



西安电子科技大学
XIDIAN UNIVERSITY

2022丝绸之路电子科学与技术 国际产学研用合作会议

主办单位：教育部国际司、陕西省教育厅

承办单位：西安电子科技大学

会议时间：2022年11月5日 9:30-17:30

线上地址：Zoom会议(82618267493) 密码:20221105

会议地址：陕西省西安市雁塔区西安电子科技大学北校区会议中心203会议室

会议时间

2022年11月5日 9:30-17:30

组织机构

主办单位：教育部国际司、陕西省教育厅

承办单位：西安电子科技大学

会议地点

陕西省西安市雁塔区西安电子科技大学

北校区会议中心203会议室

9:30-9:45

开幕式

《2022丝绸之路电子科学与技术国际产学研用合作

会议》开幕式

主持人：吴家骥

1. 省教育厅副厅长刘宝平致辞

2. 西安电子科技大学副校长张进成致辞

9:45-10:00

合影 茶歇

10:00-11:30

专题报告第一场

1. 张陆洋教授

国外大学科技成果转移实证调研分析

2. 罗林波教授

科技成果专利布局与转化政策、模式和案例

3. 蔡觉平教授

嵌入式人工智能产教融合

14:00-15:30

专题报告第二场

4. 于建国博士

线上短视频教学的优势、弊端以及改进方案

5. 黄柏铭教授

人工智能与高性能计算在生物医学工程的应用

6. 王涛教授

光伏太阳能电池材料与器件

15:30-15:50

茶歇

15:50-17:20

专题报告第三场

7. 李政颖教授

光栅阵列智能传感网络研究及应用

8. 高连如研究员

高光谱遥感图像智能分析及应用

9. 袁鑫教授

单曝光压缩成像产业化分析与研究

17:20-17:30

会议总结

会议主题

《2022丝绸之路电子科学与技术国际产学研用合作会议》旨在讨论如何利用学校与企业、科研单位等多种不同的教育环境和教育资源以及在人才培养方面的各自优势,把以课堂传授知识为主的学校教育 with 直接获取实际经验、实践能力为主的生产、科研实践有机结合的教育形式。聚焦光电成像与计算这一领域,借助其快速发展的优势,推进光电成像与计算在信息电子科学与通信工程、医学、生命科学和机械等领域的发展。同时致力于为相关领域的学者、工程师及从业人员提供一个分享最新研究成果的平台,聚焦前沿话题、最新研究成果,共同开展学术探讨和专业交流。

张陆洋 Luyang Zhang

国外大学科技成果转移实证调研分析

复旦大学国际金融系教授、博导，复旦大学中国风险投资研究中心主任。

曾兼任三届上海证券交易所公司治理委员会专家委员、复旦复华上市公司董事长等；现任中国高校创新创业教育联盟特聘专家、中国金融学会副会长等；发表高质量论文三十余篇，是国务院2015年国发32号文五位起草专家之一；出版专著11本、教材3本，撰写的案例于2022年入选哈佛大学商学院案例库。

An Empirical Study on the Transfer of Scientific and Technological Achievements in Foreign Universities

Professor and Doctoral Supervisor of the Department of International Finance, Fudan University, Director of China Venture Capital Research Center, Fudan University.

He has also served as an expert member of the Corporate Governance Committee of the Shanghai Stock Exchange for three sessions, and the chairman of the listed company of Fudan Fuhua; Currently, he is a specially-appointed expert of the China University Innovation and Entrepreneurship Education Alliance, and the vice president of the China Society for Finance and Banking; He has published more than 30 high-quality papers, and is one of the five drafting experts of the State Council's 2015 Guofa No. 32 document; He has published 11 monographs and 3 textbooks, and the written cases will be included in the Harvard Business School case library in 2022.

罗林波 Linbo Luo

科技成果专利布局与转化政策、模式和案例

中部知光技术转移有限公司董事长、总经理，韩国汉阳大学电子计算机与通信专业博士。

“光谷3551人才计划”入选者、湖北省现代服务业领军人才、首批国家知识产权局专利分析和预警专家库专家、国家知识产权运营公共服务平台高校运营（武汉）试点平台负责人；熟悉图像处理芯片设计、高校院所成果转化与产业孵化管理与服务。

Policies, Models and Cases of Patent Layout and Transformation of Scientific and Technological Achievements

Chairman and General Manager of Chubu Zhiguang Technology Transfer Co., Ltd., Ph.D. in Computer and Communication from Hanyang University, Korea.

