

Special Issue

New Challenges in Electrical Power Distribution Networks

Message from the Guest Editors

This Special Issue aims to present and disseminate the most recent advancements related to new challenges in electrical power distribution networks, integrating planning aspects to distributed generation utilization, storage applications, microgrid models, EV integration, solutions for system protection, and business models for system management. Topics of interest for publication include, but are not limited to:

- Load and generation forecasting at the distribution system level;
- Network expansion planning;
- Network operation planning;
- Investment strategies;
- Integration of distributed energy resources;
- Smart grids;
- Microgrids;
- Electric mobility, considering the development of charging infrastructures, G2V, V2V, V2G;
- Business models and the relation between distribution agents;
- Uncertainties and risk management at the distribution level;
- System reliability;
- Advances in the distribution regulation and tariff models;
- Advances in protection schemes;
- Automation, control, and management of distribution networks.

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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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