Special Issue

Artificial Intelligence for Fault Diagnosis of Rotating Machinery

Message from the Guest Editors

The condition monitoring of complex engineering systems is of high importance and is a fast-growing research field. The convergence of artificial intelligence techniques and the field of condition monitoring allows researchers and industrial professionals to solve complex problems for predictive health maintenance of rotating machines, such as extracting features sensitive to their degradation from time-series data, selecting the most valuable features, and based on them, not only detecting the appearance of the faults but also differentiating the exact types of the faults within and estimating the remaining useful lifetime of the machine. Furthermore, advances in artificial intelligence provide the tools and foundations for creating fascinating data-driven end-to-end solutions for predictive health maintenance of engineering systems in general and rotating machines specifically. This Special Issue aims at attracting researchers and industrial professionals to investigate and present recent advances and techniques addressing the problems of rotating machinery condition monitoring.

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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