The winner of "Optics Valley 3551 Talent Plan", the leading talent in the modern service industry in Hubei Province, the first batch of experts in the patent analysis and early warning expert database of the State Intellectual Property Office, and the person in charge of the National Intellectual Property Operation Public Service Platform University Operation (Wuhan) Pilot Platform; Familiar with image processing chip design, achievement transformation of colleges and universities, and industrial incubation management and services.

蔡觉平 Jueping Cai

嵌入式人工智能产教融合

西安电子科技大学微电子学院教授博士生导师，学院创新实验室主任。担任西安市无线电通信学会理事、中国高校创新创业教育联盟专家组成员、西安市高新技术产业开发区创新创业导师；研究方向为嵌入式AI处理器芯片和软件设计，主持完成了国家863项目、国家自然科学基金等30多项科研任务；发表SCI论文50余篇，获得国家发明专利30余项，获得国家教学成果一等奖1项，省部级科技进步二等奖2项。

Embedded artificial intelligence integration of production and education

Professor and doctoral supervisor of the School of Microelectronics, Xidian University, and director of the innovation laboratory of the school.

Served as director of Xi'an Radio Communication Society, member of the expert group of China University Innovation and Entrepreneurship Education Alliance, and innovation and entrepreneurship mentor of Xi'an High-tech Industrial Development Zone; The research direction is embedded AI processor chip and software design, and has presided over and completed more than 30 scientific research tasks such as the National 863 Project and the National Natural Science Foundation of China; He has published more than 50 SCI papers, obtained more than 30 national invention patents, won 1 first-class national teaching achievement award, and 2 provincial and ministerial-level scientific and technological progress awards.

于建国 Jianguo Yu

线上短视频教学的优势、弊端以及改进方案

计算机工学博士，西安电子科技大学博士后（从事多模态机器学习研究），中国计算机学会科学普及工委委员。

有6年视频科普经验，在b站、知乎分别有115万和90万关注者，3000万视频播放量；做有《超智能体》、《学习观》、《断墨寻径》等科普系列，2020和2022年新知答主，知乎机器学习、人工智能、深度学习话题优秀答主，所做的新冠科普视频受人民日报、半月谈等媒体转载；针对视频教学的不足，研发了多模态科普网站平台(渐构 modevol.com)，2021年经人力资源社会保障部审批确定为“留学人员回国创业启动支持资金”重点创业项目。

Advantages, disadvantages and improvement plans of online short video teaching

Doctor of Computer Engineering, postdoctoral fellow of Xidian University (engaged in multimodal machine learning research), member of the Science Popularization Working Committee of China Computer Federation.

He has 6 years of experience in video science popularization, with 1.15 million and 900,000 followers on station B and Zhihu respectively, and 30 million video views; he has done popular science such as "Superintelligent Body", "Learning Concept", "Broken Ink and Seeking Path" Series, new knowledge answerers in 2020 and 2022, excellent answerers of Zhihu machine learning, artificial intelligence, deep learning topics, the new crown popular science videos made by People's Daily, Banyuetan and other media reprinted; In view of the lack of video teaching, many research and development The modal science website platform (gradually constructed modevol.com), approved by the Ministry of Human Resources and Social Security in 2021, will be approved as a "start-up support fund for overseas students returning to China to start a business" - a key entrepreneurial project.

黄柏铭 Bormin Huang

人工智能与高性能计算在生物医学工程的应用

教授，俄罗斯工程院外籍院士，英伟达CUDA Fellow、SPIE Fellow。

入选国家海外高层次人才计划，加盟清华大学深圳国际研究生院；之前在美国威斯康星大学麦迪逊分校二十几年，先后担任英伟达GPU研究中心主任、英特尔并行计算中心主任和空间科学与工程中心资深研究员；更早在美国宇航局兰利研究中心工作多年，团队赢得美国新千禧年新空间技术项目竞赛；在空间物理、红外遥感技术、卫星超光谱数据压缩芯片、高性能并行计算等多个领域的科研居于世界领先地位；回国后积极投入被美国卡脖子的国家重点芯片的研发。

Application of artificial intelligence and high performance computing in biomedical engineering

Professor, foreign academician of the Russian Academy of Engineering, NVIDIA CUDA Fellow, SPIE Fellow.

