Special Issue

Advances in Condition Monitoring and Fault Diagnosis of Electrical Equipment

Message from the Guest Editors

This Special Issue, *"Advances in Condition Monitoring and Fault Diagnosis of Electrical Equipment"*, aims to showcase innovative research and methodologies addressing these challenges. We cordially invite submissions focusing on novel condition-monitoring technologies, advanced diagnostic algorithms, intelligent fault prediction, and smart maintenance strategies. Contributions may encompass theoretical developments and practical applications, with an emphasis on the scalability, robustness, and applicability of solutions in electrical equipment in the industrial and energy sectors. Topics of interest include, but are not limited to, the following:

- Real-time multi-physical (electromagnetic/thermal/vibration/acoustic) condition monitoring;
- AI, machine learning, and deep learning approaches for health indicator mining;
- Digital twin-based predictive maintenance frameworks;
- Advanced model-based fault-tolerant control and design;
- Integration of AI and edge computing into predictive maintenance frameworks.

Guest Editors

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Deadline for manuscript submissions

15 September 2025

Energies

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Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/235434

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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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