第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications

BDCIA 2026

会 议 日 程

Conference Program

2026 年 11 月 6-8 日 | 中国黄冈（黄冈师范学院）

November 6-8, 2026 | Huanggang, China (Huanggang Normal University)

会议网站 | Website: https://www.bdcia.org

目　录

大会简介 1

Introduction 2

组织机构 3

Organization 7

特邀嘉宾 11

Speakers 17

会议日程 23

Program 25

会议地点 27

Venue 28

摘要/Abstract 29

大会简介 | 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications

第四届大数据、计算智能与应用国际会议（BDCIA 2026）将于 2026 年 11 月 6 日至 8 日在黄冈师范学院举办。

本次会议由黄冈师范学院主办，黄冈师范学院计算机与人工智能学院、国际应用科学与技术协会（IAAST）、微研学术承办，武汉科技大学计算机科学与技术学院、武汉纺织大学计算机与人工智能学院协办。会议旨在汇聚全球学术界与产业界的专家学者、研究人员及工程技术人员，共同探讨大数据、计算智能及相关应用领域的前沿进展、核心技术挑战与未来发展趋势。我们诚挚邀请世界各地相关领域的学者、工程师、学生及行业代表踊跃投稿并参会，分享最新研究成果与实践经验，共同推动大数据与计算智能技术的进步与应用拓展。

大会设置特邀报告、口头汇报、学术墙报展示等环节，与会者将有机会聆听来自世界各地专家的主题演讲，参与探讨，以及展示自己的研究成果和创新技术。

诚邀各位同仁齐聚黄冈，共研大数据、计算智能与应用新技术、共促领域新发展！

Introduction| 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications

The 4th International Conference on Big Data, Computational Intelligence and Applications (BDCIA 2026) will be held during November 6-8, 2026 at Huanggang Normal University in Huanggang, China.

This conference is hosted by Huanggang Normal University; organized by the School of Computer Science and Artificial Intelligence of Huanggang Normal University, International Association of Applied Science and Technology (IAAST), WeResearch; in association with School of Computer Science and Technology, Wuhan University of Science and Technology, School of Computer Science and Artificial Intelligence, Wuhan Textile University.

The conference aims to convene experts, scholars, researchers, and engineers from academia and industry worldwide to explore frontier advances, core technical challenges, and future trends in big data, computational intelligence, and related applications.

We cordially invite scholars, engineers, students, and industry representatives from relevant fields to submit papers and join us in Huanggang to share the latest research findings and practical experience, and to jointly advance big data and computational intelligence technologies and their applications.

