

Special Issue

Advances in Monitoring and Fault Diagnosis for Power Equipment

Message from the Guest Editors

The reliable and efficient operation of power equipment is paramount to ensuring the stability and security of modern power systems. However, power equipment is constantly subjected to various stresses during operation, leading to potential failures that can result in significant economic losses and safety hazards.

Therefore, developing advanced monitoring and fault diagnosis techniques is crucial for the early detection, accurate identification, and timely mitigation of potential faults in power equipment. This special issue aims to provide a platform for researchers and engineers to share their latest findings and innovations in this critical field. We seek high-quality original research articles and comprehensive reviews that address the challenges and opportunities in: advanced sensing technologies, signal processing and feature extraction, fault diagnosis and prediction models, condition monitoring and health management, applications in various power equipment. **Keywords:** Power equipment, condition monitoring, fault diagnosis, signal processing, machine learning, artificial intelligence, predictive maintenance, power system reliability.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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