Special Issue

Fault Diagnosis and Prognosis in Rotating Machines

Message from the Guest Editor

Rotating machines are essentially composed of rotating parts, covering a broad range of mechanical applications. As they often operate under harsh conditions, the health state of rotating machines plays a critical role in affecting the performance of the overall mechanical system. In recent years, the fault diagnosis and prognosis of rotating machines has attracted considerable attention because such components often experience unexpected downtime and failures. Various diagnostic methods have been proposed for different types of rotating machines, such as those based on vibration signals, high-speed imaging, acoustic emissions, etc. This Special Issue will collect original research and review articles on recent findings in the areas of fault diagnosis and prognosis in rotating machines, especially with advanced data-driven techniques. Authors are asked to declare their research objectives, state all the assumptions used to derive new models, and clearly define their research hypotheses.

Guest Editor

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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