Special Issue

Prognostics and Health Management (PHM) of Wind Turbines

Message from the Guest Editor

Prognostics and health management (PHM) of mechanical equipment is an important technology to ensure the safe operation of equipment and improve its economic benefits. Nowadays, in most countries, key mechanical equipment such as wind turbines has gradually moved from the research and development stage to the operation and maintenance stage. As a result, research and application of PHM technologies for wind turbine equipment have received extensive attention in academia and industry. In recent years, with the rapid development of emerging technologies such as information technology and artificial intelligence, the research of PHM for wind turbines reaching a climax, scholars at home and abroad have achieved a series of innovative results in dynamics modeling, monitoring signal analysis, intelligent fault diagnosis, and remaining useful life prediction of mechanical equipment. To comprehensively report on research progress in this field, disseminate excellent research outcomes, and promote the development and application of PHM technologies for wind turbine equipment, this Special Issue focuses on presenting novel ideas, methods, and applications for advancing this field.

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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