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## Recent Advances in Power Distribution Networks: Applications and Technologies for Local Energy Communities Integration

Guest Editors:

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**Dr. Zahra Foroozandeh**

Deadline for manuscript  
submissions:

**closed (3 September 2023)**

### Message from the Guest Editors

This **Special Issue** invites original research papers for publication focusing on topics of interest, including but not limited to the following:

- Local energy communities' modeling;
- Local energy markets and P2P market modeling;
- Innovative models for distribution network planning, operation, reconfiguration, and energy resources management in the smart grid paradigm;
- Coordination and interactions between markets at different levels;
- Coordination between distribution system operators and energy resource aggregators;
- Innovative flexibility strategies for smart distribution grids;
- Modern and classical optimization methods applied to distribution systems in a smart grid context;
- Electric mobility integration;
- Smart grid-enabling technologies (e.g., real-time information systems, communication and control systems, advanced metering systems, reactive power sources, advanced switching, energy storage systems, etc.).



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# Special Issue



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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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