

# IEEE PES Australasian Universities Power Engineering Conference (AUPEC)



**20 – 22 November 2024**  
**Sydney, Australia** *Mercure Hotel Sydney*

## DRIVING TOWARDS A SUSTAINABLE ENERGY TRANSITION

After 34 events the **Australasian Universities Power Engineering Conference (AUPEC)** has become the IEEE PES Australasian Universities Power Engineering Conference.

AUPEC continues its traditions to bring together academics, students, researchers, and practicing engineers, primarily from Australasia but also from other parts of the world, to present emerging topics in power and energy.

In 2024, AUPEC will be held from 20<sup>th</sup> to 22<sup>nd</sup> November 2024 in Sydney, Australia with an exciting technical and social program and specialist exhibition. The conference invites researchers and industry professionals to submit new and original ideas on different aspects of power and energy engineering including, but is not limited to, the following topics:

- Power system stability, operation and control
- Power system Planning and operation
- Resiliency of power grids
- Power system protection
- Power system communications
- Power electronics converters
- Power quality and harmonics
- Electrical machines and drives
- Power engineering education
- Electricity market and economics
- Renewable energy resources
- Energy storage systems and technologies
- Distributed and consumer energy resources
- Demand side management
- Virtual power plants
- Microgrids (DC, AC and hybrid)
- Multi-carrier energy systems, including hydrogen
- Asset management
- Cyber security of power systems
- Electrification of transportation
- Data analytics in power systems
- FACTS and HVDC
- Impacts of climate changes on the energy sector
- Energy transition

Authors are invited to submit papers of no more than 6 pages in length in double-column format using the standard IEEE PES Conference template at <https://www.ieee.org/conferences/publishing/templates.html>. The papers must clearly state the objectives of the work, its significance in advancing the state of the art, and the methods and specific results in sufficient detail. The submission should include appropriate key equations, figures, tables, and references. Papers not conforming to these requirements will be rejected without review.

- All submissions will go through a single-blind peer review process to ensure confidentiality and fair review.
- **Submissions should be made via EDAS at <https://edas.info/N32295>**
- Presented papers will be submitted to IEEE Xplore for publication after the conference.
- Further details are available at <https://aupec2024.org>

# Important Dates

---

Submission site opens: **1 April 2024**

Full paper submission: **31 July 2024**

Author notification: **31 August 2024**

Final manuscript submission (camera ready copy): **15 September 2024**

Conference: **20-22 November 2024**

# Conference Committee

---

## General Chair:

- Gregor Verbic, The University of Sydney

## Advisory Chair:

- Syed Islam, Federation University

## Technical Program Chair:

- Georgios Konstantinou, The University of New South Wales

## Industry Liaisons:

- Terry Lampard, The Electric Energy Society of Australia
- David Pointing, The Australian Power Institute

## Professional Conference Organiser:

- Peter Beadle, Academic Event Services

## Organising Committee:

- Dylan Lu, University of Technology Sydney
- John Fletcher, The University of New South Wales
- Jahangir Hossain, University of Technology Sydney
- Sara Deilami, Macquarie University
- Galina Mirzaeva, University of Newcastle
- Md Rabiul Islam, University of Wollongong
- Mahmood Nagrial, Western Sydney University



THE UNIVERSITY OF  
SYDNEY



UNSW  
SYDNEY



THE UNIVERSITY OF  
NEWCASTLE  
AUSTRALIA



UNIVERSITY  
OF WOLLONGONG  
AUSTRALIA



MACQUARIE  
University  
SYDNEY · AUSTRALIA



Federation  
University



WESTERN SYDNEY  
UNIVERSITY

