

CAIT2026 Special Session II

Special Session Basic Information:

Session Title

中文：面向下一代智能服务的人工智能
英文：AI for Next Generation Intelligent Services

Introduction and topics

中文：

“面向下一代智能服务的 AI”专题研讨会旨在探讨人工智能领域的前沿进展，这些进展正在推动各行各业智能服务的演进。本次研讨会将汇聚研究人员、从业人员和行业专家，共同探讨正在重塑医疗、金融、教育、交通等领域服务交付方式的创新人工智能方法、框架和应用。与会者将深入了解最新的 AI 技术，包括机器学习、自然语言处理和多模态数据融合，这些技术能够实现更加个性化、高效和自适应的服务。研讨会还将重点讨论在实际环境中部署 AI 驱动服务所面临的挑战和机遇，并探讨可扩展性、安全性以及伦理考量等问题。主题包括但不限于：

1. 人工智能驱动的服务个性化和定制化
2. 面向智能服务交付的可扩展人工智能架构
3. 用于服务自动化的自然语言处理和对话式人工智能
4. 用于增强服务体验的多模态数据融合
5. 人工智能在医疗保健领域的应用：个性化医疗和预测分析
6. 自主系统和智能服务机器人
7. 人工智能在金融服务领域的应用：欺诈检测、风险管理及其他
8. 智能服务中合乎伦理且负责任的人工智能
9. 人工智能服务中的实时情感识别和适应
10. 人工智能在智慧城市中的应用：交通、能源管理和公共服务

英文：

The special session on "AI for Next Generation Intelligent Services" aims to explore cutting-edge advancements in artificial intelligence that are driving the evolution of intelligent services across various sectors. This session will bring together researchers, practitioners, and industry experts to discuss innovative AI methodologies, frameworks, and applications that are reshaping service delivery in areas such as healthcare, finance, education, transportation, and beyond. Attendees will gain insights into the latest AI techniques, including machine learning, natural language processing, and multi-modal data fusion, that are enabling more personalized, efficient, and adaptive services. The session will also highlight the challenges and opportunities associated with deploying AI-driven services in real-world environments, addressing issues such as scalability, security, and ethical considerations. Topics include, but are not limited to:

1. AI-Driven Service Personalization and Customization
2. Scalable AI Architectures for Intelligent Service Delivery
3. Natural Language Processing and Conversational AI for Service Automation
4. Multi-modal Data Fusion for Enhanced Service Experiences
5. AI in Healthcare: Personalized Medicine and Predictive Analytics
6. Autonomous Systems and Intelligent Service Robots
7. AI for Financial Services: Fraud Detection, Risk Management, and Beyond
8. Ethical and Responsible AI in Intelligent Services
9. Real-time Emotion Recognition and Adaptation in AI Services
10. AI for Smart Cities: Transportation, Energy Management, and Public Services

Special Session Chair(s):

	姓名 Name	Wei William Wang
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Organizer's Brief Biography

中文:

王伟教授现任澳门理工大学机器翻译与人工智能应用技术工程研究中心副教授。他曾任澳门大学澳门研究员。他的研究方向包括计算社会科学、数据挖掘、物联网和人工智能。他已在 IEEE JSAC、TITS、TNNLS、TKDD、AAAI 和 ACM MM 等顶级国际期刊和会议上发表/合作发表了 100 余篇科学论文。他是《中国计算机科学评论》的主编，IEEE TCSS、JBHI、TCE 的特邀主编，以及 ACM TOIT 的特邀编辑。他是 IEEE SmartIoT 2024 和 EAI QSHINE 2023 的程序委员会主席，IEEE SmartIoT 2019&2020 的分会主席，ACM MM、IJCAI 和 AAAI 的程序委员会成员，以及 IEEE TII、TBD、IoTJ、IJCAI 和 WWW 等众多顶级领域期刊和会议的定期审稿人。

英文:

Wei William Wang is currently an associate professor at the Engineering Research Centre of Applied Technology on Machine Translation and Artificial Intelligence, Macao Polytechnic University, Macao SAR 999078, China. He had been the UM Macao Research Fellow at the University of Macau, Macao SAR. His research interests include computational social science, data mining, internet of things, and artificial intelligence. He has authored/co-authored more than 100 scientific papers in top-tier international journals and conferences, such as IEEE JSAC, TITS, TNNLS, TKDD, AAAI, and ACM MM. He is the Editor in Chief of Chinese Computer Sciences Review, Leading Guest Editor of IEEE TCSS, JBHI, TCE, and the Guest Editor of ACM TOIT. He is a Program Co-Chair of IEEE SmartIoT 2024 and EAI QSHINE 2023, Track Chair of IEEE SmartIoT 2019&2020, PCmember of ACM MM, IJCAI, and AAAI, and a regular reviewer of extensive top-tier field journals and conferences, such as IEEE TII, TBD, IoTJ, IJCAI, and WWW.

