



EI²

THE 7TH IEEE CONFERENCE ON ENERGY INTERNET AND ENERGY SYSTEM INTEGRATION

Dec. 15 - 18, 2023 | Hangzhou, China

ABOUT THE CONFERENCE

The 7th IEEE Conference on Energy Internet and Energy System Integration (EI² 2023) focuses on many innovative technologies and practical applications regarding "Energy Internet" and "Energy System Integration" (EI² in abbreviation). EI² couples multiple energy systems, e.g. electricity, gas, heating, cooling and transportation, with energy storage and ICT technologies, including cloud computation, big data analytics, internet of things (IoT), mobile internet, artificial intelligence (AI) and 5G communication applications, to promote the interconnection, openness, sharing and coordination of various energy resources and shape a green, low-carbon, efficient, low-cost and environment-friendly energy ecosystem.



The 7th EI² conference will be held in Hangzhou, China from Dec. 15 to 18, 2023. This conference is co-sponsored by IEEE Power & Energy Society, Zhejiang University (China), Tsinghua University-Dept. of Electrical Engineering, Chinese Society for Electrical Engineering (CSEE), Hainan Institute of Zhejiang University, Taiyuan University of Technology, Tsinghua University-Energy Internet Research Institute, and Tsinghua University Shenzhen International Graduate School.

The conference will set various awards, such as the Best Paper Award and the Energy Internet Best Practice Award. The conference papers will be published by the IEEEExplore website and indexed by EI, and high-quality papers will be recommended to **Energy Conversion and Economics**, **Energy Internet**, **Journal of Modern Power Systems and Clean Energy (MPCE)**, **CSEE Journal of Power and Energy Systems (CSEE JPES)**, **Applied Energy**, and others.

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SUBMISSION GUIDELINE

Prospective authors are invited to electronically submit full papers strictly formatted according to IEEE Template in pdf format via:

<https://easychair.org/conferences/?conf=ei22023>

All regular papers must adhere to the 6-page limit.

Accepted and presented papers will be submitted for inclusion in the IEEE Xplore online digital library and EI compendex.

IMPORTANT DATES

Full Paper Submission Deadline Oct. 31th, 2023

Notification of Acceptance Nov. 20th, 2023

Early Registration Closes Nov. 25th, 2023

Conference Date Dec. 15th-18th, 2023

CALL FOR PAPERS

TOPICS ASSOCIATED WITH EI²

- Planning, Operation and Control of Energy Internets
- Grid Planning, Operation and Management
- Active Distribution Networks and DC Distribution Networks
- Integrated Energy System
- HVDC transmission
- FACTS
- Renewable Generation and Distributed Energy Resources
- Computational Intelligence, big data, ICT and Blockchain Applications in Smart Grids
- Emerging Technologies and End-user Systems
- Microgrids, Standalone Power Systems and Virtual Power Plants
- Grid Resiliency, Security, Reliability, Stability and Protection
- Policy, Electricity Market, Innovative Business Mechanism, Policy/Regulatory Aspects
- Energy Forecasting, Peer-to-peer Energy Trading and Transactive Energy Management
- Smart Homes, Buildings and Cities and Cyber Security
- Smart Condition Monitoring and Fault Diagnosis Techniques
- IoT Enabled Energy Systems
- High Voltage Technology
- Key Equipment in Energy Internet
- Demonstration of Energy Internet

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