

Special Issue

Smart Distribution System Analysis: Optimization and Control

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.

https://www.mdpi.com/journal/electronics/special_issues/Distribution_System

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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