

Special Issue

Vibration Based Condition Monitoring

Message from the Guest Editors

Vibration-based condition monitoring as well as damage detection and identification are very important concerns related to accurate operation of machines, in order to ensure their desirable operational properties, safety, and integrity. In this respect, in the last few years an expanding increase of vibration-based condition monitoring methods for damage detection and identification in machines has been noticed. This evolution was positively influenced by following factors: the advance of measurement techniques and devices in vibration engineering, as well as the progress of mathematical tools for signal processing and conditioning. All these factors impact actual tendencies related to vibration-based condition monitoring and damage identification in machines and their components.

We are pleased to invite you to contribute on this Special Issue, because it will collect interdisciplinary contributions on vibration-based condition monitoring and damage identification, being a strong motivation to consider and develop some original aspects of research.

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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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