

Ph.D. Dissertation Challenge CALL FOR PARTICIPATION

2026 IEEE IAS Industrial and
Commercial Power System Asia

The IEEE IAS I&CPS Asia Organizing Committee is pleased to announce the **Ph.D. Dissertation Challenge in I&CPS** and cordially invites Ph.D. students and recent graduates to participate and receive corresponding recognition and honors. The competition aims to provide an international platform for Ph.D. researchers in related fields to present their research projects. This award not only recognizes high-quality research, but also serves as a unified platform to promote technological innovation and facilitate the exchange of ideas between academia and industry. The submitted work should demonstrate contributions to economic, societal, environmental, or technological advancements in the field of industrial and commercial power systems. An outstanding evaluation panel, composed of experts from both academia and industry, has been assembled by the Organizing Committee to review submissions and select finalists and award recipients. **All finalists selected for the final round will receive certificates in recognition of their achievements and contributions.**

Suggested Scopes

Power Systems

- Power System Planning
- Power System Operation
- Power System Control
- Power System Protection

Energy Systems

- Multi-energy System
- Energy Efficiency
- Low-carbon Energy System
- Distributed Energy Resources

Smart Grid

- Microgrid
- Resilient Distribution Network
- Low-carbon Power System
- Novel Information Technologies for Smart Grid
- Load Management in the Novel Power System
- In-depth Application of Measurement and Metering Data in the Novel Power System
- Drones and Robots Applicable to Smart Grids

Renewable Energy Integration

- Renewable Energy Development and Integration
- Evaluation of Renewable Energy
- High Penetration of Renewable Energy
- Integrated Wind, Solar, Storage and Charging Energy Transportation

Energy Storage Technologies

- Energy Storage Planning and Operation
- Real-time Monitoring of Energy Storage
- Security Assessment of Energy Storage

Electric Vehicles Applications

- Enhancing Modern Power Systems Using Integrated Electric Vehicles
- Modeling and Control Electric Vehicles in Power and Energy Systems
- Electric Vehicle Infrastructure in Power and Energy Systems
- Industrial and Commercial Electric Vehicles Application
- Optimization of Electric vehicle Charging Resource Layout and Orderly Charging

Carbon Neutrality in Power and Energy Systems

- Modernization of Electrical Power and Energy components
- Lifecycle Assessments and Sustainable Practices
- Efforts Aimed at Achieving Net Zero Carbon Emissions in Electrical Power And Energy Engineering
- Construction of Near-Zero Carbon Industrial Parks

AI in Power and Energy Systems

- AI-Driven Generation Optimization
- AI-Augmented Smart Grid Dispatch
- AI-Enabled Predictive Maintenance for Energy Assets
- AI-Based Energy Measurement & Metering Agents
- AI-Powered Microgrid Energy Management
- AI-Empowered Low-Carbon Power System Planning
- AI-Enhanced Energy Demand-Side Response

Other Relevant Topics

- Industrial and Commercial in Electrical Systems
- Power, Energy, and Electrical Devices and Components
- Supply Chain in Electrical Systems
- Other Relevant Topics in Power, Energy, and Electrical Engineering

Important Dates

Application Deadline	May 20, 2026
Finalist Announcement	June 01, 2026
Onsite Presentation	July 11-14, 2026

Challenge Overview

The Ph.D. Dissertation challenge is open to those who meet either of the following criteria:

- Current Ph.D. students who have passed their qualification exams but have not defended their Ph.D. dissertation.
- Recent Ph.D. graduates who will defend their dissertation after July 1, 2026 (proof would be required).

Application Procedure

First Round

Submit the following materials for evaluation, the selected finalists in each category will be informed by **June 01, 2026**, and invited to participate in the on-site 5-Min Challenge.

- English Draft of the thesis, dissertation or report (within 2 pages);
- PPT slides (within 10 pages);
- CV and the Student ID card;

Second Round

The on-site 5-Min Challenge will take place in a special section of the I&CPS Asia conference. Each candidate will have 5 min to present his work, which is evaluated by the invited reputed experts in Electrical Engineering. One winner will be awarded.

Submission

Submit your application through the following website <https://iconf.young.ac.cn/fMuNZ> or scan the QR code on the right



Conference Committee

Conference Chairs

Mingwei He, Kunming University of Science and Technology, China
Jinyun Yu, CSG EHV Power Transmission Company, China

Program Chairs

Sidun Fang, Chongqing University, China
Nan Pan, Kunming University of Science and Technology, China
Bo Jie, The University of Tokyo, Japan

Program Co-Chairs

Zhenyuan Zhang, University of Electronic Science and Technology of China, China
Zhaohao Ding, North China Electric Power University, China
Ming Yang, Shandong University, China
Yuankang Wu, National Chung Cheng University, Taiwan, China
Péter Tamás Szemes, University of Debrecen, Hungary
Macros Rider, University of Campinas (UNICAMP), Brazil

*More details can be found at: <https://iee-icps.com/committee.html>

Sponsored by



Organized by



Co-organized by