组织机构 | 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications

主办单位

黄冈师范学院

承办单位

黄冈师范学院计算机与人工智能学院

国际应用科学与技术协会（IAAST）

微研学术

协办单位

武汉科技大学计算机科学与技术学院

武汉纺织大学计算机与人工智能学院

大会主席（排名不分先后）

Sos Agaian，美国纽约市立大学特聘教授

何中林，黄冈师范学院计算机与人工智能学院院长、教授

岳洋，西安交通大学教授

联席主席（排名不分先后）

Hong Shen，澳大利亚中央昆士兰大学教授

刘晓东，英国爱丁堡龙比亚大学教授

Rui Zhang，美国特拉华大学副教授

组织委员会主席（排名不分先后）

姜国松，黄冈师范学院计算机与人工智能学院副院长、教授

凌贺飞，华中科技大学教授

Ljiljana Trajković，加拿大西蒙弗雷泽大学教授

程晓敏，武汉理工大学教授

学术委员会主席（排名不分先后）

Pascal Lorenz，法国上阿尔萨斯大学教授

王中元，武汉大学教授

出版主席（排名不分先后）

何泾沙，青岛农业大学海都学院信息工程学院院长

Smain Femmam，法国上阿尔萨斯大学教授

组织委员会成员（排名不分先后）

Abid Yahya, Faculty of Engineering & Technology BIUST, Botswana

Able C. H. Chen, Chunghwa Telecom Co., Ltd., Taiwan, China

Alex Mathew, Bethany College, USA

Daniela Litan, Hyperion University, Romania

Dilip Kumar Pratihar, Indian Institute of Technology Kharagpur, India

Fairouz Kamareddine, Heriot-Watt University, UK

Francesco Zirilli, Sapienza Universita Roma, Italy

Gheorghe Grigoras, Technical University Gheorghe Asachi Iasi, Romania

Guoxin Su, University of Wollongong, Australia

Hamed Taherdoost, University Canada West, Canada

Hui Na Chua, Sunway University, Malaysia

Jayaprakash Kar, The LNM Institute of Information Technology, India

Joarder Kamruzzaman, Federation University, Australia

Junlin Xu, Wuhan University of Science and Technology, China

Lin-Ching Chang, The Catholic University of America, USA

Muazzam Ali Khan Khattak, Quaid-i-Azam University, Pakistan

Nasir Saeed, United Arab Emirates University (UAEU), UAE

Pavel Loskot, ZJU-UIUC Institute, China

Shuting Jin, Wuhan University of Science and Technology, China

Vishnu S. Pendyala, San Jose State University, USA

Vladimir G. Chigrinov, Hong Kong University of Science and Technology, HK

Xianfang Tang, Wuhan Textile University, China

Yajie Meng, Wuhan Textile University, China

Yousef Farhaoui, Moulay Ismail University, Morocco

Ziwei Luo, Wuhan Textile University, China

学术委员会成员（排名不分先后）

Aarti Amod Agarkar, Vishwakarma Institute of Technology, India

Addisson Salazar, Universidad Politécnica de Valencia, Spain

Alessio Faccia, University of Birmingham Dubai, UAE

Artur Czerwinski, Nicolaus Copernicus University in Torun, Poland

Fabrizio Marozzo, University of Calabria, Italy

Grigorios N. Beligiannis, University of Patras, Greece

Jay Kumar Pandey, Shri Ramswaroop Memorial University, India

Jia Chen, Central China Normal University, China

June Tay, Singapore University of Social Sciences, Singapore

Jun Liu, Wuhan Institute of Technology, China

Kali Charan Rath, GIET University, India

Kansong Chen, Hubei University, China

Kaya Kuru, University of Central Lancashire, UK

Lijun Dong, China University of Geosciences, Wuhan, China

Luis Martínez López, University of Jaén, Spain

Maki Habib, The American University in Cairo, Egypt

Mário F. S. Ferreira, University of Aveiro, Portugal

Md Abdus Samad Kamal, Gunma University, Japan

Md. Khaja Mohiddin, Bhilai Institute of Technology, India

Md. Shamsul Arefin, Bangladesh University of Business and Technology, Bangladesh

Meng Qu, Miami University-Oxford, USA

Michele Fiorini, Leonardo S.p.A., Italy

Mohamed-Slim Alouini, King Abdullah University of Science and Technology, Saudi Arabia

Mojtaba Ahmadieh Khanesar, University of Nottingham, UK

Muhammad Usman, University of Science and Technology Beijing, China

Nadeem Javaid, COMSATS University Islamabad,Pakistan

Nilgun Baydogan, Istanbul Technical University, Turkey

Pankaj Arora, Birla Institute of Technology & Science, India

Philip W. T. Pong, New Jersey Institute of Technology, USA

Prashan Premaratne, University of Wollongong, Australia

Radu-Emil Precup, Politehnica University of Timisoara, Romania

Raghu Para, Ford Motor Company, USA

Raja Sarath Kumar Boddu, Malla Reddy University, India

Ruhan He, Wuhan Textile University, China

Shashikant Patil, ATLAS SkillTech University, India

Sheng Du, China University of Geosciences, China

Simona Riurean, University of Petrosani, Romania

Sujata Dash, Nagaland University, India

Thameur Dhieb, University of Sfax, Tunisia

Vesna Zeljkovic, Lincoln University, USA

Vijayan K. Asari, University of Dayton, USA

Virgil-Florin Duma, Polytechnic University of Timisoara, Romania

Xiaojun Liu, Huanggang Normal University, China

Xiaoyong Zhou, China University of Geosciences, Wuhan, China

Xingbao Liu, Hunan University Of Technology and Business, China

Xuesong Xu, Hunan University Of Technology and Business, China

Yilun Shang, Northumbia University, UK

Yurong Guan, Huanggang Normal University, China

Zhanlong Chen, China University of Geosciences, Wuhan, China

Zhengli Liu, Wuhan Textile University, China

Zhengwu Lu, Wuhan Hexian Technology Co., Ltd., China

Zhouchao Wei, China University of Geosciences, Wuhan, China

Organization | 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications

Hosted by

Huanggang Normal University

Organized by

School of Computer Science and Artificial Intelligence, Huanggang Normal University

International Association of Applied Science and Technology (IAAST)

WeResearch

In association with

School of Computer Science and Technology, Wuhan University of Science and Technology

School of Computer Science and Artificial Intelligence, Wuhan Textile University

General Chairs (In no particular order)

Sos Agaian, City University of New York, USA

Zhonglin He, Huanggang Normal University, China

Yang Yue, Xi'an Jiaotong University, China

Co-Chairs (In no particular order)

Hong Shen, Central Queensland University, Australia

Rui Zhang, University of Delaware, USA

Xiaodong Liu, Edinburgh Napier University, UK

Organizing Committee Chairs (In no particular order)

Guosong Jiang, Huanggang Normal University, China

Hefei Ling, Huazhong University of Science and Technology, China

Ljiljana Trajković, Simon Fraser University, Canada

Xiaomin Cheng, Wuhan University of Technology, China

Academic Committee Chairs (In no particular order)

Pascal Lorenz, University of Haute Alsace, France

Zhongyuan Wang, Wuhan University, China

Publication Chairs (In no particular order)

Jingsha He, Dean of the School of Information Engineering, Haidu College, Qingdao Agricultural University, China

Smain Femmam, UHA University, France

Organizing Committee Members (In no particular order)

