

Special Issue

Fault Diagnosis and Health Management of Power Machinery

Message from the Guest Editors

Modern power-machinery systems are typically operated in harsh operating and environmental conditions. Therefore, it is of significance to develop a proactive program by which to effectively reduce unexpected failures and further improve the effectiveness of power-machinery operation. The knowledge from diagnosis is also utilized to quantify the machinery's health state and track the evolution of machinery performance degradation in support of its remaining useful life prognosis. This Special Issue aims to collect original ideas for the fault diagnosis and prognosis of power-machinery systems. The guest editors invite original contributions on the following topics, but authors are not limited to these: Constructing health indicators; Sensor-data fusion techniques; Condition monitoring and intelligent fault diagnosis; Data-driven, physics-based and hybrid prognostic strategies; Machine learning in fault diagnosis and prognosis; The integration of diagnostic and prognostic decisions in maintenance strategies; Uncertainty quantification.

Guest Editors

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Deadline for manuscript submissions

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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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