



May 23-25, 2025
Chongqing, China



CALL FOR PAPERS

IEEE International Conference on Electrical Energy Conversion Systems and Control

2025 IEEE International Conference on Electrical Energy Conversion Systems and Control (IEEE IEESCSC 2025) will be held in Chongqing, one of the biggest cities in China. The conference aims to provide an excellent platform for researchers in electrical and electronic engineering from academia and industry around the world to exchange their research findings.

The conference is sponsored by Chongqing University, Tsinghua University, Shanghai Jiao Tong University and IEEE, organized by Shanghai Electrical Apparatus Research Institute. IEESCSC features keynote speeches, oral presentations, and other academical activities aimed at creating a more efficient electrical systems. The scopes includes electrical machines and drives, power, energy, controls.

Located in southwest China, Chongqing, known as the 'mountain city', is renowned for its picturesque mountain-river landscapes and rich cultural heritage. A popular tourism destination, it boasts attractions like the Three Gorges and Dazu Rock Carvings. As a leading manufacturing center in western China, Chongqing seamlessly blends traditional Ba, Three Gorges, and Three Kingdoms cultures with modern urban development. Famous for its cuisine and hotpot, the city offers a delightful culinary experience. With its dynamic growth, historic charm, and cultural richness, Chongqing is a must-visit destination that beautifully combines history, culture, and modernity.

TOPICS

- Electrical Engineering Technology
- Transportation Electrification
- Aviation Electrical
- Extreme Environmental Electrical Equipment
- Efficient Energy Conversion
- Integrated Energy System
- Electrical Control Science and Control Engineering
- Electrical Energy Materials and Devices
- Converter and Inverter
- Electric Vehicle Technology
- Power Electronics and Industrial Applications
- Electrical Materials and Processes
- Electric Traction System and Control
- Computational Intelligence in Electrical Engineering
- Operation and Planning of New Power Systems
- Smart Power Distribution & Utilization Systems
- Transformer
- Power Disaster and Protection
- High Voltage and Insulation Technology
- Wind Power Patrol Technology of UAV
- Data Sciences Techniques in power engineering
- AI/Machine Learning Application in Power Systems
- Smart Grid
- Power and Energy System Applications
- Impact of Smart Grid on Distributed Energy
- Deployable Microgrid
- Large Scale Renewable Energy Integration and Consumption
- Large Power Grid Flexible Interconnection
- Large Scale Power Grid Safety Control
- Renewable Energy Grid
- Urban Photovoltaic Applications and Microgrids
- Power Transmission and Distribution System and Equipment
- Computer and Artificial Intelligence Applications in Power Industry
- Electricity Market and Power System Economics
- Power Quality and Electromagnetic Compatibility
- Power System Planning and Scheduling
- Power System Protection, Operation, and Control
- Reliability and Safety of Power System
- Planning, Operation, and Control of Transmission and Distribution Networks
- Fault Diagnosis and Status Monitoring of Power System
- Electric Machines Design and Optimization
- High-efficiency Machines and Drives
- AC and DC Machines and Drives
- Reluctance Machines and Drives
- Permanent Magnet Machines and Drives
- Advanced Control Strategies for Electrical Machines
- Fault Diagnosis and Condition Monitoring
- Electric Propulsion Systems
- Electrical Vehicle Drivers and Applications
- Electric Vehicle Charging Infrastructure
- Global Energy Interconnection
- Renewable Energy Sources
- Energy Management and Environmental Issues
- Energy Transmission
- Wind Energy Systems
- Solar Energy Systems
- Hydrogen Energy Systems
- Fuel Cell
- New Energy
- Energy Transformation from New Energy System to Power Grid
- Reliability, Maintenance and Safety of New Energy
- Energy Storage and Distributed Energy
- Energy Technology
- Electrical and Power Energy-Saving Technology
- Energy Storage Technology
- Renewable Energy Thermal Energy and Power Engineering
- Energy Engineering and Environmental Engineering
- Nuclear Energy Engineering and Nuclear Power Technology
- Clean Energy Development
- Thermal Engineering and Thermodynamics
- Energy Conversion and Energy Efficiency
- Hydroelectric Power Generation, Geothermal and Tidal Solar Power Generation
- Special Session 01: Energy Conversion Techniques in Transportation Electrification
- Special Session 02: Improving Power Density of Electrical Machines by Application of Advanced Materials

