

# 7<sup>th</sup> ICPEA 2024

## 2024 The 7th International Conference on Power and Energy Applications

[www.icpea.org](http://www.icpea.org)

2024 The 7th International Conference on Power and Energy Applications (ICPEA 2024) will be held on October 18-20, 2024 in Taiyuan, China, and sponsored by Taiyuan University of Technology, Taiyuan, Shanxi, China. Based on the successful experience to host The 5th IEEE EI<sup>2</sup> in 2021 in Taiyuan with around 1000 participants, Taiyuan University of Technology will believe that ICPEA will gain another success. Now the conference is open for submission. All the scholars and experts is sincerely welcome to submit your abstract or papers or register as listener to attend. See you in Taiyuan!

### Award

- Best Young Scientist Award
- Best Paper Award
- Best Student Paper Award
- Outstanding Contribution to the Conference
- Outstanding Reviewer
- Best Organization Award
- Best Oral Presentation
- Best Poster Presentation

### Submission

Submission Deadline: **September 15, 2024**  
1. Full paper (publication and presentation) with at least 4-5 pages  
2. Abstract (presentation only) with around 200-500 words  
Submit paper via online system:

<https://easychair.org/conferences/?conf=icpea2024>

### Publication & Indexing

Accepted papers after double-blind-peer review with proper registration and presentation, will be collected in the IEEE conference proceedings submitted and reviewed by IEEE Xplore, EI Compendex and Scopus.

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### Contact

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Taiyuan, China  
October 18-20, 2024

### History

ICPEA 2018 (April 7-9, 2018 | Hong Kong) | Indexed by EI Compendex and Scopus  
ICPEA 2019 (April 27-30, 2019 | Singapore) | IEEE Xplore | Indexed by EI Compendex and Scopus  
ICPEA 2020 (October 9-11, 2020 | Busan-Virtual) | IEEE Xplore | Indexed by EI Compendex and Scopus  
ICPEA 2021 (October 9-11, 2021 | Busan-Virtual) | IEEE Xplore | Indexed by EI Compendex and Scopus  
ICPEA 2022 (November 18-20, 2022 | Guangzhou-Virtual) | IEEE Xplore | Indexed by EI Compendex and Scopus  
ICPEA 2023 (November 24-26, 2023 | Weihai-Virtual) | IEEE Xplore | Indexed by EI Compendex and Scopus

### Topics (include but not limit)

#### 1 Power electronics and converters

Power Converters Topologies and Design  
Advanced power converter topologies  
Devices, Packaging and System Integration  
Passive components  
Active components  
Power Electronics Devices and Converters  
High voltage DC power supplies  
Low voltage DC power supplies  
Power converters for electric vehicles  
Contactless power supply

#### 2 Renewable energy systems

Wind energy systems  
Solar energy systems  
Advanced renewable energy systems  
Renewable Energy Power Systems

#### 3 Electrical machines and drives

Electrical Machines and Drive Systems  
Motion control, robotics, special drives  
Electric propulsion systems for electric vehicles  
Electrical Machines

#### 4 Power electronics applications

Power electronics in automotive applications  
Power electronics in aircraft and spacecraft applications  
Power electronics in railway applications  
Power electronics in renewable energy systems  
Power electronics in grid-connected systems  
Power electronics in off-grid and standalone systems  
Power electronics in energy storage systems  
Power electronics in smart homes and buildings  
Power electronics in industrial applications  
Electronic ballasts and solid-state lighting  
HVDC & FACT  
e-Mobility  
Marine applications (Offshore and ships)  
Rail vehicles

#### 5 Control and management

Application of control methods to electrical systems  
Renewable Energy Grid Integration  
Smart Grid Security Analysis and Control  
ICT Technologies for Energy Internet Applications  
Estimation and identification methods  
Measurements techniques  
Measurement and Control  
Fault coordination and protection of DC grids  
Power factor correction techniques  
Power quality issues  
Grids and Smart Grids  
Micro-grids  
Energy storage systems  
Sensors  
Reliability  
Standards and regulations  
Smart grids  
Standalone power supplies  
Uninterruptible power supplies (UPS)  
Batteries and Management Systems (BMS)

For more members, please visit: <http://www.icpea.org/cfp.html>

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