

2024国际无线电能传输技术会议

2024 INTERNATIONAL CONFERENCE ON WIRELESS POWER TRANSFER TECHNOLOGY (ICWPT2024)

主办单位：

中国电工技术学会

联合主办：

小米公司

承办单位：

中国矿业大学
中国矿业大学(北京)
中国电工技术学会无线电能传输技术专业委员会
中国电源学会无线电能传输技术及装置专业委员会

协办单位：

空间电源全国重点实验室 《电工技术学报》
《中国电机工程学报》 《电力系统自动化》
《电机与控制学报》 《Wireless Power Transfer》
国家无线电能传输技术国际联合研究中心

2024年10月11-13日 中国·徐州

11th-13th October 2024 Xuzhou, China



电工技术学报
TRANSACTIONS OF CHINA ELECTROTECHNICAL SOCIETY



空间电源全国重点实验室
State Key Laboratory of Space Power-sources



中国电机工程学报
PROCEEDINGS OF THE CSEE



电力系统自动化
AUTOMATION OF ELECTRIC POWER SYSTEMS



电机与控制学报
ELECTRIC MACHINES AND CONTROL

Wireless Power
Transfer



ICWPT2024 Agenda				
Day 1, 2024/10/11				
Tutorial Session				
Time	Speaker	Report Title	Location	Host
14:00 - 15:30	Prof. Liangzong He Xiamen University	Multi-dimensional regulation of efficient and robust magnetic-coupled wireless power transfer	Hanyuan Hall on Floor 1	Dr. Shuai Dong Harbin Institute of Technology
	Prof. Zixuan Yi Shanghai University	MHz magnetic resonance wireless power transfer: new features and advanced performance	Daming Hall on Floor 1	Dr. Changsong Cai Wuhan University
16:00 - 17:30	Prof. Yong Li Southwest Jiaotong University	Environmental energy harvesting technologies for sensors in power supply systems	Hanyuan Hall on Floor 1	Dr. Yan Zhou Nanjing University of Posts and Telecommunications
	Prof. Li Ji China University of Petroleum	Research on the application of wireless power transmission technology in the oil and gas field	Daming Hall on Floor 1	Dr. Huan Yuan Xi'an Jiaotong University
Day 2, 2024/10/12				
ICWPT2024 Opening Ceremony				
Time	Speaker	Report Title	Location	Host
8:30 - 9:00	- Prof. ZHU Chunbo Harbin Institute of Technology - Prof. BIAN Zhengfu China University of Mining and Technology - Prof. WU Xiaojie China University of Mining and Technology - Prof. HU Aiguo University of Auckland - Prof. YANG Qingxin Tianjin University of Technology	ICWPT2024 Opening Ceremony	Kaiyuan Hall on Floor 1	Prof. Chenyang Xia China University of Mining and Technology
	Keynote Session 1-2			
9:00-9:30	Prof. Baoyan Duan Xidian University	逐日工程：全链路全系统欧米伽SSPS地面验证系统	Kaiyuan Hall on Floor 1	Prof. Chengbin Ma Shanghai Jiaotong University
9:30-10:00	Prof. Yongxin Guo City University of Hong Kong	Efficient Wireless Power Transfer for IoTs and Biomedical Applications		
10:00-10:30	Group Photo			Dr. Xu Liu China University of Mining and Technology
Keynote Session 3-5				
10:30-11:00	Paul Struhsaker Wireless Power Consortium	Undetermined	Kaiyuan Hall on Floor 1	Prof. Minfan Fu ShanghaiTech University
11:00-11:30	Prof. Paul D. Mitcheson Imperial College London	Pushing the Power and Frequency Limit of IPT: Is it advantageous to operate multi-kW level IPT at MHz?		
11:30-12:00	Prof. Naoki Shinohara Kyoto University	Electricity like the Air - Technology and Applications of Wireless Power		
Keynote Session 6-8				
14:00-14:30	Prof. Chi-Kwan LEE University of Technology Sydney	Wireless Power Transfer – Material, Circuits and Applications	Kaiyuan Hall on Floor 1	Prof. Xin Dai Chongqing University
