

Special Issue

Optimization Principles Applied in Planning and Operation of Active Distribution Networks

Message from the Guest Editors

This Special Issue focuses on combining the aforementioned challenges in optimization functions which can provide additional insight into the distribution grid's overall performance. Potential topics include but are not limited to:

- Distribution network expansion;
- Optimal location and sizing of: Distributed generation units; Energy storage units; Capacitor banks; D-STATCOMs; Voltage regulators;
- Distribution network reconfiguration;
- Overcurrent relay optimization and coordination;
- Distributed generation and clean technology;
- Energy storage systems;
- Demand response;
- Electric vehicles;
- High-voltage shore connection;
- Ancillary services in distribution grids;
- Transmission network planning and operation;
- The concept of a market mechanism for distribution networks;
- The influence of regulatory authorities on distribution network planning and operation;
- Comparison and main advantages/drawbacks of different power distribution network concepts throughout the world.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2024)



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About the Journal

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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