



Fault Diagnosis and Control Design Applications of Energy Systems

Guest Editor:

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Deadline for manuscript
submissions:

closed (10 May 2021)

Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Jordi Cusido
Guest Editor