PAPER SUBMISSION

The accepted papers after registration and presentation will be included into IEEE IEESCSC 2025 Conference Proceedings. The proceedings will be submitted for inclusion in the IEEE Xplore Digital Library and EI indexing.

Additionally, outstanding conference papers will be recommended for publication in journals, including CSEE Journal of Power and Energy Systems, Protection and Control of Modern Power Systems (PCMP), Chinese Journal of Electrical Engineering (CJEE), and Energy Conversion and Economics (ECE) and other journals.

Submission Guideline

- Manuscripts must be written in English.
- The manuscript should be written in accordance with the standard of template.
- The paper should be at least **FIVE** Pages including all figures, tables, and references.
- Your manuscript should be submitted as a PDF document in .pdf format.
- Plagiarism is prohibited.
- Duplicate submission is prohibited.
- Innovation and scientific value is a must.



Scan the QR code or click the following links to submit your paper.
<https://easychair.org/conferences/?conf=ieescsc2025>

IMPORTANT DATES

- Submission Deadline:** Feb. 17, 2025
- Notification of Acceptance Deadline:** Mar. 20, 2025
- Final Paper Submission Deadline:** Apr. 30, 2025
- Conference Dates:** May 23-25, 2025

CONTACT US

CONFERENCE SECRETARY:

Stella Yang
EMAIL: iee-iecsc@youngac.cn
PHONE: +86-19136140052 (WeChat)
+086 028-87555888

GENERAL SECRETARY:

Ms. Man Chen
EMAIL: chenman@seari.com.cn
PHONE: +86-17612152408 (WeChat)

CONFERENCE COMMITTEE

General Chairs

- Hui Li, Chongqing University, China
- Xi Xiao, Tsinghua University, China
- Qiang Gao, Shanghai Jiao Tong University, China

International Steering Committee Chairs

- Ion Boldea, University Politehnica of Timisoara, Romania
- Zi-Qiang Zhu, University of Sheffield, UK
- Fred Wang, University of Tennessee– Knoxville, USA
- Fang Z. Peng, Florida State University, USA
- Jian Sun, Rensselaer Polytechnic Institute, USA
- Jian Guo (Joe) Zhu, The University of Sydney, Australia
- Jose Rodriguez, Universidad San Sebastian, Spain
- Ayman El-Refaie, Marquette University, USA
- Pat Wheeler, University of Nottingham, UK
- Faz Rahman, University of New South Wales, Australia
- Vladimir Terzija, Newcastle University, UK
- Liangzhong Yao, Wuhan University, China
- Fushuan Wen, Zhejiang University, China
- Qinghua Wu, South China University of Technology, China
- Ming Cheng, Southeast University, China
- Jinjun Liu, Xi'an Jiaotong University, China
- Zhigang Liu, Southwest Jiaotong University, China
- Zheng Xu, Zhejiang University, China
- Chi K. Michael Tse, City University of Hong Kong, China
- Ronghai Qu, Huazhong University of Science and Technology, China
- Bo Zhang, South China University of Technology, China
- Wei Xu, Institute of Electrical Engineering, Chinese Academy of Sciences, China
- Don Tan, IEEE Transportation Electrification Council
- Li Qi, Xi'an Jiaotong University, China
- Jizhong Zhu, South China University of Technology, China

