

Connecting the Grids towards a Low-Carbon High-Efficiency Energy System!



IEEE EI²
2020



The 4th IEEE Conference on Energy Internet and Energy System Integration

Oct. 30th - Nov. 1st, 2020, Wuhan, China

The 4th IEEE Conference on Energy Internet and Energy system Integration (EI² 2020) focuses on innovative technologies and practical applications regarding – “Energy Internet” and “Energy System Integration” (EI² in abbreviation). EI² couples multiple energy systems, e.g. electricity, gas, heating, cooling and transportation, with energy storage and ICT technologies, including cloud computation, big data analysis, internet of things (IoT), mobile internet, artificial intelligence (AI) and applications of 5G communication, to promote the interconnection, openness, sharing and coordination of various energy resources and shape a green, low-carbon, efficient, low-cost and environment-friendly energy ecosystem.

We invite research papers, workshop proposals, and panel proposals in, but not limited to, the following

Topics associated with EI²:

- System modelling, simulation, optimization and design
- Planning, operation, control and protection
- Energy management: Integrations of multi-energy systems and renewable energy, power-electronic dominated power systems, energy storage, demand response, blackout prevention and self-healing control etc.
- Ubiquitous power internet of things and digital power grids
- Emerging key facilities: energy router, energy hub, electrical vehicles, wireless energy transfer, microgrids, etc.
- Enabling techniques on information, computation and communication: sensing, edge computing, cloud computing, big data, artificial intelligence, blockchain, etc.
- Cyber-physical system and cyber security
- UHV AC and DC transmission systems
- Urban energy transition, energy internet supporting smart cities
- Power and energy market, energy policies and business models
- Experimentations, implementations and demonstrations of the projects

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 www.ieee-ei.org. Accepted and presented papers will be submitted for inclusion in the IEEE Xplore online digital library and EI compendex.

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Important Dates

- Feb.15, 2020 • Notice of call for paper
- April.15, 2020 • Submission system open
- July 15 **Aug.15**, 2020 • Full paper submission deadline
- ~~Aug.15~~ **Sep.01**, 2020 • Notification of acceptance
- ~~Sep.10~~ **Sep.20**, 2020 • Early registration Closes
- Oct.30, 2020 • Conference

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