The theme of the 5th IEEE Conference on Energy Internet and Energy System Integration is "Energy Internet for Carbon Neutrality", focusing on the theory, roadmap, demonstration and deployment for energy & power transition development to support China’s action plan for ‘peak carbon dioxide emissions’ and ‘carbon neutral’. Specifically, the objective of the transition development of energy & power is to build new power system with new energy as the main body, having the performances of wide interconnection, intelligent interaction, flexibility & resilience, security & controllability.

We invite research papers, workshop proposals, and panel proposals in, but not limited to, the following Topics associated with EI² :

- Renewable energy grid interconnection
  - Operation and control of high voltage DC grids
  - Operation and planning of active distribution system
  - District energy internet/District comprehensive energy systems
  - Source-grid-load-storage coordination dispatch
- Smart grid security
  - Modeling and analysis of resilient energy internet
  - Modeling, co-simulation and analysis of Cyber-Physical System (CPS) of energy internet
  - Simulation & control for power system with high penetration of renewables
- ICT application in energy internet
  - Big data & AI
  - IoT and Digital twin
  - Mobile internet application
  - Cloud computation/ Edge computation
- Market mechanism and policy supporting energy internet
  - Market mechanism
  - Transaction energy
  - Block chain based energy transaction
- Key equipment of energy internet
  - Energy router
  - Solid state transformer
  - Energy storage and transformation equipment
- Business model of energy internet
  - Carbon transaction
  - Participation and interactive
  - Comprehensive energy service based on energy internet
- Demonstration of energy internet
  - District energy internet demonstration
  - City-level energy internet demonstration
  - Others

Paper Submission:
Prospective authors are invited to electronically submit full papers strictly formatted according to IEEE Template in both pdf and word format following instructions accessible via https://cms.amss.ac.cn/?lang=en_US (English version available).

Paper Template Download Address:
https://www.ieee.org/conferences/publishing/templates.html
All regular papers must adhere to the 6-page limit.
Accepted and presented papers will be submitted for inclusion in the IEEE Xplore online digital library and EI compendex.
Special Guests of the Conference

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Doctor, President, IEEE Power & Energy Society (PES)

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Academician of Chinese Academy of Sciences

Yi Jiang  
Academician of Chinese Academy of Engineering

Zuyu Chen  
Academician of Chinese Academy of Sciences

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Important Dates

- Feb.25,2021  
  Notice of call for paper
- Apr.10,2021  
  Submission system open
- Aug.15,2021  
  Full paper submission deadline
- Aug.30,2021  
  Notification of acceptance
- Sep.20,2021  
  Early registration closes
- Oct.22-24,2021  
  Conference

For additional information please visit www.ieee-ei.org. Please don’t hesitate to contact ieee-ei2@tyut.edu.cn or IEEE_EI2_2021@163.com if you have any questions.