Special Issue

Fault Diagnosis of Clean Energy Equipment

Message from the Guest Editors

The growing reliance on clean energy has spurred a significant shift towards sustainable and low-carbon energy systems. However, the complexity and diversity of clean energy equipment, such as wind turbines, photovoltaic systems, energy storage devices, and nuclear power plant components, pose new challenges in reliability, maintenance, and operational efficiency. Fault diagnosis is crucial for ensuring the safe, stable, and efficient operation of these systems by enabling early detection, accurate localization, and effective mitigation of faults, thereby reducing downtime, maintenance costs, and potential environmental impacts. This Special Issue aims to gather cutting-edge research contributions on fault diagnosis of clean energy equipment, with a focus on innovative methodologies, practical applications, and future trends. We invite submissions from experts in diverse fields, including fault diagnosis, electromagnetic precision measurement, electromagnetic field modeling, and artificial intelligence. Contributions may include original research articles, review papers that address fault diagnosis techniques and their applications in various clean energy equipment.

Guest Editors

Dr. Qi Xiao

Dr. Senxiang Lu

Dr. Yu Yao

Dr. Wenhui Li

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Electricity
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electricity@mdpi.com

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Editor-in-Chief

Prof. Dr. Andreas Sumper
CITCEA-UPC, Department of Electrical Engineering, Universitat Politecnica de Catalunya, 08028 Barcelona, Spain

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