Special Issue

Monitoring and Fault Identification Based on Artificial Intelligence Methods

Message from the Guest Editors

Condition monitoring strategies play an important key role in the fault identification in rotating machines leading to determining the current status and the future evolution/degradation of health conditions. Currently, Artificial Intelligence (AI) allows proposing novel monitoring structures to overcome recent challenges in the field of fault diagnosis. Therefore, this Special Issue is focused on but is not limited to the following topics:

- Condition monitoring;
- Fault detection and identification;
- Rotating machines;
- Complex signal processing applied to transient and stationary regimes;
- Feature calculation, feature extraction, and feature selection;
- Smart sensors for fault detection in Industry 4.0;
- Artificial intelligence methods.

Guest Editors

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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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