

2nd International Conference on Advanced  
Electrical Equipment and Reliable Operation  
Beijing, China | Oct. 17-19, 2025

The 2nd International Conference on Advanced Electrical Equipment and Reliable Operation (IAEERO 2025) will be held at the Wyndham Beijing North Hotel from Oct. 17th-19th, 2025. On behalf of the Organizing Committee, we are honored to welcome you to attend IAEERO 2025. This conference is sponsored by IEEE Industry Applications Society (IAS). This session will be organized by North China Electric Power University (NCEPU). It will also be co-organized by Shandong University, State Key Laboratory of Advanced Power Transmission Technology, University Alliance of Global Energy Interconnection (UAGEI), State Grid Pinggao Group Co., LTD. and Taikai Group Co., LTD.

**All the accepted papers presented in the conference will be submitted for inclusion to the IEEEExplore Digital Library.**

**Authors are invited to submit a maximum of 6 pages full paper (but not limited to) the following areas:**

**1) Components, Circuits, Devices & Systems**

Development, design, manufacture of power equipment  
Power grid environmental protection technology  
Electrical equipment protection technology  
Smart sensors and sensing technology  
Emerging key technology

**2) Engineered Materials, Dielectrics & Discharge Phenomenon**

Dielectric phenomenon  
Performance, composition and structure of insulating materials  
Electrical insulation techniques under extreme conditions

**3) Power, Energy & Industry Applications**

Intelligent dispatch of power system  
AC/DC system for clean energy and energy storage  
Energy management

**4) Signal Processing & Analysis**

Enabling techniques on information, computation and communication  
Image processing

**So come and join IAEERO 2025 in Beijing!** We will offer a rich scientific program of highest quality with invited speakers from all over the world and provide a broad forum of exchange for both academia and industry alike.

The symposium will cover the entire scope of electrical equipment and reliable operation. Prospective authors are invited to submit original papers on their latest research results.

Conference website: <http://www.aeero.cn/>

**Important Dates:**

**Full Paper Submission Deadline:**

**April 30, 2025**

**Notification of Acceptance:**

**May 31, 2025**

**Final Manuscript Submission  
and Registration:**

**June 30, 2025**

**Conference Chair**

Qingmin Li, North China Electric Power University

**Conference Co-Chairs**

Zhongdong Wang, University of Exeter  
Manu Haddad, Cardiff University

**International Scientific Steering  
Committee Chair**

Chengrong Li, North China Electric Power University

**Organizing Committee Chairs**

Haoxi Cong, North China Electric Power University  
Liang Zou, Shandong University

**Financial Committee Chair**

Hanwen Ren, North China Electric Power University

**Publication Committee Chair**

Jian Wang, North China Electric Power University

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