Publication Chair

- Mengqi Zhou, IEEE Beijing Section, China

Technical Program Committee

- Pinjia Zhang, Tsinghua University, China
- Xiaofeng Ding, Beihang University, China
- Gang Lv, Beihang University, China
- Laili Wang, Xi'an Jiaotong University, China
- Liansong Xiong, Xi'an Jiaotong University, China
- Shaofeng Jia, Xi'an Jiaotong University, China
- Sidun Fang, Chongqing University, China
- Jianyu Pan, Chongqing University, China
- Xuwei Xiang, Chongqing University, China
- Wei Lai, Chongqing University, China
- Lei Chang, Chongqing University, China
- Jian Hao, Chongqing University, China
- Zhengyong Huang, Chongqing University, China
- Shangjian Dai, Southeast University, China
- Sheng Huang, Hunan University, China
- Xuan Wu, Hunan University, China
- Wei Chen, Tiangong University, China
- Feng Zhou, Central South University, China
- Hao Chen, China University of Mining and Technology, China
- Zhen Xin, Hebei University of Technology, China
- Feng Niu, Hebei University of Technology, China
- Jianfei Chen, Wuhan University, China
- Jing Ou, Harbin Institute of Technology, China
- Youtong Fang, Zhejiang University, China
- Shoudao Huang, Hunan University, China
- Wenxiang Zhao, Nanjing Institute of Technology, China
- Wensheng Song, Southwest Jiaotong University, China
- Xiaohua Bao, Hefei University of Technology, China
- Yongchang Zhang, North China Electric Power University, China
- Lingzhi Yi, Xiangtan University, China
- Yunyue Ye, Zhejiang University, China
- Hongbo Qin, Shanghai Energy Efficiency Center, China
- Weinong Fu, SIAT of Chinese Academy of Sciences, China
- Xiaojie Wu, China University of Mining and Technology, China
- Lei Chen, Wuhan University, China
- Shunle Tan, Xi'an Micromotor Research Institute, China
- Xu Liu, Hebei University of Technology, China
- Chaohui Zhao, Shanghai Dianji University, China
- Liyi Li, Harbin Institute of Technology, China
- Xi Zhang, Shanghai Jiao Tong University, China
- Xiuhua Wang, Shandong University, China
- Yanling Lyu, Harbin University of Science and Technology, China
- Xuemei Zheng, Harbin Institute of Technology, China
- Jing Ma, North China Electric Power University, China
- Lei Wang, Harbin University of Science and Technology, China
- Yigang He, Wuhan University, China
- Qunqing Wang, Anhui University, China
- Yongdong Li, Tsinghua University, China
- Xu Cai, Shanghai Jiao Tong University, China
- Jiwen Zhao, Hefei University of Technology, China
- Aiyuan Wang, Shanghai Dianji University, China
- Jian Luo, Shanghai University, China
- Zheng Li, Hebei University of Science and Technology, China
- Mengqi Zou, Shanghai Electrical Apparatus Research Institute, China
- Weihua Chen, Shanghai Electrical Apparatus Research Institute, China
- Yutian Sun, Harbin Institute of Large Electric Machinery, China
- Qiming Cheng, Shanghai University of Electric Power, China
- Hongfa Zhou, Shanghai Electrical Apparatus Research Institute, China
- Lawu Zhou, Changsha University of Science and Technology, China
- Shuying Yang, Hefei University of Technology, China
- Shuangxia Niu, The Hong Kong Polytechnic University, China
- Anwen Shen, Huazhong University of Science and Technology, China
- Xiaoyuan Wang, Tianjin University, China
- Gang Lu, Northwestern Polytechnical University, China
- Haisen Zhao, North China Electric Power University, China
- Zhuoran Zhang, Nanjing University of Aeronautics and Astronautics, China
- Jianhui Wang, Shanghai Electrical Apparatus Research Institute, China
- Xuxing Zhang, China Electric Institute, China
- Weiwei Jin, Shanghai Electrical Apparatus Research Institute, China

Sponsors



Organizer



Co-Sponsored by



Supported by



中国-意大利先进制造“一带一路”联合实验室
CHINA-ITALY JOINT LABORATORY ON ADVANCED MANUFACTURING



Supporting Media

