

Energy Internet for Carbon Neutrality

October 22-24, 2021 Taiyuan, China



Oct. 22th-24th, 2021, Taiyuan, China

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



Jessica Bian

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



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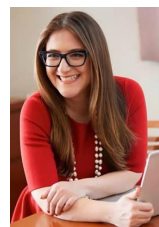
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Shay Bahramirad

Doctor, Vice President of
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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.