	姓名 Name	Thippa Reddy Gadekallu
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Organizer's Brief Biography

中文：

蒂帕·雷迪·加德卡鲁（Thippa Reddy Gadekallu）目前在浙江农林科技大学担任教授，同时也是印度帕格瓦拉拉夫利专业大学（Lovely Professional University）研究与发展部的客座教授。他于 2003 年获得印度那加尔朱纳大学（Nagarjuna University）计算机科学与工程学士学位，2011 年获得印度泰米尔纳德邦金奈安娜大学（Anna University）计算机科学与工程硕士学位，并于 2017 年获得印度泰米尔纳德邦韦洛尔韦洛尔理工学院（Vellore Institute of Technology）博士学位。他拥有超过 15 年的教学和科研经验，在国际和国内知名期刊及会议上发表了 400 余篇论文。目前，他的研究领域包括机器学习、物联网、深度神经网络、区块链和计算机视觉。他曾担任 IEEE、Elsevier、Springer 和 MDPI 等多家知名出版社的客座编辑。根据爱思唯尔在 2021、2022、2023、2024 和 2025 年进行的调查，他最近被评为世界顶尖 2% 的科学家之一。此外，在 2023 年，科睿唯安（Web of Science）将他评为 2017-2022 年期间的高被引学者（青年科学家类别）。

英文：

Thippa Reddy Gadekallu is currently working as a Professor at Zhejiang A&F University and as a visiting professor at the Division of Research and Development, Lovely Professional University, Phagwara, India. He has obtained his Bachelors in Computer Science and Engineering from Nagarjuna University, India, in the year 2003, Masters in Computer Science and Engineering from Anna University, Chennai, Tamil Nadu, India in the year 2011 and his Ph.D in Vellore Institute of Technology, Vellore, Tamil Nadu, India in the year 2017. He has more than 15 years of experience in teaching and research. He has more than 400 international/national publications in reputed journals and conferences. Currently, his areas of research include Machine Learning, Internet of Things, Deep Neural Networks, Blockchain, Computer Vision. He has acted as a guest editor in several reputed publishers like IEEE, Elsevier, Springer, MDPI. He is recently recognized as one among the top 2% scientists in the world as per the survey conducted by Elsevier in the years 2021, 2022, 2023, 2024, 2025. He is also recognized as a highly cited researcher, young scientist category, by Clarivate (web of Science) for the period 2017-2022 in the year 2023.

	姓名 Name	Ali Kashif Bashir
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Organizer's Brief Biography

中文：

阿里教授现任英国曼彻斯特城市大学计算机网络与网络安全教授，同时也是未来网络实验室的负责人。在他的职业生涯中，阿里教授在国际会议上发表了 45 余场主题演讲，撰写了 300 余篇研究论文，并成功领导了多个全球范围内的数百万美元项目。他的学生曾荣获最佳论文奖、最佳博士论文奖以及其他多项荣誉。他的研究方向包括物联网/信息物理系统、智能基础设施、网络安全以及利用人工智能算法解决网络和安全领域的跨学科问题。阿里教授是英国计算机教授与系主任委员会（CPHC）的成员，也是英国工程与物理科学研究委员会（EPSRC）、爱尔兰研究委员会、加拿大国家科学与工程研究委员会（NSERC）、加拿大 MITACS 和 Accelerate 项目、卡塔尔国家研究基金（QNRF）以及英国联邦的专家评审员。他目前在全球拥有 7 个荣誉教授和兼职教授职位。他于 2021 年被评为 IEEE 特邀作者，2021 年和 2022 年被斯坦福大学评为高被引 2% 的研究人员，并入围 2023 年科睿唯安高被引奖。他是 10 多种国际 ISI 索引期刊的副主编，其中包括两份 IEEE Transactions、Scientific Reports 和 Nature，以及 IEEE Technology, Policy and Ethics 和 Journal of Autonomous Intelligence 的主编。

英文：

Ali holds the position of Professor of Computer Networks and Cybersecurity at the Manchester Metropolitan University in the United Kingdom. Additionally, he serves as the leader of the Future Networks lab. Throughout his career, Ali has presented more than 45 keynote speeches at international conferences, produced over 300 research

articles, and successfully overseen multimillion-dollar projects worldwide. His students have won best paper awards, best PhD thesis awards, and several other recognitions. His research interests include internet of things/cyber physical systems, smart infrastructures, cybersecurity, and AI algorithms to solve interdisciplinary problems of networks and security. Ali is member of Council of Professors and Heads of Computing (CPHC), UK; an expert reviewer of EPSRC, UK, Irish Research Council, Ireland, National Sciences and Engineering Research Council (NSERC), Canada, MITACS, Accelerate, Canada, Qatar National Research Fund (QNRF), and Commonwealth, UK. He enjoys 7 honorary and adjunct professor positions across the globe. He was listed as IEEE Featured Author in 2021, highly cited 2% researchers by Stanford University 2021 and 2022, shortlisted for Clarivate Highly Cited award 2023. He is AE of over 10 international ISI indexed journals including two IEEE Transactions, and Scientific Reports, Nature, and EIC of IEEE Technology, Policy and Ethics, and Journal of Autonomous Intelligence.