Abid Yahya, Faculty of Engineering & Technology BIUST, Botswana

Able C. H. Chen, Chunghwa Telecom Co., Ltd., Taiwan, China

Alex Mathew, Bethany College, USA

Daniela Litan, Hyperion University, Romania

Dilip Kumar Pratihar, Indian Institute of Technology Kharagpur, India

Fairouz Kamareddine, Heriot-Watt University, UK

Francesco Zirilli, Sapienza Universita Roma, Italy

Gheorghe Grigoras, Technical University Gheorghe Asachi Iasi, Romania

Guoxin Su, University of Wollongong, Australia

Hamed Taherdoost, University Canada West, Canada

Hui Na Chua, Sunway University, Malaysia

Jayaprakash Kar, The LNM Institute of Information Technology, India

Joarder Kamruzzaman, Federation University, Australia

Junlin Xu, Wuhan University of Science and Technology, China

Lin-Ching Chang, The Catholic University of America, USA

Muazzam Ali Khan Khattak, Quaid-i-Azam University, Pakistan

Nasir Saeed, United Arab Emirates University (UAEU), UAE

Pavel Loskot, ZJU-UIUC Institute, China

Shuting Jin, Wuhan University of Science and Technology, China

Vishnu S. Pendyala, San Jose State University, USA

Vladimir G. Chigrinov, Hong Kong University of Science and Technology, HK

Xianfang Tang, Wuhan Textile University, China

Yajie Meng, Wuhan Textile University, China

Yousef Farhaoui, Moulay Ismail University, Morocco

Ziwei Luo, Wuhan Textile University, China

Academic Committee Members (In no particular order)

Aarti Amod Agarkar, Vishwakarma Institute of Technology, India

Addisson Salazar, Universidad Politécnica de Valencia, Spain

Alessio Faccia, University of Birmingham Dubai, UAE

Artur Czerwinski, Nicolaus Copernicus University in Torun, Poland

Fabrizio Marozzo, University of Calabria, Italy

Grigorios N. Beligiannis, University of Patras, Greece

Jay Kumar Pandey, Shri Ramswaroop Memorial University, India

Jia Chen, Central China Normal University, China

June Tay, Singapore University of Social Sciences, Singapore

Jun Liu, Wuhan Institute of Technology, China

Kali Charan Rath, GIET University, India

Kansong Chen, Hubei University, China

Kaya Kuru, University of Central Lancashire, UK

Lijun Dong, China University of Geosciences, Wuhan, China

Luis Martínez López, University of Jaén, Spain

Maki Habib, The American University in Cairo, Egypt

Mário F. S. Ferreira, University of Aveiro, Portugal

Md Abdus Samad Kamal, Gunma University, Japan

Md. Khaja Mohiddin, Bhilai Institute of Technology, India

Md. Shamsul Arefin, Bangladesh University of Business and Technology, Bangladesh

Meng Qu, Miami University-Oxford, USA

Michele Fiorini, Leonardo S.p.A., Italy

Mohamed-Slim Alouini, King Abdullah University of Science and Technology, Saudi Arabia

Mojtaba Ahmadieh Khanesar, University of Nottingham, UK

Muhammad Usman, University of Science and Technology Beijing, China

Nadeem Javaid, COMSATS University Islamabad, Pakistan

Nilgun Baydogan, Istanbul Technical University, Turkey

Pankaj Arora, Birla Institute of Technology & Science, India

Philip W. T. Pong, New Jersey Institute of Technology, USA

Prashan Premaratne, University of Wollongong, Australia

Radu-Emil Precup, Politehnica University of Timisoara, Romania

Raghu Para, Ford Motor Company, USA

Raja Sarath Kumar Boddu, Malla Reddy University, India

Ruhan He, Wuhan Textile University, China

Shashikant Patil, ATLAS SkillTech University, India

Sheng Du, China University of Geosciences, China

Simona Riurean, University of Petrosani, Romania

Sujata Dash, Nagaland University, India

Thameur Dhieb, University of Sfax, Tunisia

Vesna Zeljkovic, Lincoln University, USA

Vijayan K. Asari, University of Dayton, USA

Virgil-Florin Duma, Polytechnic University of Timisoara, Romania

Xiaojun Liu, Huanggang Normal University, China

Xiaoyong Zhou, China University of Geosciences, Wuhan, China

Xingbao Liu, Hunan University Of Technology and Business, China

Xuesong Xu, Hunan University Of Technology and Business, China

Yilun Shang, Northumbia University, UK

Yurong Guan, Huanggang Normal University, China

Zhanlong Chen, China University of Geosciences, Wuhan, China

Zhengli Liu, Wuhan Textile University, China

Zhengwu Lu, Wuhan Hexian Technology Co., Ltd., China

Zhouchao Wei, China University of Geosciences, Wuhan, China



陈侃松

湖北大学教授。

研究领域：计算机视觉与人工智能、数字孪生、工业互联网等研发与应用。

陈侃松教授，剑桥大学博士后，博士生导师，美国圣母大学客座教授，获中央网信创新人才支持计划、湖北省楚天英才卓越工程师计划，中国知网高被引学者，湖北省制造业数字化转型专家咨询委员会委员，中文信息学会开源情报技术专委会委员，省级研究生工作站负责人，湖北大学智能传感中心工业传感团队负责人。获湖北省科技进步奖二等奖（排名第一）、中国商业联合会科技进步奖一等奖（排名第一）、湖北省技术发明奖三等奖（排名第一）、湖北省自然科学奖二等奖等，在国内外重要期刊上以第一作者或通讯作者发表论文 50 余篇，作为第一完成人获美国发明专利 2 项、中国发明专利 20 余项，软件著作权 40 余项。



