
10:35	Keynote Speech 2: Prof. Gianluca Cuniberti, Member of the European Academy of Sciences and of the Germany National Academy of Science and Engineering, TU Dresden, Germany Speech Title: Machine Learning for Molecular Sensing
11:00	Keynote Speech 3: Prof. Gernot Schullerus, Reutlingen University, Germany Speech Title: To be determined
11:25	Keynote Speech 4: Prof. Zhibin Jiang, European Academy of Sciences and Arts, Shanghai Jiao Tong University, China Speech Title: To be determined
11:50	Cooperation signing ceremony & Awards
11:55	Group Photo
12:00	Lunch
Artificial Intelligence Parallel Forum-AIAM 2025 (Venue: Heidelberg HeidelBERG 1/3 Saal Mitte Conference Hall, Forum 1, 69126 Heidelber) Host: Prof. Linhua Jiang, Executive Chair of China-Europe Scientists Forum, Overseas Chinese Science and Technology Innovation Alliance, National Academy of Sciences of Plurinational State of Bolivia Live Stream: https://www.koushare.com/live/details/45879	
15:10	Opening Ceremony
15:20	Invited Speech 1: Prof. Nuria lloret, Vice-Dean of the Innovation Academy, Universitat Politècnica de València, Spain Speech Title: From Data to Decisions: How AI Transforms Cross-Industry Practices
15:40	Invited Speech 2: Prof. Huiyu Zhou, University of Leicester, UK Speech Title: Training-free Visual Concept Prompt Learning for Open-set Language Grounded Segmentation
16:00	Invited Speech 3: Prof. Dimitrios A. Karras, National and Kapodistrian

	University of Athens, Greece Speech Title: On Efficient Modelling and Operationalization of a Reliable Framework for Responsible and Ethical AI in Digital Transformation, Automation and Sustainability: Recent Advancements and Challenges
16:20	Invited Speech 4: Prof. Attila Vidacs, Budapest University of Technology and Economics, Hungary Speech Title: The Role of AI in Edge-Assisted Robotics
16:40	Invited Speech 5: Prof. Simon X. Yang, Fellow of Canada Academy of Engineering, University of Guelph, Canada Speech Title: Bio-inspired Intelligent Control of Underwater Robotic Systems (Tentative)
17:00	Invited Speech 6: Prof. Siddhartha Bhattacharyya, VSB Technical University of Ostrava, Czech Republic Speech Title: Multilevel Quantum Metaheuristics: Applications to Automatic Clustering
17:20	Invited Speech 7: Prof. Sajjad Hussain Chauhdary, Huzhou University, China Speech Title: From Defense to Danger: Navigating AI's Role in Cybersecurity
17:40	Invited Speech 8: Prof. Zhiguo Zeng, Université Paris-Saclay, France Speech Title: Resilient Manufacturing Through Digital Twins and Agentic AI Systems
18:00	Invited Speech 9: Dr. Ming Chen, Senior Researcher in the Department of Clinical Microbiology at the Royal Hospital of Denmark, Denmark Speech Title: Artificial Intelligence Empowers Clinical Microbiology Testing: Practical Breakthroughs and Future Prospects
18:20	Awards/ Group Photo
19:00	Dinner

	November 2, 2025 (VooV Meeting) Room ID: 265-691-740 Room Link: https://meeting.tencent.com/dm/3oDxBE8XkcDm
08:00	Invited Speech 1: Prof. Md Abdus Samad Kamal, Gunma University, Japan Speech Title: Towards Cooperative Intersection Management for Efficient Human–automated Vehicle Integration
08:30	Invited Speech 2: Prof. Xiaodong Liu, Edinburgh Napier University, UK Speech Title: To be determined
09:00	Invited Speech 3: Prof. Jun Liu, Ulster University, UK Speech Title: Formal Methods in Trustworthy AI
09:30	Invited Speech 4: Dr. Yingbo Li, Chief Technology Officer of the BilliMD, USA Speech Title: Graph Neural Network and its industrial innovation
10:00	Oral Presentations
12:00	Closing

Note: This schedule may be subject to updates before the conference.