郑州轻工业大学
ZHENGZHOU UNIVERSITY OF LIGHT INDUSTRY

郑州轻工业大学分会场：机械工程
（先进材料、智能制造、人工智能）研讨会

2022 International Conference on the Cooperation and Integration of Industry,
Education, Research and Application

Mechanical Engineering (Advanced Material,
Intelligent Manufacturing, Artificial Intelligence) Sub-forum at Zhengzhou University of Light Industry

会议日程（Agenda）

日 期：12月16日
Date: Dec. 16th, 2022

协办单位:郑州轻工业大学
Co-organizer: Zhengzhou University of Light Industry

会议主题（THEME）

围绕河南装备制造万亿产业创新发展需求，聚焦掘进机、新能源汽车、医疗器械等整机装备的智能化和新材料研发等领域，开展新材料研发、基础零部件性能优化、装备智能化的基础与应用基础研究。

Centering on the innovation and development needs of trillion-level equipment manufacturing industries in Henan, carry out the research and development of new materials, performance optimization of basal parts and components, and basic research of equipment intelligence application in the field of intelligent and new material research and development of complete equipment such as roadheader, new energy automobile, and medical equipment.

重点解决轴承、齿轮、液压元器件等基础部件所需特种新材料研发、新能源汽车"三电"材料研发和系统集成、新型隧道掘进装备关键技术突破和产业化应用、医工融合关键技术研发等重大问题。

Concentrate on efforts to resolve difficulties in the research and development of new special materials for bearings, gears, hydraulic components and other basal components, the material research and development and system integration of new energy automobile and EIC, the major technology breakthroughs and industrial application of new tunneling machines, and the key technology research and development of medical-industrial integration.

郑州轻工业大学分会场：机械工程（先进材料、智能制造、人工智能）研讨会

The Agenda of Mechanical Engineering (Advanced Material, Intelligent Manufacturing, Artificial Intelligence) Sub-forum at ZZULI

日程安排（AGENDA）

时 间 (Time)	会议内容 (Content)	主持人 (Chair)	主讲人 （Speaker）
8:30 - 8:50	一、开幕式 I. Opening Ceremony	白艳红 副校长 Yanhong Bai (The Vice President of Zhengzhou University of Light Industry)	魏世忠 校长 Shizhong Wei (The President of Zhengzhou University of Light Industry)
时 间 (Time)	二、学术报告 II. Academic Presentation	主持人 (Chair)	主讲人 （Speaker）
8:50 - 9:05	磁活性智能材料的研究进展 (Developments in Magneto-Active Intelligent Materials)	郑州轻工业大学学科办 肖艳秋主任、教授 Prof. Yanqiu Xiao (The Director of Academic Development Office of Zhengzhou University of Light Industry)	Subhash Rakheja 肯考迪娅大学 (Concordia University)
9:05 - 9:20	河南科技大学机械工程学科介绍 (Introduction to Mechanical Engineering of Henan University of Science and Technology)		谷瑞杰 河南科技大学 Ruijie Gu (Henan University of Science and Technology)
9:20 - 9:35	超薄碳纤维复合材料的发展与应用 (Development and application of ultra-thin carbon fiber composites)		吴海宏 河南工业大学 Haihong Wu (Henan University of Technology)
9:35 - 9:50	电场对电动汽车零部件润滑的影响 (Electric Field Effects on Lubrication of Electric Vehicle Components-Future Trends)		Gary Barber 奥克兰大学 (Oakland University)
9:50-10:05	起重机与智能制造 (Cranes and intelligent manufacturing)		聂福全 卫华集团 Fuquan Nie(Wei Hua Group)
10:05-10:20	基于人工智能的机械臂前端触觉感知 (Tactile Perception of Robotic Forearm based on Artificial Intelligence)		王 慰 纽约州立大学 Wang Wei (State University of New York)

10:20-10:35	机械工程材料的火安全策略 (Fire safety strategies for mechanical engineering materials)	河南科技大学机电工程学院 谷瑞杰院长、教授 Prof. Ruijie Gu (The Dean of the School of Mechatronics Engineering of Henan University of Science and Technology)	王德义 西班牙马德里高等材料研究院 Deyi Wang (IMDEA Materials Institute, Madrid, Spain)
10:35-10:50	先进材料力学 (Advanced material mechanics)		卢春生 澳大利亚科廷大学 Chunsheng Lu (Curtin University)
10:50-11:05	双目视觉技术的定位精度分析与工程应用 (Positioning accuracy analysis and engineering application based on binocular vision technology)		费致根 郑州轻工业大学 Zhigen Fei (Zhengzhou University of Light Industry)
11:05-11:20	基于脑机接口的康复机器人及其大数据系统 (Rehabilitation robot and its big data system based on brain computer interface)		尚 鹏 中国科学院深圳先进技术研究院 Shang Peng (Shenzhen Institute of Advanced Technology，Chinese Academy of Sciences)
11:20-11:35	低速风洞中湍流强度对风轮机性能及尾流恢复能力影响的试验研究 (Experimental Study of Turbulence Intensity Influence on Wind Turbine Performance and Wake Recovery in a Low-Speed Wind Tunnel)		束方军 新墨西哥州立大学 Fangjun Shu (New Mexico State University)
11:35-11:50	烟气冷凝与CO2捕获的集成系统研究 (Integration of flue gas condensation with CO2 capture)		张文楠 瑞典中部大学 Wennan Zhang (Mid Sweden University)

Zoom 会议

https://us02web.zoom.us/j/87556061379?pwd=MkxuZUZ4d1A0VnZGQ2I2SkpaS2RKZz09

会议号 (Conference No.)：875 5606 1379