王中元

武汉大学教授。

研究领域：多媒体信息处理与社会安全应用。

王中元，武汉大学计算机学院及国家多媒体软件工程研究中心（NERCMS）教授、博士生导师，曾主持国家自然科学基金 3 项一般项目和 1 项重点项目，以及湖北省 1 项重大技术创新项目。他曾担任“新一代宽带无线移动通信网络”国家重大科技项目副项目负责人，他研发的网络摄像机和视频服务器荣获 CES 创新设计与工程奖，并入选“全国十大创新安防产品”。他发表学术论文 50 余篇，多篇入选 ESI 高被引。作为第一发明人，他已获得 30 余项专利。他指导学生获得国际 TRECVID 竞赛冠军、IEEE 生物特征识别理事会最佳论文、PRICAI 2024 最佳学生论文。曾获得湖北省技术发明一等奖、广东省科技进步一等奖、吴文俊人工智能自然科学一等奖，先后荣获教育部、公安部、湖北省及广东省颁发的六项科技奖项。

特邀嘉宾 | 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications



Philip W. T. Pong

美国新泽西理工学院副教授。

研究领域：电网故障检测、预测性维护和异常检测。

Philip W. T. Pong 教授于 2005 年在剑桥大学获得工程学博士学位。他曾在美国国家标准与技术研究院磁性材料研究组担任博士后研究员。他是电力系统工程中心、绿色技术研究与培训实验室以及传感器研究实验室的创始主任，负责领导新泽西理工学院电力工程领域的研究与教育工作。他是英国工程与技术学会、英国物理学会、英国能源学会、英国材料、 矿产与采矿学会、香港工程师学会会士、特许物理学家、特许工程师、特许能源工程师以及 IEEE 资深会员。他担任多家 IEEE 和 SCI 期刊的编委。近期，他荣获 IEEE 电力与能源学会北泽西分会“杰出电力工程师奖”、新泽西理工学院“卓越中心奖——研究生教学卓越奖”和“教学卓越奖”。



Muhammad Ishfaq

黄冈师范学院副教授。

研究领域：虚拟药物筛选、高通量药物筛选、计算方法、化学信息学、动物健康、保护医学、药物再利用、药物作用机制、PK/PD、ADMET 特性、细胞和动物疾病模型的开发、转录组学、蛋白质组学、代谢组学和治疗靶点的鉴定。

Muhammad Ishfaq 教授于 2014 年获得巴基斯坦白沙瓦农业大学兽医科学学院颁发的兽医学博士学位。他分别于 2018 年和 2021 年在中国哈尔滨东北农业大学获得兽医基础医学硕士和博士学位。他已在国际期刊上发表论文 130 余篇，其中 35 篇以第一作者、并列第一作者或通讯作者身份发表，包括一篇发表于《科学》杂志的论文。他主编了学术专著《药物化学、药理学与毒理学中的计算方法》，并在学术专著中撰写了 16 篇章节。他拥有两项已公开的国际专利申请。此外，他还曾在国内外学术会议上发表研究成果。他担任《药理学前沿》副主编，并为多家国际知名期刊担任同行评审。他是英国药理学会的正式会员。

特邀嘉宾 | 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications

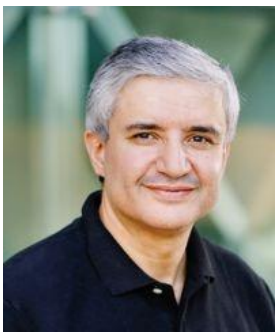


Muhammad Aamir

四川工商学院副教授。

研究领域：模式识别、计算机视觉、医学图像处理、深度学习和机器视觉。

Muhammad Aamir 于 2008 年在巴基斯坦信德省贾姆肖罗的梅赫兰工程与技术大学获得计算机系统工程学士学位。随后，他于 2014 年在中国重庆大学获得软件工程硕士学位，并于 2019 年在中国成都四川大学获得计算机科学与技术博士学位。此前，Aamir 教授曾任中国黄冈师范大学副教授兼楚天学者，凭借丰富的科研经验和丰硕的学术成果，Aamir 教授在模式识别、计算机视觉、医学图像处理、深度学习和机器视觉等多个领域做出了重要贡献。他的专业造诣以及对推动这些领域发展的奉献精神，使他被众多权威期刊聘为同行评审专家，并担任多个国际会议的组织委员会成员。



MOHAMED-SLIM ALOUINI

世界科学院院士、美国国家工程院外籍院士、沙特阿拉伯阿卜杜拉国王科技大学教授。

研究领域：MIMO 技术、多跳与协作通信、光无线通信系统、认知无线电系统、绿色通信系统、水下/海上通信系统及空天地一体化网络。

Mohamed-Slim Alouini 教授（IEEE、OPTICA 会士）拥有 30 年学术生涯。他研发了用于评估射频与无线光通信系统性能的分析与仿真工具，并面向新兴无线网络完成创新技术的设计与优化。他是阿卜杜拉国王科技大学电子与计算机工程（ECE）项目联合创始人，凭借在无线通信领域的开创性研究培养新一代工程人才。他发表大量会议与期刊论文，合著由威立国际科学出版的教材《衰落信道上的数字通信》。曾任 IEEE 期刊系列丛书主编；自 2025 年起担任自然合作期刊《npj·无线技术》无线技术创始主编，自 2022 年起担任《IEEE 航空航天与电子系统汇刊》编委，多年担任多个 IEEE 学会杰出讲师。



