CAEPS 2027



Wuhan, China

May 21–23, 2027

2027 International Conference on Advanced Electrical and Power Systems

2027 International Conference on Advanced Electrical and Power Systems (CAEPS 2027) will be held in **Wuhan, China**, on **May 21–23, 2027**. CAEPS 2027 is organized by **Wuhan University** and hosted by the **School of Electrical Engineering and Automation of Wuhan University**.

CAEPS 2027 will provide an open forum for sharing and spreading the newest thoughts and research findings developed in key areas such as advanced electrical engineering, power systems, power electronics and electrical motor drives, renewable energy and smart grids, distributed generation and energy storage, multi-energy systems and energy internet of things, data analytics and artificial intelligence.

PAPER PUBLICATION

Registered and presented full papers will be included in the CAEPS 2027 digital conference proceedings and submitted to major citation databases (including, but not limited to Ei Compendex and Scopus) for review and indexing.

Compendex on Engineering Village Scopus

IMPORTANT DATES

- Abstract Submission Due: Dec. 1, 2026
- Full Paper Submission Due: Dec. 15, 2026
- Author Notification Due: Jan. 26, 2027
- Registration Due: Feb. 26, 2027
- Camera-ready Submission Due: Apr. 9, 2027

CALL FOR PAPERS

Topics of Interest include but are not limited to:

Intelligent Power Equipment & Breaking Technologies

- Plasma Diagnostic Techniques
- High Voltage Engineering and Insulation Technology

New Power Systems & Energy Storage Technologies

- Power Storage and Energy Management Systems
- New Energy Generation Modeling and Grid Integration

Low-Carbon Development & Circular Ecology for Power Equipment

- Low-Carbon Manufacturing of Power Equipment
- Green, Digital, and Intelligent Supply Chain Management

Other Advanced Electrical & Power System Technologies

- Power Electronics and Converter Technologies
- Electrical Theory and Emerging Technologies

SUBMISSION

Online Submission System

1. Manuscripts submitted to the conference should be written in English only.
2. Manuscripts submitted to the conference should follow the template provided: Full Paper Template, Abstract Template
3. Manuscripts can be submitted in Doc, Docx and PDF format.
4. Oral or Poster presentations should be nominated while submitting an abstract.
5. The ordinary length is suggested no less than 5 pages, including all figures, tables, references, and appendices. If the paper exceeds 5 pages, the additional pages will be charged at the time of registration.

ORGANIZED BY:

WUHAN UNIVERSITY

HOSTED BY:

Committee

General Chairs

Yigang He——Wuhan University, China
Tao Lin——Wuhan University, China

Organizing Committee Chair

Ghamgeen Izat Rashed——Wuhan University, China

Program Chair

Lei Chen——Wuhan University, China

Publication Chair

Chengxi Liu——Wuhan University, China

Award Chair

Jun Zhang——Wuhan University, China

Keynote Speech Chair

Chengxi Liu——Wuhan University, China

Session Chairs

Qingqing He——Wuhan University of Technology, China
Bing Sun——Tianjin University, China
Boyu Qin——Xi'an Jiaotong University, China
Yunhui Huang——Wuhan University of Technology, China
Yuan Cheng——Hefei University of Technology, China

Finance Chair

Hualiang Fang—Wuhan University, China

Local Chair

Jie Zhang—Wuhan Donghu University, China

Program Committee

Siyuan Chen—Wuhan University, China
Tao Mao—Wuhan Donghu University, China

Special Sessions

Please visit: https://www.caeps.org.cn/sessions

Session I : Advanced Electrical Energy Conversion and Electrical Systems: Optimization, Control, and Reliability

Session II : Stability, Resilience and Intelligent Control of Power Systems under High Renewable Penetration and Extreme Risks

Session III: AI-Empowered Power Systems

Session IV : Advanced Design and Control of High-Performance Electric Machines for Emerging Electrified Transportation

Website: www.caeps.org.cn

Email: email@caeps.org.cn (for registration or submission)