Special Issue

Energy Transition: Decentralization, Electric Vehicles, and Local Energy Markets

Message from the Guest Editors

This Special Issue invites original research papers for publication focusing on topics of interest including but limited to the following:

- Pricing, market clearing, and validation methods in local electricity markets;
- Local market architecture, business models, cost–benefit analysis, and energy policies for the adoption of DER;
- Coordination and interactions between markets at different levels;
- Modelling and coordination of different actors interacting at the different levels of the energy chain;
- Flexibility services for DSO, TSO, and balancing responsible parties;
- Distributed ledger technology (including blockchain) for peer-to-peer energy markets and transactive energy;
- Classical and modern optimization methods for scalable management and control of large-scale DER;
- Modern ICT to implement decentralized energy systems in the smart grid paradigm;
- Decentralized electric vehicle management and scheduling models;
- Local electricity market models for electric vehicles;
- Smart contracts for electric vehicles.

Guest Editors

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Dr. Fernando Lezama

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Deadline for manuscript submissions

closed (29 October 2023)

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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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