Zaheer Ahmed Dayo

黄冈师范学院副教授。

研究领域：设计和制造紧凑型、宽带、高增益天线、阵列和优化方案、有源和无源频率选择表面、多波段和缝隙天线、MIMO 天线方案、大规模 MIMO 和使用机器学习的图像增强方法。

Dayo 教授目前从事电磁波与传播领域的研究，尤其专注于微波与射频工程及测量领域。他拥有超过 12 年的丰富教学与研究经验。他的研究兴趣包括电子器件中的波传播行为、紧凑型天线的电路设计、适用于 5G/6G 及异构无线通信应用的 3D 天线阵列拓扑、现代卫星通信和军事雷达应用的天线、天线优化方案、多频段和槽天线、可重构及受超材料启发的天线、超表面、相控阵天线、有源和无源频率选择性表面（FSS）以及可重构智能表面（RIS）。



Hong Shen

澳大利亚中央昆士兰大学教授。

研究领域：算法、并行计算、网络技术、数据挖掘、数据隐私保护。

Hong Shen 教授是中山大学特聘教授，曾担任中山大学先进计算研究所的首任所长，他还是澳大利亚阿德莱德大学的兼职教授，此前曾在该校担任终身教授、计算机科学系主任长达 15 年。他获得北京科技大学学士学位、中国科学技术大学硕士学位以及芬兰埃博学术大学博士学位。他曾任日本先进科学技术研究所（JAIST）计算机网络实验室教授兼主任，以及格里菲斯大学计算机科学教授。他曾领导过多个国家的研究中心和项目。已发表论文 400 余篇，其中包括 100 余篇发表在 IEEE 和 ACM 各类交易刊物等主要国际期刊上的论文。曾获多项荣誉和奖项，并在专业学会、期刊编委会及会议委员会中担任过不同职务。

特邀嘉宾 | 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications

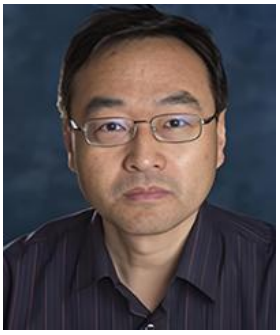


Jameel Ahmed Bhutto

黄冈师范学院副教授。

研究领域：安全大数据分析、计算机取证、网络安全、互联网安全、机器学习、网络安全。

Jameel Ahmed Bhutto 教授分别于 2010 年和 2016 年获得梅赫兰工程与技术大学电信工程学士学位和通信系统与网络工程硕士学位。他于 2022 年在中国广州华南理工大学获得模式识别与智能系统博士学位。自 2022 年 7 月起，他一直担任黄冈师范学院计算机科学与人工智能学院的副教授。他的研究成果展现了持续卓越的学术成就。他已在国际 SCI 期刊上发表论文 30 余篇，发表多篇国际会议论文，并在众多国内外学术会议上作过报告。他还主编过学术专著，并在不同学术文集中撰写了五篇以上的书章。此外，他还拥有两项国际专利，担任多家国际知名科学期刊的同行评审员，通过稿件评审为学术界提供支持。



刘晓东

英国爱丁堡纳皮尔大学教授。

研究领域：普适系统（物联网）、面向服务的架构、云服务的演变、智能驱动的智能系统。

刘晓东教授长期从事人工智能驱动软件工程领域研究。他主持 12 项校外科研项目，，并作为首席研究员成功领导或正在领导这些外部资助项目。现任智能驱动软件工程研究团队负责人，同时创办科创企业 FlexiCAGE Ltd。他累计发表 170 篇国际期刊及会议论文、5 篇书籍章节，拥有 1 项覆盖英国、美国及 PCT 国际范围的生成式组件适配专利。学术兼职丰富，历任多项 IEEE、IASTED 国际会议主席、联合主席及程序委员会委员，担任 2 本国际期刊副主编、3 本国际期刊编委及 3 部 IGI Global 学术手册主编，常年为 6 本国际期刊担任审稿人，为 IEEE 计算机学会高级会员、英国计算机学会会员。

特邀嘉宾 | 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications



Ziaur Rahman

黄冈师范学院副教授。

研究领域：图像处理、计算机视觉和深度学习的复杂性。

Ziaur Rahman 教授于 2012 年获得巴基斯坦白沙瓦大学计算机科学学士学位，2017 年获得重庆大学软件工程硕士学位。2021 年获得四川大学计算机科学博士学位。自 2024 年 11 月起，他担任中国黄冈师范大学计算机科学与人工智能学院副教授（2021 年至 2024 年期间曾任特聘副教授）。其研究成果展现了持续卓越的学术水准。他已发表 30 余篇国际 SCI 期刊论文以及多篇国际会议论文，并在众多国内外学术会议上作过报告。他还为学术专著撰写了章节，并担任多家国际知名科学期刊的审稿人，包括《IEEE 图像处理汇刊》、《下一代计算机系统》和《信号处理：图像通信》。他荣获湖北省教育厅授予的“楚天学者”称号（2024 年），并于 2025 年和 2026 年获得中国国家自然科学基金委员会（NSFC）的竞争性研究资助。

Speakers| 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications



Kansong Chen

Professor, Hubei University, China.

Research Interests: Research and application of computer vision, artificial intelligence, digital twin, industrial internet.

