Special Issue

Fault Diagnosis for Electrical Systems and Power Networks

Message from the Guest Editor

Electrical systems and power networks are collectively referred to as integrated energy systems. Integrated energy systems will usually fail due to natural factors, human factors and equipment aging, which will cause huge economic losses and serious social impact. Therefore, it is particularly important to strengthen fault diagnosis technology to ensure the stable and safe supply of energy. Model-based diagnosis and data-driven diagnosis methods, advanced fault location and elimination technology, fault prediction and device protection of electrical systems, data acquisition and monitoring control technology, fault discrimination and fault phase selection of transmission lines, artificial intelligence fault diagnosis methods and the safety and security of integrated energy systems are attracting more and more interest from the research community. In this Special Issue, we invite submissions exploring cutting-edge research and recent advances in the field of Fault Diagnosis for Electrical Systems and Power Networks. Both theoretical and experimental studies are welcome, as well as comprehensive review and survey papers.

Guest Editor

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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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