



New Challenges in Electrical Power Distribution Networks

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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

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