Prof. Kansong Chen is a postdoctoral fellow at the University of Cambridge, doctoral advisor, and visiting professor at the University of Notre Dame, recipient of the Central Cyberspace Administration of China’s Innovation Talent Support Program and the Hubei Province Chutian Talents Outstanding Engineer Program; a Highly Cited Scholar on CNKI, a member of the Hubei Provincial Expert Advisory Committee on Digital Transformation in Manufacturing. He has published more than 50 papers as the first or corresponding author in major domestic and international journals. As the principal inventor, he has obtained 2 U.S. patents and over 20 Chinese invention patents, together with over 40 software copyrights.



Zhongyuan Wang

Professor, Wuhan University, China.

Research field: Multimedia Information Processing and Applications in Public Safety.

Prof. Wang has presided over three general projects and one key project of the National Natural Science Foundation of China. He has published more than 50 academic papers, several of which are ESI highly cited papers. He has supervised students to win the championship of the international TRECVID competition, the Best Paper Award from the IEEE Biometrics Council, and the Best Student Paper Award at PRICAI 2024. He is the recipient of the First Prize of Hubei Provincial Technological Invention Award, the First Prize of Guangdong Provincial Science and Technology Progress Award, and the First Prize of Wu Wenjun Artificial Intelligence Natural Science Award.

Speakers| 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications



Philip W. T. Pong

Associate Professor, New Jersey Institute of Technology, USA.

Research Interests: Fault detection, Predictive maintenance, and Anomaly detection of power grid.

Philip W. T. Pong obtained a PhD in engineering at the University of Cambridge in 2005. He was a postdoctoral researcher at the Magnetic Materials Group at the National Institute of Standards and Technology for three years. He is the Founding Director of the Green Technology Research and Training Laboratory, leading the research and education activities of offshore wind energy at NJIT. He is a Fellow of the FIET, FInstP, FEI, FIMMM, FHKIE, FNS, a chartered physicist (CPhys), a chartered engineer (CEng), a chartered energy engineer, a registered professional engineer, and a Senior Member of IEEE. He serves on the editorial boards for several IEEE and SCI journals.



Muhammad Ishfaq

Associate Professor, Huanggang Normal University, China.

Research Interests: Machine learning-based virtual screening, AI-driven drug discovery, Computational pharmacology and toxicology, and Natural-product interventions against inflammatory and infectious diseases, Particularly drug-resistant bacterial infections.

Muhammad Ishfaq has published more than 130 international journal papers. He edited the academic book and has contributed 16 book chapters to scholarly volumes. He holds two published international patent applications. He serves as an Associate Editor of Frontiers in Pharmacology and as a peer reviewer for many internationally recognized journals. He is a Full Member of the British Pharmacological Society.

Speakers| 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications

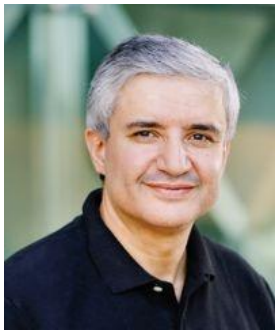


Muhammad Aamir

Associate Professor, Sichuan Technology and Business University, China.

Research Interests: Pattern recognition, Computer vision, Medical image processing, Deep learning, and Machine vision.

Dr. Aamir was an Associate Professor and Chutian Scholar at Huanggang Normal University, China, where he led research initiatives in artificial intelligence and medical imaging. With extensive research experience and a prolific publication record, Dr. Aamir has made significant contributions to various fields including pattern recognition, computer vision, medical image processing, deep learning, and machine vision. His expertise and dedication to advancing these areas have earned him recognition as a peer reviewer for numerous prestigious journals and as an organizing committee member for several international conferences.



MOHAMED-SLIM ALOUINI

Fellow of The World Academy of Sciences, Foreign Member of the National Academy of Engineering, King Abdullah University of Science and Technology, Saudi Arabia.

Research field: MIMO techniques; multi-hop and cooperative communications; optical wireless communication systems; cognitive radio systems; underwater/maritime communication systems and integrated ground-airborne-space networks.

Professor Alouini, an IEEE and OPTICA Fellow Professor Alouini, a co-founder of KAUST's ECE program. He has published numerous conference and journal papers and co-authored the textbook Digital Communication over Fading Channels, published by Wiley Interscience. He was also a series editor for the IEEE journal. Professor Alouini has been an IEEE Distinguished Lecturer for the IEEE Society for many years.

Speakers| 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications



Zaheer Ahmed Dayo

Associate Professor, Huanggang Normal University, China.

Research Interests: Antennas, Metasurfaces and Wireless Propagation.

Dr. Zaheer Ahmed Dayo has vast teaching and research experience of more than 12 years. His research interests include Modeling, Designing and Manufacturing of Compact, Flexible, High Performance Planar Antennas, Millimeter-wave Broadband MIMO Antennas, Wave propagation behavior in electronic devices, Circuit Design for the Compact Antennas, 3D antenna array topology for 5G / 6G and Heterogeneous Wireless Communication Applications, Antennas for modern SATCOM and Military RADAR Applications, Antenna Optimization schemes, Multiband and slot Antennas, Reconfigurable and metamaterial inspired Antennas, Metasurfaces, etc.