He was selected into the National Overseas High-level Talent Program and joined the Shenzhen International Graduate School of Tsinghua University. He previously worked at the University of Wisconsin-Madison for more than 20 years, and served as the director of the NVIDIA GPU Research Center, the director of the Intel Parallel Computing Center, and a senior at the Space Science and Engineering Center. Researcher; worked in NASA Langley Research Center for many years earlier, and the team won the New Millennium New Space Technology Project Competition in the United States; in space physics, infrared remote sensing technology, satellite hyperspectral data compression chips, high-performance parallel computing, etc. The scientific research in the field is in a leading position in the world; after returning to China, he has actively invested in the research and development of national key chips that have been stuck by the United States.

王 涛 Tao Wang

光伏太阳能电池材料与器件

武汉理工大学教授，材料与微电子学院院长，英国皇家化学会会士，国家级青年人才，湖北省特聘专家，湖北省杰出青年基金获得者。

2009 年获英国 University of Surrey 物理学博士学位，之后在英国 University of Sheffield 从事博士后研究；2013 年加入武汉理工大学，主要从事太阳能电池材料与器件领域的研究，已在 Joule, Advanced Materials, Angewandte Chemie International Edition, Nano Letters 等期刊上发表 SCI 论文 140 余篇，应邀在 Reports on Progress in Physics 等期刊撰写综述论文 10 篇；主持国家自然科学基金青年项目、面上项目及国际合作项目 5 项，获授权国家发明专利 10 项。

Photovoltaic solar cell materials and devices

Professor of Wuhan University of Technology, Dean of the School of Materials and Microelectronics, Fellow of the Royal Society of Chemistry, National Young Talent, Distinguished Expert of Hubei Province, winner of Hubei Province Outstanding Youth Fund.

In 2009, he received his Ph.D. in Physics from the University of Surrey, UK, and then worked as a postdoctoral researcher at the University of Sheffield, UK. In 2013, he joined Wuhan University of Technology, mainly engaged in research in the field of solar cell materials and devices. He has worked in Joule, Advanced Materials, Angewandte Chemie International Edition, published more than 140 SCI papers in journals such as Nano Letters, and was invited to write 10 review papers in journals such as Reports on Progress in Physics; presided over 5 youth projects, general projects and international cooperation projects of the National Natural Science Foundation of China, and was authorized 10 national invention patents.

李政颖 Zhengying Li

光栅阵列智能传感网络研究及应用

武汉理工大学信息工程学院教授，博导。

入选国家级高层次人才青年项目，荣获“全国向上向善好青年”、“湖北青年五四奖章”和“湖北省高等学校优秀共产党员”；长期从事光纤传感技术研究，主持国家级和省部级科研项目10余项，在国内外重要学术期刊和会议发表论文近百篇；十余年来积极投身产学研合作，开展前沿创新研究，促进科技成果转化，获得中国建筑材料联合会技术发明一等奖1项，湖北省专利奖金奖1项。

Research and Application of Grating Array Intelligent Sensor Network

Professor, Ph.D. Supervisor, School of Information Engineering, Wuhan University of Technology.

Selected into the national high-level talent youth program, and won the "National Upward and Good Youth", "Hubei Youth May 4th Medal" and "Outstanding Communist Party Member of Hubei Province Colleges and Universities". He has been engaged in the research of optical fiber sensing technology for a long time, presided over more than 10 national and provincial scientific research projects, and published nearly 100 papers in important academic journals and conferences at home and abroad; Promote the transformation of scientific and technological achievements, and won 1 first prize for technical invention of China Building Materials Federation and 1 patent award in Hubei Province.

