Wind Power Generation Fault Diagnosis and Detection

Guest Editor:

Dr. Jordi Cusido
Project and Construction Engineering UPC, Universitat Politécnica de Catalunya, 08034 Barcelona, Spain

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Message from the Guest Editor

Wind energy is one of the most sustainable and important sources of energy, accounting for 21% (591 GW) of total renewable electricity. Due to technological advances made in the last decade, wind power has become more competitive with traditional power prices. However, wind energy needs to solve several challenges that do not allow it to be equal to or more competitive than traditional energy sources or renewable energies such as hydropower and solar PV, which has been the most installed renewable energy in the last three years. A major challenge exists in the strict O&M for turbines to make wind farms profitable beyond their original useful lifetime, without the need for any incentives. This Special Issue is looking for contributions on novel methodologies for fault diagnosis and early detection on wind power fleets.

Special Issue

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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