Hong Shen

Professor, Central Queensland University, Australia.

Research Interests: Algorithms, Parallel computing, Networking, Data mining, Data privacy protection.

Prof. Shen is a specially-appointed Professor in Sun Yat-sen University, China, where he was the foundation Director of SYSU's Institute for Advanced Computing. He is also an Adjunct Professor in the University of Adelaide, Australia, where he was a tenured Professor (Chair of Computer Science) for 15 years. Prof. Shen was Professor and Chair of the Computer Networks Laboratory in Japan Advanced Institute of Science and Technology (JAIST), and Professor of Computer Science at Griffith University. He has led numerous research centers and projects in different countries. He has published 400+ papers including over 100 papers in major international journals such as a variety of IEEE transactions.

Speakers| 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications

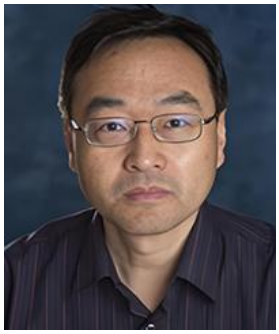


Jameel Ahmed Bhutto

Associate Professor, Huanggang Normal University, China.

Research Interests: Image fusion, Image enhancement, Artificial intelligence, Machine vision, and Machine learning.

Jameel Ahmed Bhutto research contributions demonstrate a sustained record of scholarly excellence. He has published more than 30 international SCI journal papers, multiple international conference papers, and has delivered presentations in many national and international conferences. He has edited academic book and contributed over five book chapters to different scholarly volumes. He has published two international patents. He serves as a peer reviewer for several internationally recognized scientific journals, supporting the academic community through manuscript evaluation.



Xiaodong Liu

Professor, Edinburgh Napier University, UK.

Research Interests: Pervasive systems (Internet of Things), Service-oriented architecture, Evolution of cloud services, Intelligence-driven smart systems.

Prof. Xiaodong Liu has been very active in the research in AI-driven software engineering, focusing on pervasive systems (Internet of Things), service-oriented architecture, evolution of cloud services, and intelligence-driven smart systems. He has won 12 external grants and successfully led or leading these externally funded projects with the role of principal investigator. Currently Prof. Liu leads the Intelligence-Driven Software Engineering Research Group. He is the founder a spin out company, FlexiCAGE Ltd. He has published 170 papers in refereed international journals and conferences and 5 book chapters. He is the regular reviewer of other 6 international journals. He is a senior member of IEEE Computer Society, and a member of British Computer Society.

Speakers| 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications



Ziaur Rahman

Associate Professor, Huanggang Normal University, China.

Research Interests: Intricacies of image processing, Computer vision, and Deep learning.

Ziaur Rahman has published more than 30 international SCI journal papers and multiple international conference papers. He has contributed to academic books with book chapters and serves as a peer reviewer for several internationally recognized scientific journals, including IEEE Transactions on Image Processing, Future Generation Computer Systems, and Signal Processing: Image Communication. He has been recognized with the CHUTIAN Scholar title from the Hubei Provincial Department of Education (2024) and has received competitive research grants from the National Natural Science Foundation of China (NSFC) in 2025 and 2026.

会议日程 | 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications

2026 年 11 月 7 日 会议地点：黄冈师范学院逸夫楼 308 学术报告厅 腾讯会议室链接：https://meeting.tencent.com/dm/AplEtHeeexNc 腾讯会议室 ID：386-815-781	
08:00-08:45	会议报到
09:00-09:10	开幕式
09:10-09:20	开幕致辞 致辞嘉宾：何中林，黄冈师范学院计算机与人工智能学院院长
09:20-09:30	合影
09:30-10:00	特邀报告 1 陈侃松，湖北大学教授 报告题目：视觉感知与智能传输驱动的交通基础设施全域监测关键技术及应用
10:00-10:30	特邀报告 2 王中元，武汉大学教授 报告题目：环境鲁棒的步态识别技术
10:30-10:50	茶歇 | 墙报展示
10:50-11:20	特邀报告 3 Philip W. T. Pong，美国新泽西理工学院副教授 报告题目：非接触磁传感在智能电网状态监测与异常检测中的应用：新机遇与备选方案
11:20-11:50	特邀报告 4 Muhammad Ishfaq，黄冈师范学院副教授 报告题目：面向治疗靶点强效化合物优选的可解释机器学习研究
11:50-12:00	证书颁发 | 合影
12:00-13:30	午餐 | 午休
13:30-14:00	特邀报告 1 Muhammad Aamir，四川工商学院副教授 报告题目：医疗人工智能：基于磁共振影像的脑肿瘤深度学习分类
14:00-14:30	特邀报告 2 Mohamed-Slim Alouini，世界科学院院士、美国国家工程院外籍院士、沙特阿拉伯阿卜杜拉国王科技大学教授 报告题目：充分释放平流层的应用潜力
14:30-15:00	特邀报告 3 Zaheer Ahmed Dayo，黄冈师范学院副教授 报告题目：面向 X 波段无线通信应用的圆形天线阵列设计
15:00-15:30	特邀报告 4 Hong Shen，澳大利亚中央昆士兰大学教授