高连如 Lianru Gao

高光谱遥感图像智能分析及应用

中科院空天信息创新研究院研究员、博导。

研究方向为高光谱遥感图像处理与信息提取，是 IET Fellow，曾获得国家优青项目资助；近十年，先后主持了国家重点研发计划课题、国家自然科学基金、国家高分专项项目等国家和部委级科研项目 10 余项；已发表学术论文 200 余篇，其中 SCI 收录 130 余篇，11 篇论文入选 ESI 高被引论文（含 ESI 热点论文 5 篇）；获得国家发明专利授权 29 项；出版《高光谱图像信息提取》等学术著作 3 部；获得国家科技进步二等奖、中科院杰出科技成就奖、部委级科技进步一等奖各 1 项，获得 2021 年度 WHISPERS 会议的杰出论文奖；现担任 IET ImageProcessing 期刊的副主编以及 Chinese Geographical Science、中国图象图形学报的编委，是 IGARSS 会议评奖委员会委员、WHISPERS 会议技术委员会委员、工信部空间光电探测与感知重点实验室学术委员会委员。

Intelligent Analysis and Application of Hyperspectral Remote Sensing Image

Researcher and doctoral supervisor of the Institute of Aerospace Information Innovation, Chinese Academy of Sciences.

The research direction is hyperspectral remote sensing image processing and information extraction. He is an IET Fellow and has been funded by the National Excellent Youth Program. In the past ten years, he has presided over the national key research and development plan projects, the National Natural Science Foundation of China, and the National High Score Special Project. More than 10 scientific research projects at the ministerial level; more than 200 academic papers have been published, of which more than 130 are included in SCI, 11 papers have been selected as ESI highly cited papers (including 5 ESI hot papers); 29 national invention patents have been authorized; published 3 academic works including "Hyperspectral Image Information Extraction"; won the second prize of the National Science and Technology Progress Award, the Chinese Academy of Sciences Outstanding Science and Technology Achievement Award, and the first prize of the Ministry of Science and Technology Progress Award, and won the 2021 WHISPERS Conference Outstanding Paper Award; Deputy Editor-in-Chief of IET ImageProcessing Journal and editorial board member of Chinese Geographical Science and Chinese Journal of Image Graphics. He is a member of the IGARSS Conference Award Committee, a member of the WHISPERS Conference Technical Committee, and a member of the Academic Committee of the Key Laboratory of Space Photoelectric Detection and Perception of the Ministry of Industry and Information Technology.

单曝光压缩成像产业化分析与研究

西湖大学副教授、特聘研究员。

2021 年入选国家海外高层次人才，浙江省高层次人才；2020、2021 年连续两年入选斯坦福大学世界前 2% 科学家，香港理工大学博士 (2012 年)，美国杜克大学博士后 (2012-2015 年)，20 多项国际专利的发明者，2015-2021 年担任美国贝尔实验室视频分析与编码首席研究员；研究领域涵盖计算成像、机器学习、光学、计算机视觉、图像处理、信号处理等；发表国际顶级期刊论文 (如 IEEE SPM, TPAMI, TIP, TSP, Cell Patterns, Optica) 和顶级会议 (如 CVPR, ICCV, ECCV, ICML, NeurIPS) 论文超过 160 篇，谷歌学术引用超过 5900 次 (截至 2022 年 10 月，H 指数 40)；担任多家期刊编委，是国际上单曝光压缩成像的主要推动者，获得多项最佳论文奖并受邀在国际会议上报告 20 多次。

Industrialization Analysis and Research of Single Exposure Compression Imaging

Associate Professor and Distinguished Researcher of Westlake University. In 2021, he was selected as a national overseas high-level talent and a high-level talent in Zhejiang Province; in 2020 and 2021, he was selected as one of the top 2% scientists in the world by Stanford University for two consecutive years, the inventor of more than 20 international patents, served as the chief researcher of video analysis and coding at Bell Labs in the United States from 2015 to 2021; research fields cover computational imaging, machine learning, optics, computer vision, image processing, signal processing, etc.; published international Top journal papers (such as IEEE SPM, TPAMI, TIP, TSP, Cell Patterns, Optica) and top conferences (such as CVPR, ICCV, ECCV, ICML, NeurIPS) more than 160 papers, Google Scholar more than 5900 times (as of 2022 10 Month, H index 40); served as editorial board member of many journals, is the main promoter of single-exposure compression imaging in the world, won many best paper awards and was invited to report at international conferences for more than 20 times.

聚焦前沿话题 最新研究成果

共同开展学术探讨和专业交流

主办单位：教育部国际司、陕西省教育厅
承办单位：西安电子科技大学
会议地址：陕西省西安市雁塔区西安电子科技大学
北校区会议中心203会议室

2022丝绸之路电子科学与技术国际产学研用合作会议