

ICEI 2024

The 8th IEEE International Conference on
ENERGY INTERNET

November 1-3, 2024 | ZHUHAI, CHINA

ICEI 2024

Organized by Beijing Jiaotong University and Jinan University, The 8th IEEE International Conference on Energy Internet (ICEI 2024) will be held in Zhuhai, China during November 1st - 3rd, 2024.

Energy Internet is an Internet-style solution for bottom-up construction of energy infrastructure and applications. The key principle of Energy Internet is decentralized coordination of energy production and consumption that enable open and peer-to-peer energy sharing. The ideal of Energy Internet is iterative balance among energy generation, storage and consumption in real time. By allowing high-level awareness and involvement in the form of cooperation and interaction, secure and reliable delivery of energy is achieved by efficient scheduling, distribution and routing across peers of energy cells in Energy Internet.

IEEE ICEI 2024 will focus on related research areas such as architecture and design, energy switching and routing, information and communication technology, energy management systems, as well as energy market and trading for Energy Internet. This conference provides a platform for researchers, academics and industries from multidisciplinary domains to share their knowledge, ideas and working experiences for Energy Internet.

Conference Committee

Honorary Chairs



Licheng Li

Academician of Chinese Academy of Engineering



Jizhen Liu

Academician of Chinese Academy of Engineering



Jinghan He

Professor/IEEE Fellow



Xipeng Cai

Professorial Senior Engineer/President

Conference Chairs

Topics of Interests

The topics for submissions include but not limited to:

Architecture and Design of Energy Internet

- Modeling, Simulation and Analysis
- Cyber-Physical System Security
- Demonstration Engineering and Applications
- Complex Network Theory based Energy Internet

Energy Switching and Routing for Energy Internet

- Renewable Energy Generation
- Large Scale Energy Storage
- Flexible AC/DC Distribution
- Energy "Routers", "Computers" and "Protocols"
- Electrical Vehicles

Information and Communication for Energy Internet

- Monitoring and Measurement
- Energy Internet Enabled Data Centers
- Software Defined Energy Internet
- Big Data Analysis
- Mobile Edge Computing for Energy Internet

Smart Devices in Energy Internet

- Unmanned Aerial Vehicle (UAVs) in Energy Internet
- Internet of Electric Vehicles for Energy Internet
- Power Scheduling for Charging Electric Vehicles
- Modeling and Simulation for the Interaction of Grids and Automatic Driving

Energy Management Systems for Energy Internet

- Complementary Scheduling and Optimization of Multiple Energy Flows
- Coordination of Energy Sources, Networks, Storage, and Loads
- Power Quality and Power Experience
- Artificial Intelligence for Energy Internet
- Demand Side Management and Response

Energy Market and Trading for Energy Internet

- Block Chains
- User Centric Energy Services
- Cost-effectiveness Analysis for Energy Internet Engineering
- Value Driven Energy Management
- Decarbonisation, Carbon Trade

Paper Submission

By submitting a manuscript to ICEI 2024, authors acknowledge that it has not been previously published or accepted for publication in substantially similar form, including journals, conferences, workshops, or other peer-reviewed, archival forums.

Each paper should have no more than SIX pages, including references and illustrations, written in IEEE conference proceedings format.



Papers must be written in English and submitted electronically as a PDF file at: <https://easychair.org/conferences/?conf=icei20240>

Publication

Accepted and presented papers will be published into Conference Proceedings and be included in IEEE Xplore and submitted to EI compendex.

Organizers



Co-Organizers



Call for Special Sessions

Scholars who are interested in organizing special sessions are kindly invited to submit formal proposals to ICEI 2024. The organizers will take charge of the review process of the papers submitted to the sessions via the Easychair.

A Special Session Proposal Should Include:

- Session Title
- Brief Introduction of the Proposed Session (topics included)
- Names and Affiliations of the Organizers
- Contact Information



Proposal Template

Submission Method

Please follow the Template to finish your formal proposal, and send it to the conference email address: icei2024@youngac.cn

Important Dates

Full Paper Submission Deadline	Sept. 30, 2024
Acceptance Notification Deadline	Oct. 10, 2024
Final Paper Submission Deadline	Oct. 20, 2024
Conference Registration Deadline	Oct. 10, 2024