



Smart Distribution System Analysis: Optimization and Control

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Message from the Guest Editors

Electrical distribution networks have been rapidly transformed by the massive integration of renewable energy sources, energy storage systems, and active power consumers. One of the most important devices in the transformation of electrical distribution networks corresponds to power electronic converters since this interface has a network with power sources, energy storage devices, and active consumers and allows for its efficient controllability, flexibility, and management.

The main aim of this **Special Issue** is to publish high-quality contributions that address the current issues related to more sustainable, safer, and more resilient distribution networks. Topics of interest include, but are not limited to, the following:

- Solar, wind, and emerging generation technologies;
- Power electronic converters;
- Metaheuristic and convex optimization;
- Energy storage technologies;
- Electric vehicle and recharging substations;
- Multi-phase distribution networks;
- Direct current distribution networks;
- Protective devices coordination;
- Graph theory applied to distribution networks.

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Message from the Editor-in-Chief

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