	报告题目：量子机器学习的发展前景
15:30-16:00	**特邀报告 5** Jameel Ahmed Bhutto，黄冈师范学院副教授 报告题目：基于对比度增强与深度卷积网络的多模态医学图像融合（MMIF）
16:00-16:30	**特邀报告 6** 刘晓东，英国爱丁堡纳皮尔大学教授 报告题目：基于物联网的下一代智能系统面临的挑战及案例研究
16:30-17:00	**特邀报告 7** Ziaur Rahman，黄冈师范学院副教授 报告题目：V-Mamba：面向色彩保真微光图像增强的纯值状态空间模型
17:00-17:15	**口头汇报 1** 文洁宁，西安外国语大学 报告题目：文化遗产旅游评论的跨文化情感分析：基于大型语言模型的情感分析评分与人工标注的对比研究
17:15-17:30	**口头汇报 2** 辛晓颖，大连民族大学 报告题目：融合静态与动态特征的轻量化汉字识别及手写质量评估方法
17:30-17:40	**优秀颁奖+会议闭幕**

Program| 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications

November 7, 2026 Venue: Academic Report Hall, 308 Yifu Building, Huanggang Normal University VooV Meetiong Link: https://voovmeeting.com/dm/AplEtHeeexNc VooV MeetiongID: 386-815-781	
08:00-08:45	**Registration**
09:00-09:10	**Opening**
09:10-09:20	**Opening Speech** Opening Speaker: Prof. Zhonglin He, Dean of the School of Computer Science and Artificial Intelligence, Huanggang Normal University, China
09:20-09:30	**Group Photo**
09:30-10:00	**Keynote Speech 1:** Prof. Kansong Chen, Hubei University, China Title: Key Technologies and Applications for Full-Area Monitoring of Transportation Infrastructure Driven by Visual Perception and Intelligent Transmission
10:00-10:30	**Keynote Speech 2:** Prof. Zhongyuan Wang, Wuhan University, China Title: Environment-Robust Gait Recognition Technology
10:30-10:50	**Tea Break & Poster**
10:50-11:20	**Keynote Speech 3:** Prof. Philip W. T. Pong, New Jersey Institute of Technology, USA Title: Contactless Magnetic Sensing in Condition Monitoring and Anomaly Detection for Smart Grid: New Possibilities and Alternatives
11:20-11:50	**Keynote Speech 4:** Prof. Muhammad Ishfaq, Huanggang Normal University, China Title: Toward Explainable Machine Learning for Prioritizing Potent Compounds Against Therapeutic Targets
11:50-12:00	**Certificate Awarding & Photos**
12:00-13:30	**Lunch Break**
13:30-14:00	**Keynote Speech 1:** Prof. Muhammad Aamir, Sichuan Technology and Business University, China Title: AI in Healthcare: Deep Learning for Brain Tumor Classification from MRI
14:00-14:30	**Keynote Speech 2:** Prof. Mohamed-Slim Alouini, Fellow of The World Academy of Sciences, Foreign Member of the National Academy of Engineering, King Abdullah University of Science and Technology, Saudi Arabia Title: Tapping into the full potential of the Stratosphere

14:30-15:00	**Keynote Speech 3:** Prof. Zaheer Ahmed Dayo, Huanggang Normal University, China Title: Circular Shaped Antenna Array Design for X- band Wireless Communication Application
15:00-15:30	**Keynote Speech 4:** Prof. Hong Shen, Central Queensland University, Australia Title: The Promises of Quantum Machine Learning
15:30-16:00	**Keynote Speech 5:** Prof. Jameel Ahmed Bhutto, Huanggang Normal University, China Title: Multimodal Medical Image Fusion (MMIF) Using Contrast Enhancement and Deep Convolutional Network
16:00-16:30	**Keynote Speech 6:** Prof. Xiaodong Liu, Edinburgh Napier University, UK Title: Challenges in the Next Generation of IoT-based Smart Systems and Case Studies
16:30-17:00	**Keynote Speech 7:** Prof. Ziaur Rahman, Huanggang Normal University, China Title: V-Mamba: Value-Only State-Space Modeling for Color-Faithful Low-Light Image Enhancement
17:00-17:15	**Oral Presentation 1:** Jiening Wen, Xi'an International Studies University, China Title: Cross-Cultural Sentiment Analysis of Heritage Tourism Reviews: Benchmarking LLM-Based VAD Scoring Against Human Annotation
17:15-17:30	**Oral Presentation 2:** Xiaoying Xin, Dalian Minzu University, China Title: A Lightweight Method for Chinese Character Recognition and Handwriting Evaluation That Integrates Static and Dynamic Features
17:30-17:40	**Awards & Closing**

会议地点 | 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications

会议地点：黄冈师范学院南校区（湖北省黄冈市黄州区新港二路 146 号）

会场：黄冈师范学院逸夫楼 308 学术报告厅

交通：黄冈师范学院南校区距黄冈东站约 12 公里，距黄冈西站约 9.2 公里。



Venue| 第四届大数据、计算智能与应用国际会议

4th International Conference on Big Data, Computational Intelligence and Applications

Conference Venue: 146 Xingang Second Road, Development Zone, Huanggang, Hubei, China

Venue: Academic Report Hall, 308 Yifu Building, Huanggang Normal University

Traffic: Huanggang Normal University is approximately 12 km from Huanggangdong Railway Station; 9.2 km from Huanggangxi Railway Station.

