ICSCGE 2026

The 6th International Conference on Smart City and Green Energy

Brisbane, Australia | August 6-9, 2026

Sponsored by Queensland University of Technology and co-sponsored by Hainan Institute of Zhejiang University, the 6th International Conference on Smart City and Green Energy (ICSCGE 2026), will be held in Brisbane, Australia from August 6 to 9, 2026, which is to bring together experts and scholars from around the world to discuss the latest advancements and innovative achievements in the field of smart city frameworks and their role in sustainable development and green energy. ICSCGE is a premier conference dedicated to exploring innovative technologies and sustainable solutions for smart cities and green energy. This conference serves as a platform for researchers, academics, industry professionals, and policymakers to exchange ideas, present their latest research findings, and discuss the challenges and opportunities in building smarter, more sustainable cities. ICSCGE 2026 will feature keynote speeches, paper presentations, panel discussions, and workshops focusing on cutting-edge technologies, best practices, and policies aimed at creating greener and more efficient urban environments. Join us at ICSCGE 2026 to be a part of this important conversation shaping the future of smart cities and green energy.

Conference Committee

Honorary Chair

Gerard Ledwich, Queensland University of Technology, Australia (IEEE Fellow)

Conference Chairs

Yuchen Zhang, Queensland University of Technology, Australia
Fushuan Wen, Zhejiang University, China (IEEE Fellow)

Conference Co-chairs

Ahmed Abu-Siada, Curtin University, Australia
S.N. Singh, India Institute of Technology (Kunpur), India (IEEE Fellow)
Donglian Qi, Zhejiang University, China

Organizing Committee Chairs

Junhua Zhao, The Chinese University of Hong Kong (Shenzhen), China
Guo Chen, The University of New South Wales, Australia
Farhad Shahnia, Murdoch University, Australia
Ping He, Zhengzhou University of Light Industry, China
Kam-Fung (Henry) Cheung, The University of New South Wales, Australia

Organizing Committee Co-chair

Haifeng Wu, The Chinese University of Hong Kong (Shenzhen), China

Program Chair

Zhenzhi Lin, Zhejiang University, China

Technical Program Committee Chairs

Jing Qiu, The University of Sydney, Australia
Qin Wang, Hong Kong Polytechnic University, China
Yanli Liu, Tianjin University, China
Chunyu Zhang, Taizhou University, China

Publication Chair

Jiajia Yang, James Cook University, Australia

Panel Session Chairs

Xiangjun Li, China Electric Power Research Institute, China
Zhen Wang, Zhejiang University, China
Xiangjing Su, Shanghai University of Electric Power, China

International Liaison Chairs

Fei Teng, Imperial College London, UK
Wei Lin, The University of Hong Kong, China
Xiaoying Tang, The Chinese University of Hong Kong (Shenzhen), China
Bo Jie, The University of Tokyo, Japan
Yunqi Wang, RMIT University, Australia

Publicity Chairs

Sambeet Mishra, University of South-Eastern Norway, Norway
Shuai Lu, Southeast University, China
Hai Wang, Murdoch University, Australia
Heng Zhang, Shanghai Jiao Tong University, China

Call for Papers

Contributed papers are solicited describing original works in smart city and green energy and related technologies. Topics and technical areas of interest include but are not limited to the following:

Track 1: Power Systems and Smart Grid Technologies

Forecasting of load demand and generation from intermitttent renewable energy resources
Power system planning and reliability
Power system operation and security
Economic dispatch and optimal power flow
Power system dynamics, stability and control
Protection, automation, and control devices of power systems
Smart grid monitoring, communication, and control technologies
Digital twins and real-time simulation for power systems
Wide-area measurement systems (WAMS) and PMU applications

Track 2: Renewable Energy Integration and Energy Storage Systems

Grid integration of large-scale wind and photovoltaic systems
Offshore wind power and hybrid renewable energy systems
Energy storage technologies and applications in power systems
Power quality and reliability issues related to renewable energy
Power electronics and converters for renewable energy systems
Hydrogen energy and power-to-X technologies
Distributed renewable energy resources and control strategies
Long-distance transmisison of renewable energy generation

