

Special Issue

Smart Grids and Active Distribution Networks: Modeling, Optimization, and Planning Approaches

Message from the Guest Editor

The use of renewable energy sources and electric vehicles will continue to drastically change the operation of distribution systems. In opposition to conventional approaches, modern distribution planning algorithms should emulate new environments to produce strategic expansion plans for guiding the evolution of the system in times of financial restriction. In this Special Issue, we invite original submissions of new research outcomes that highlight innovations in the area of planning power distribution networks. Topics of interest include, but are not limited to, the following:

- Innovative planning techniques for MV and LV distribution networks;
- Probabilistic approaches to power distribution network planning;
- The smart management of distributed energy resources in power distribution networks;
- Regulatory requirements for innovative power distribution network planning;
- Power distribution network planning with innovative no-network solutions (flexibility exploitation);
- The optimization of power distribution networks.

Guest Editor

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Deadline for manuscript submissions

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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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