Special Issue

Wind Power Generation Fault Diagnosis and Detection

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.

Guest Editor

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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