



CALL FOR PAPERS

2025 International Conference for Green Electric Machinery and Industrial Energy Conservation (GEMIEC)



The Institution of Engineering and Technology



中国工业节能与清洁生产协会
CHINA INDUSTRIAL ENERGY CONSERVATION AND CLEANER PRODUCTION ASSOCIATION



广西大学
GUANGXI UNIVERSITY



安徽大学
Anhui University



You are cordially invited to the IET-sponsored International Conference for Green Electric Machinery and Industrial Energy Conservation (GEMIEC), which will be held at Guangxi University, Nanning City of China, on 21-23 November 2025. Electrical drives play a pivotal role in industrial automation, electric mobility, and emerging applications that demand high-speed, high-efficiency and high-reliability performance.

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Pinjia Zhang (Tsinghua University, China)

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Xiangping Chen (Guizhou University, China)
Jinsong Kang (Tongji University, China)
Zhan Liu (Jiangsu Normal University, China)
Hao Li (Shanghai University of Electrical Power, China)
Nian Liu (North China Electric Power University, China)
Bo Wang (Southeast University, China)
Qiao Zhang, Wuhan University of technology, China
Jikai Si (Zhengzhou University, China)
Haimeng Wu (Northumbria University, UK)
Weixiang Shen (Swinburne University of Technology, Australia)
Valery Xing (Aston University, UK)
Bashar Zahawi (Khalifa University, United Arab Emirates)
Paul Lefley (Collins Aerospace, UK)
Dimosthenis Peftitsis (Norwegian University of Science and Technology, Norway)
Vanja Ambrozic (University of Ljubljana, Slovenia)
Kurt Stockman (University of Gent, Belgium)
Radu Bojoi (Politecnico DI Torino, Italy)
Xiang Li (Guangxi University, China)

Keynote Speakers

Mingri Liu Chair of Green Motor & System Committee, Deputy Director of China Industrial Energy Conservation and Cleaner Production Association	Zhuoran Zhang Dean of College of Civil Aviation, Nanjing University of Aeronautics & Astronautics, China	Thomas Xinzhang Wu Dean of School of Electrical Engineering, Guangxi University, China
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Themes and Topics

- **Electrical motors and generators**
Permanent magnet machines, induction machines, reluctance machines, axial flux motors, novel topologies, machine designs, manufacturing processes, faults and failure, condition Monitoring, and health prediction.
- **Power electronics**
Power devices, power converter topologies and design, wide bandgap semiconductors, silicon carbide (SiC) and gallium nitride (GaN) power devices; intelligent control and gate drive circuits, thermal management, and reliability.
- **Industrial applications**
Electrified vehicles, aircraft and ships, power supplies, charging and storage, renewable energy generation.
- **Sustainability**
New materials, industry 4.0, recycling, economic, social and environmental impacts.

Special Sessions

- **Design and Applications of Permanent Magnet Synchronous Motors for Electric Vehicles;** Chairs: Wang Yao, Size Li
- **Advanced Control of AC Motor Drives;** Chair: Yanqing Zhang, Yanping Zhang, Chunqiang Liu, Chao Du
- **Advanced Power Electronics and Drives for Sustainable Industrial Energy Systems;** Chairs: Wenyang Deng
- **Power Electronics Technologies for Green Transformation and Sustainable Systems;** Chair: Bin Liu, Gaoxiang Li, Xianfu Lin, Wei Tian
- **Coordinated Operation of Rail Electrification and Integrated Energy Systems;** Chair: Xue Liang, Yuanpeng Guan, Li Qin
- **Research and Application of the Photovoltaic-Energy Storage-Direct Current-Flexible (PEDF) for New-Type Building Power Systems;** Chair: Qiutian Huang

Important Dates

Final Paper Submission: 31 Oct. 2025
Early-Registration Deadline: 31 Oct. 2025
Registration Deadline: 21 Nov. 2025

Submission

<https://paper.gemiec.org/paper/create/GEMIEC.html>

Publication Information

All presented papers will be included in IET Conference Proceedings, and indexed by EI Compendex, Scopus etc.