Special Issue

Fault Detection and Diagnosis of Power Distribution System

Message from the Guest Editors

Distribution systems are very important for achieving reliable and safe power supply. There have been multiple serious explosion and fire accidents caused by distribution system faults. The traditional issues with distribution systems have not been solved yet, including accurate fault location and high-impedance fault detection. Moreover, the large number of new energy production, energy storage, and electric vehicle-charging facilities connected to the distribution system enhances the complexity and diversity of fault features. This Special Issue aims to present and disseminate the most recent advances related to high-impedance fault detection, fault analysis, fault diagnosis, fault location, fault anticipation, protection, electric fires, and the condition monitoring of power distribution systems. Topics of interest for publication include, but are not limited to, the following areas:

- Fault detection and location;
- Fault type and fault cause identification;
- High-impedance fault detection;
- Incipient fault detection and fault anticipation;
- Electric fire detection and warning;
- Distribution system protection;
- Distribution system equipment condition monitoring.

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Deadline for manuscript submissions

15 December 2025

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/244497

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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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