

2027 Fifth International Conference on Cyber-energy Systems and Intelligent Energies

Call for Papers

October 21-23, 2027 Shenyang, China

The Fifth International Conference on Cyber-energy Systems and Intelligent Energies (ICCSIE2027) will be held in Shenyang, China, during October 21st-23rd, 2027. The conference will provide an academic platform for experts, scholars and engineers engaged in education and research in relevant fields, which will introduce and review the latest research progress in the field of cyber-energy systems, and explore the future research direction to overcome the technical challenges faced in this field.

The conference is hosted by Technical Committee on Energy Internet, Chinese Association of Automation (CAA) and Technical Committee on Intelligent Adaptive Collaborative Optimization Control, Chinese Association for Artificial Intelligence (CAAI), organized by Northeastern University, and co sponsored by IEEE Computational Intelligence Society (CIS) and Technical Committee on Control Theory (TCCT), CAA. On the premise of meeting the scope and quality requirements, the accepted papers will be submitted for inclusion into IEEE Xplore, and will be indexed by EI.

Conference organization

- **Organizers** Northeastern University
  Technical Committee on Energy Internet, CAA
  Technical Committee on Intelligent Adaptive Collaborative Optimization Control, CAAI

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- Huaguang Zhang, Northeastern University

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- Dong Yue, Nanjing University of Posts and Telecommunications

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Meeting instructions

- The conference warmly welcomes industry experts to use the conference as a platform to organize "Invited Sessions" and "Special Topics" for the frontier hotspots in the field of cyber-energy systems and intelligent energy and related technologies, as well as topics of common interest to researchers and scholars. The conference will provide high-quality platform services. The proposed organizers should contact the conference secretariat (zdy_secretariat@mail.neu.edu.cn) and submit their proposals by Otc. 20th, 2027.

Important Dates

- Deadline for First Submission: Jul. 15th, 2027
- Deadline for Final Submission: Aug. 31th, 2027
- Deadline for Final Authors' Registration: Otc. 15th, 2027
- Meeting registration date: Oct. 21st, 2027

Topics (Including but not limited to)

- Modeling, control and optimization of energy systems
- Optimal control
- Multi-agent systems and distributed control
- Soft computing
- Fuzzy logic and artificial neural networks
- Adaptive control and learning control
- Predictive control
- Cyber-energy systems
- Power internet of things
- Energy security and cyber security
- Cyber-physical systems
- Mechatronics
- Network control system
- Cloud computation/ edge computation
- Intelligent energy
- Energy router
- Energy conversion and management
- Distributed energy resource
- Energy transaction
- Photovoltaic/wind power technology
- Energy storage technology
- Power system stability and control
- Power system condition monitoring
- Demand side management
- Power system communication
- Electric traction system
- Non-invasive detection
- Digital twin

Conference Secretariat Contact

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