14:30-15:00	Prof. Hongjie Wang Utah State University	Advancing Electrified Roadways: Pilots, Large-scale Challenges, and Beyond		
15:00-15:30	Li Zeng NuVolta Technologies	Latest Development of Wireless Fast Charging Technology for Mobile Terminals		
15:30-16:00	Tea Break			
Keynote Session 9-10				
16:00-16:30	Prof. Nejila Parspour University of Stuttgart	Inductive Power Transfer – What you can expect	Kaiyuan Hall on Floor 1	Dr. Zhichao Luo South China University of Technology
16:30-17:00	Prof. Nuno Borges Carvalho University of Aveiro	Net Zero Radio Communications Use of SWIPT for IOT Applications		
Banquet				
18:00-19:50	晚会环节: (1) 优秀论文颁奖 (主持人: 谭林林 东南大学); (2) 大会服务奖颁奖 (主持人: 陈婷 河北工业大学); (3) 明年会议举办地公布 (主持人: 廖志娟 中国矿业大学); (4) 趣味小活动和奖品丰富的抽奖活动。(特等奖: 笔记本电脑一台) (主持人: 赵雷 重庆大学)		Kaiyuan Hall	Dr. Cancan Rong China University of Mining and Technology
20:00-22:00	湖上观彭城风华演出 20点出发 (酒店上车); 演出时间: 20: 40~22: 00。		Embarkation Area	Dr. Zhijuan Liao China University of Mining and Technology
Day 3, 2024/10/13				
Oral Session				
Time	Program		Location	Host
8:30-12:00	Industrial, Academic and Research Association Roundtable Forum (产学研促进会圆桌论坛)		Taihe Hall (太和厅)	Chair: Chunbo Zhu Harbin Institute of Technology Co-chair: Weidong Chen TEK Systems
8:30-10:15	Oral Session 1A Optimized Design of Coupling Mechanism and Ultrasonic Laser Energy Transfer 耦合机构优化设计与超声激光传能 (详细信息见会议程序册)		Hanyuan Hall (含元厅)	Chair: Li Ji China University of Petroleum Co-Chair: Pan Sun Naval University of Engineering
	Oral Session 1B Electric Field Type and High-Power Wireless Power Transfer 电场式与大功率无线电能传输 (详细信息见会议程序册)		Daming Hall (大明厅)	Chair: Qijun Deng Wuhan University Co-chair: Fengwei Chen Chongqing University
10:30-12:00	Oral Session 2A New Power Electronics Technology 新型电力电子技术 (详细信息见会议程序册)		Hanyuan Hall (含元厅)	Chair: Siqi Li Kunming University of Science and Technology Co-chair: Hongsheng Hu Chongqing University
	Oral Session 2B Simultaneous Wireless Power and Information Transfer Technology 能量信息同传技术 (详细信息见会议程序册)		Daming Hall (大明厅)	Chair: Zhicong Huang South China University of Technology Co-chair: Yang Chen Southwest Jiaotong University
Poster Session				
13:30-15:00	Poster Session (详细信息见会议程序册)		Floor 1	Chair: Wei Zhou Southwest Jiaotong University Co-chair: Zhongyu Dai Hebei University of Technology
Oral Session				
15:20-17:05	Industrial Oral Session Engineered Application Technology for Wireless Power Transfer 无线电能传输工程化应用技术 (详细信息见会议程序册)		Taihe Hall (太和厅)	Chair: Bo Long Xiaomi Corp Co-chair: Senyi Liu Tongji University
	Oral Session 3A Electromagnetic Safety and Low-Power Wireless Power Transfer 电磁安全与低功率无线传能 (详细信息见会议程序册)		Hanyuan Hall (含元厅)	Chair: Zhiyuan Cheng Shanghai University of Electric Power Co-chair: Jiantao Zhang Harbin Institute of Technology
	Oral Session 3B Unmanned Equipment and Special Conditions Wireless Power Transfer 无人装备及特种工况无线电能传输 (详细信息见会议程序册)		Daming Hall (大明厅)	Chair: Shuai Wu Harbin Institute of Technology, Weihai Co-chair: Xin Gao Harbin Institute of Technology



会议信息

- 会议形式：线下—徐州开元名都大酒店
- 会 务 组：刘 旭 中国矿业大学 15162229971
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