Special Issue

Fault Diagnosis and Control Design Applications of Energy Systems

Message from the Guest Editor

Wind and solar energy are extensive renewable energy sources. Both contribute to solving some of the environmental problems caused by climate change. However, the operation and maintenance (O&M) of distributed renewable energy sources is currently a challenge, moving from preventive, corrective, and inspection-based maintenance to data analytics and predictive maintenance. This Special Issue aims to address the current state-of-the-art technology on data fusion, artificial intelligence, and control applied to optimize the O&M on distributed renewable plants. Papers are invited that investigate innovative methodologies to monitor, diagnose, prognose, and control the performance of renewable assets. Topics may include but are not limited to studies on data-based modelling and supervised and unsupervised algorithms applied to real-time data. Case studies describing real-life applications of novel technologies are also welcome.

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.

Editor-in-Chief

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