



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 IEEECSC 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.

Sponsored by Chongqing University, Tsinghua University, Shanghai Jiao Tong University, and IEEE, IEEE IEEECSC 2025 is organized by the Shanghai Electrical Apparatus Research Institute. The conference serves as a premier platform for researchers from academia and industry worldwide to share advancements in electrical and electronic engineering. Featuring keynote speeches, oral presentations, and various academic activities, IEEECSC 2025 aims to foster discussions and innovations that contribute to more efficient electrical systems. The conference covers a broad range of topics, including emerging developments in electrical engineering, power and energy systems, control technologies, and related fields.

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  
Special Session 03: Reliability and Optimization Technique of Power Electronic Devices  
Special Session 04: AI-empowered New-type Power Systems  
Special Session 05: Low-carbon Operation and Planning Technologies of Integrated Energy Systems  
Special Session 06: Advanced Control Techniques for High-quality Servo Motor Systems  
Special Session 07: Advanced Insulation Materials and Their Performance Analysis Technologies

### PAPER SUBMISSION

The accepted papers after registration and presentation will be included into IEEE IEEECSC 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.

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### IMPORTANT DATES

- Submission Deadline:** Apr. 01, 2025 (Final Call)
- Notification of Acceptance Deadline:** Apr. 15, 2025
- Final Paper Submission Deadline:** Apr. 30, 2025
- Conference Dates:** May 23-25, 2025

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