Special Issue

Application of Power System in Sustainable Energy Perspective

Message from the Guest Editors

With the steady growth of wind power generation scale, the failure of wind turbines has gradually become a challenge for their development. Nowadays, not only university researchers in related fields but also large wind power system enterprises are also committed to the research and development of condition monitoring and fault diagnosis technology of wind turbines. Researching effective methods for monitoring and diagnosing wind turbine conditions, comprehensively improving the operational safety and stability of wind turbines, is an important trend in line with the current development of renewable energy systems. This Special Issue aims to gather and propagate the most recent research results and breakthroughs in condition monitoring and fault diagnosis of wind power systems, including the application of numerous theories and technologies such as dynamics modeling, sensor layout, data acquisition, parameter measurement, signal analysis, feature extraction, fault diagnosis, anomaly detection, structural damage identification, early warning, health condition assessment, residual life prediction, and other related software even hardware technology.

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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