Special Issue

Machine Learning for Machinery Prognostics and Health Management

Message from the Guest Editors

Condition monitoring and prognostics should contribute to sustainable asset management. Knowledge, information and data must be used to detect anomalies, diagnose the causes of failure, predict the health of the system and estimate the remaining useful life to decide on the appropriate maintenance action. Machine learning has offered new tools to analyze the data from the production process, quality control or maintenance data. Consequently, the data field is wider than ever and artificial intelligence makes it possible to achieve outstanding results that more traditional methods cannot achieve. This Special Issue of *Machines* will focus on but not be limited to advances in the application of AI to the life-cycle management of electromechanical equipment. This special issue will provide an excellent opportunity to bring together researchers working on machine learning models and algorithms for machine condition monitoring and prognostics.

- prognostics and health management (PHM)
- condition monitoring and prognostics
- machine learning
- deep learning
- fault diagnosis
- remaining useful life

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2023)

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About the Journal

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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