

## Special Issue

# Towards Intelligent Machinery Health Monitoring: Detection, Diagnostics, and Prognostics

### Message from the Guest Editors

In modern industries, the monitoring of machinery health is essential for the adoption of predictive maintenance strategies. Indeed, the constant control of the machinery condition in real time enables the early detection of potential faults and the prevention of unnecessary maintenance operations, while preserving the performance of the system. This Special Issue is addressed to both researchers and industrial professionals, and aims to collect the latest theoretical and applied advancements in the field of data-driven approaches to the health monitoring of intelligent machinery. The submission of the results of experimental research is encouraged. The theoretical papers accepted into this Special Issue are expected to present novel contributions and potentially viable solutions to real industrial problems of practical interest. We look forward to your contribution!

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2024)



## Machines

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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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### Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso  
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