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**2024 IEEE PES 16th Asia-Pacific Power
and Energy Engineering Conference**

**25–27 October 2024
Nanjing, China**

Organizer : Hohai University

Co-organizer: IEEE PES Nanjing Chapter

State Grid Jiangsu Electrical Power Co., LTD

2024 IEEE PES 16th Asia-Pacific Power and Energy Engineering Conference will be held on 25–27 October 2024 in Nanjing, China, organized by Hohai University and co-sponsored State Grid Jiangsu Electrical Power Co., LTD and IEEE PES Nanjing Chapter. The conference aims to create a knowledge-sharing platform for researchers and industry professionals to present and discuss contemporary and emerging technologies. The conference will be conducted on-site with face-to-face (F2F) oral and poster presentations.

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 **Submission date:** April 10, 2024

Deadline: August 31, 2024

Topics:

- ✓ Planning, Operation, Control and Modelling of Power and Energy Systems
- ✓ System Security, Reliability, and Quality of Power and Energy
- ✓ Active Distribution Networks and DC Distribution Networks
- ✓ Renewable Generation, Distributed Energy Resources and Multi-energy Systems
- ✓ 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, Communities and Cities
- ✓ Demand Response and Demand Side Management
- ✓ Electric Vehicle Prospects and Network Interaction
- ✓ Artificial Intelligence, Big Data, Machine Learning and Blockchain
- ✓ Applications in Power and Energy Systems
- ✓ IoT, ICT, CPS and Cyber Security for Power and Energy Systems
- ✓ Smart Condition Monitoring and Fault Diagnosis Techniques
- ✓ Blue and Green Hydrogen, Hydrogen Fuel Cells and Hydrogen Applications
- ✓ Energy Storage Technologies and Applications
- ✓ Electromagnetic Compatibility
- ✓ High Voltage Technology, HVDC Transmission and FACTS
- ✓ Non-destructive Insulation Test Techniques
- ✓ Electrical Machines and Motor Drives
- ✓ Power System Protection and Monitoring
- ✓ Power and Energy Engineering Education
- ✓ Key Equipment and Demonstration of Future Energy Systems
- ✓ Power Electronics Transformation Technology
- ✓ Power Electronic Devices and Transmission Control

