



Advances in Artificial Intelligence for Vibration-Based Life Cycle Assessment

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Message from the Guest Editors

This Special Issue aims to provide a platform for researchers and engineers to share their latest theoretical achievements and/or engineering experiences. This could facilitate the identification of critical issues and challenges for future studies in the field. The theoretical papers accepted into this Special Issue are expected to contain original ideas and potential solutions for resolving real problems.

Topics include, but are not limited to, the development and application of AI in vibration-based methods, such as:

- Damage detection and localization;
- Non-destructive testing;
- Condition monitoring;
- Structural health monitoring;
- Damage diagnosis and prognosis;
- Predictive maintenance;
- Decision-making.

We look forward to your contributions.





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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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