



Dear Colleagues,

The 2025 IEEE International conference on Energy Technologies for Future Grids (IEEE ETFG 2025) (<https://attend.ieee.org/etfg-2025/>) will be held in Wollongong, Australia on 7-11 December 2025. The conference aims to provide a forum for researchers, policymakers, and industry professionals to share their knowledge and experience in the latest technologies available in modernizing grid infrastructures. This will be a major event of the ARC Training Centre in Energy Technologies for Future Grids - University of Wollongong - UOW (ARC Future Grids Training Centre) <https://www.futuregrids.org/> where many national and international experts will attend and share their ideas.

The theme of the conference is "Challenges, Solutions, and Opportunities for Industrial Transformation".

This conference is fully financially sponsored by the IAS and all presented papers will be eligible for the review and possible publication in IEEE Transactions in Industry Applications and Industry Applications Magazine. The Conference is also technically Co-sponsored by IEEE PES, IES and PELS. The 5-day conference programme will offer tutorials/short courses, plenary talks and keynotes from industries and world leaders, special sessions, panel discussions, technical paper presentations, exhibitions and showcases. Papers presented in conference will be submitted to the IEEE *Xplore* Digital Library and also will be eligible for review and publication in IEEE Transactions on Industry Applications or IEEE Industry Applications Magazine

Technical papers are solicited on subjects pertaining to the scope of the conference that includes, but is not limited to the topics:

Renewable Energy Resources, Distributed Generation & their Grid Integration
Power Grid Operation, Power System Control & Power system Protection
Power Electronic Emerging Technologies, Solid-state Switch, Solid-state Transformer
Power Electronic Converters & Control Systems
Electric Motors & Drives, Electric Vehicles and Charging Stations
Smart Grid, Micro Grid & Mini Grid
Energy Storage Technologies, Hydrogen Energy Storage & Battery Systems
Power Semiconductors, Power Integrated Circuits, and Packaging Technologies
FACTS, Custom Power & Power Quality
Wide Band Gap Devices for Power Grids
Power and Energy Engineering Education
Modern Power Systems, Energy Policies & Standards
Customer Energy & Energy Market
Rural Electrification & Remote Power Supply
Electrolyzers, Fuel Cells, Green Hydrogen Production and Utilization
IoT, Sensors and Communications for Power Grids
Hard-switching & soft-switching, Static Power Converters & UPS
Electrical Machines, Actuators, Traction & Automotive Systems
Robotics Systems & their Applications to Power Grids
Applications of Smart Devices and Sensors in Home Appliances, Industry & Aerospace
Power and Energy Education & Professional Development

Prospective authors are invited to submit a full paper up to 6 pages in IEEE standard two column conference format by 1 March 2025. Papers from industries and academia are welcome. The paper must clearly indicate: the purpose of the work; the manner and degree to which it advances the research; and specific new research findings and results and their significance.

Wollongong is a coastal city in Australia, south of Sydney along the Grand Pacific Drive with rich history and beautiful natural attractions. It is only 80 km away from Sydney Airport. It has beautiful beaches and a dramatic backdrop of green and sandstone of the Illawarra Escarpment. Please see photos and videos about the place on the Conference website: <https://attend.ieee.org/etfg-2025/>. The conference will be held in the Summer time in Australia.

For more information about the conference, please check the conference website: <https://attend.ieee.org/etfg-2025/>

For any general query, please contact the Conference Organizer through etfg-conf@uow.edu.au

For any specific query, please contact the General Chair through kashem@uow.edu.au

Best Regards,
IEEE ETFG 2025 Organizing Committee

PARTNERS



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