Special Issue

Advanced Techniques for Fault Detection, Diagnosis, and Prognostics in Machinery

Message from the Guest Editor

This Special Issue aims to explore innovative methodologies and innovations in the field of fault detection, diagnosis, and prognostics for machinery. This issue highlights novel approaches, including advanced sensing technologies, data-driven analytics, machine learning algorithms, and predictive maintenance strategies. Contributions will cover various applications across various industries, addressing challenges such as early fault detection, accurate diagnosis, and reliable prognostics. By fostering interdisciplinary research and collaboration among researchers, engineers, and industry practitioners, this Special Issue aims to advance state-of-the-art machinery health monitoring. It seeks to contribute significantly to improving operational efficiency, reducing maintenance costs, and extending the lifespan of critical machinery components. Ultimately, the insights and innovations presented will pave the way for more resilient and sustainable industrial operations in the face of increasing complexity and technological advancement.

Guest Editor

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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.
Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.
There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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