Track 3: Power Electronics, Control, and Energy Conversion

Power electronic devices and systems for energy conversion
Advanced control strategies for power and energy systems
High-voltage and high-power conversion technologies
Electric machines and drives for energy applications
FACTS, HVDC, and flexible transmission technologies
DC power distribution system
Grid-forming and grid-following converter control

Track 4: Grid Resilience, Reliability, and Security

Power system resilience under extreme events and climate impacts
Alarm processing, fault detection, diagnosis, and self-healing in power grids
Reliability assessment and risk analysis of power systems
Cybersecurity and data protection in smart grids
Emergency control, restoration, and black-start strategies
Resilient microgrids and critical infrastructure protection

Track 5: Microgrids, Distributed Energy Resources, and Virtual Power Plants

Microgrid planning, operation, and energy management
Distributed energy resources (DERs) coordination and control
Virtual power plants and aggregated energy systems
Islanded and grid-connected microgrid operation control
Peer-to-peer energy trading and local energy communities
Edge computing and decentralized control for energy systems

Track 6: Artificial Intelligence and Data Analytics for Power and Energy Systems

Machine learning and AI for power system planning, operation and control
AI based forecasting of load demand, renewable generation, and electricity prices
Intelligent fault diagnosis and predictive maintenance
Big data analytics and digitalization of power grids
Intelligent decision-making for energy management systems
Applications of large language models in power and integrated energy systems

Track 7: Energy Markets, Economics, and Policy

Electricity energy market
Capacity market
Ancillary service market
Demand response
Network pricing
Market-based power system dispatch and optimization
Regulatory frameworks and energy policy analysis
Carbon markets, emission trading, and sustainability assessment
Integrated energy markets and multi-energy systems
Power and energy economics
Participation strategies of market entities

Track 8: Smart Cities and Electrified Infrastructure

Smart city energy systems and urban power infrastructure
Charging infrastructure planning of electric vehicles (EVs)
Integration of EVs in power system operation and vehicle-to-grid (V2G)
Intelligent transportation electrification and energy management
Building energy management and smart buildings
Integrated energy systems for sustainable cities

Paper Submission & Publication

Full Paper Submission

- All manuscripts must be written in English and prepared in Double-column format. The main text is typically limited to five pages, and with references, papers are usually six pages in total. The maximum length is eight pages; over-length charges will apply starting from page nine.
- All authors should prepare full versions of papers in pdf or doc format.
- Submissions to ICSCGE 2026 must not be already published or under review at another archival conference or journal. Papers on arXiv do not violate this rule as long as the submitted paper does not cite them. Submitting a paper to the conference means that if the paper was accepted, at least one author will complete the regular registration and attend the conference to present the paper. For no-show authors, their papers will not be included in the proceedings.
- Paper Template (Word): https://icscge.org/conference-template-letter.docx
  Paper Template (LaTex): https://icscge.org/conference-latex-template.zip

Abstract Submission

- If you prefer not to publish a paper, but instead of preparing an abstract for an oral presentation or poster to be presented during the conference, please submit your abstract for an oral/poster presentation. A written paper is not required for this abstract, however, your oral or poster presentation must be presented by the author. Please note that the abstract will NOT be published.
- Download the Abstract Template through:
  https://icscge.org/Abstract%20Template.doc

Submission Link

Scan the QR code on the left or visit the following webiste to submit your paper

https://easychair.org/conferences/?conf=icscge2026

Important Dates

Submission Deadline	April 2, 2026
Notification Deadline	May 7, 2026
Camera-ready Deadline	June 7, 2026
Conference Dates	August 6-9, 2026

Publication

Submissions will be reviewed by the conference technical committees, and accepted papers will be published in **ICSCGE 2026 International Conference Proceedings**, which will be submitted for indexing by **EI compendex** and **Scopus**.

Stella Yang (86) 191 3614 0052 info@icscge.org https://icscge.org