

Fuzhou, China  
November 15-17, 2024

## The 3rd Asia Power and Electrical Technology Conference

**APET**  
**2024**  
www.apet.net

The 3rd Asia Power and Electrical Technology Conference (APET 2024) will be held in Fuzhou, China from November 15-17, 2024. Co-sponsored by Fuzhou University and IEEE Power & Energy Society, hosted by Fuzhou University, co-hosted by Xiamen University, patroned by Fujian University of Technology, China, Donghua University, Tianjin University, China, Hebei University of Technology, China, the APET conference provides a valuable platform for knowledge sharing, collaboration, and networking.



Prof. Kashem Muttaqi  
University of Wollongong, Australia  
Fellow of IEEE, IET, FIEAust, FAAIA



Prof. Concettina Buccella  
University of L' Aquila, Italy  
Fellow of IEEE



Prof. Wei Xu  
Institute of Electrical Engineering,  
Chinese Academy of Sciences, China  
Fellow of IEEE

**Keynote  
Speakers**

### Organizing Committee

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Dean Sharafi, Australian Energy Market Operator (AEMO), Australia

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#### Local Organizing Chair

Yi Zhang, Fuzhou University, China

#### Local Organizing Committee

Yuzheng Xu, Fuzhou University, China  
Xuehan Zhang, Fuzhou University, China  
Jian Song, Fuzhou University, China

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Xinwei Shen, Tsinghua University, China

#### Publicity Chairs

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Mingfa Yang, Fuzhou University, China  
Huaiyuan Wang, Fuzhou University, China

### Call for Papers

#### Power System and Smart Grid

- ▶ Power Electronics and Key Technologies
- ▶ Advanced Power Semiconductors
- ▶ Semiconductor Technology
- ▶ Diagnosis and Sensing Systems
- ▶ MEMS-Micro Sensors and Structures
- ▶ Power Distribution
- ▶ Power System Design
- ▶ Electromagnetic And Applied Superconductivity
- ▶ Electromagnetic Compatibility
- ▶ Electromagnetic Transients Programs

#### Electrical Engineering and Automation

- ▶ Converters and Inverters
- ▶ Electric Drivers and Application
- ▶ Electric Vehicle Technologies
- ▶ Electrical Machinery and Electrical Apparatus
- ▶ Electrical Machines, Power Electronics and Industry Applications
- ▶ Electrical Materials and Process
- ▶ Electrical Traction Systems and Control
- ▶ Inverter and Converter Technology

More topics please check: [www.apet.net/calls.html](http://www.apet.net/calls.html)

### Important Dates

Submission Deadline	July 10th, 2024
Notification Date	August 10th, 2024
Registration Deadline	August 30th, 2024



### Publication

#### ▶ Conference Proceedings

Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements, and submit for Ei Compendex & Scopus index.

#### ▶ SCI Journals

Excellent papers after extension will be recommended to special issues:

- |   |  |
|---|--|
|  | 1. Protection and Control of Modern Power Systems (ISSN: 2367-2617).<br>Journal Rank: Q1; Impact Factor: 11; indexing: SCI, Ei, Scopus, etc.                                 |
|  | 2. Special Issue "Selected Papers from APET 2024 - Sustainable Electrical Energy Technologies II"<br>Journal Rank: Q1; Impact Factor: 3.252; Indexing: SCI, Ei, Scopus, etc. |

### APET Awards

- |                                  |                                  |
|----------------------------------|----------------------------------|
| ▶ Young Scientist Award          | ▶ Best Industrial Paper Award    |
| ▶ Outstanding Organization Award | ▶ Best Oral Presentation Award   |
| ▶ Outstanding Reviewer Award     | ▶ Best Poster Presentation Award |
| ▶ Best Student Paper Award       |                                  |

### Special Session

#### Session 1

#### Advanced Control and Optimal Management of Cyber-Physical Smart Grids

##### Organizers:

Huashan Liu, Donghua University  
Yinghao Shan, Donghua University  
Jie Xing, Donghua University

#### Session 2

#### Control and Protection of Hybrid AC/DC Transmission Systems

##### Organizers:

Sohrab Mirsaedi, School of Electrical Engineering, Beijing Jiaotong University  
Meng Li, School of Electrical Engineering, Beijing Jiaotong University  
Jinghan He, School of Electrical Engineering, Beijing Jiaotong University

#### Session 3

#### Numerical Simulation of Partial Discharge, Online Insulation Monitoring and Fault Diagnosis for Electrical Equipment

##### Organizers:

Feng Bin, Changsha University of Science & Technology  
Fangwei Liang, Tsinghua University  
Zhi Zheng, Hunan University  
Xiao Zhong, Hunan University

#### Session 4

#### Advances in Eco-Friendly Electrical Materials And Its Application in High Voltage Power Equipment

##### Organizers:

Xiaolong Li, Shenyang University of Technology, China  
Zhonglei Li, Tianjin University, China  
Jian Hao, Chongqing University, China

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Protection and Control of  
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