Special Issue

Distributed Energy Resources in Transactive Energy Systems—2nd Edition

Message from the Guest Editor

The number of distributed energy resources (DERs) connected to the distribution grid has increased in recent years, and this requires a change in the way current power system networks operate. Against this background, transactive energy has attracted extensive attention in terms of research as an active management scheme for prosumers through energy sharing and trading in power systems. This Special Issue calls for original research articles, reviews, and case studies contributing to theories, frameworks, mechanism design, regulation, and supporting technologies for DERs in transactive energy systems. Topics to be covered in this Special Issue include, but are not limited to, the following:

- Distributed generation, renewable energy resources, smart grids, and microgrids.
- Energy market designs, energy market mechanisms, energy pricing, and market regulation.
- Transactive energy, peer-to-peer energy trading, virtual power plants, demand-side management, and incentive mechanisms.
- Optimal market strategies and agent-based models.
- Blockchains, power routing, and cybersecurity.

Guest Editor

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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