

Special Issue

Condition Monitoring and Fault Diagnosis

Message from the Guest Editors

Condition monitoring and fault diagnosis techniques for machines and equipment have witnessed substantial advancements in recent decades, driven by the increasing demands for enhanced reliability, efficiency, and safety in industrial operations. Condition monitoring of valuable and high-cost machinery is crucial for performance tracking, reducing maintenance costs, boosting efficiency and reliability, and minimizing mechanical failures. This is a call for papers for a Special Issue on "Condition Monitoring and Fault Diagnosis". This Special Issue will provide a venue for scholars and researchers to share their most recent theoretical and technical successes, as well as to highlight key topics and difficulties for future study in the field. The following research topics are included, but not limited to:

- Predictive maintenance and health management of equipment.
- Equipment condition monitoring and intelligent maintenance.
- Analysis of complex non-stationary signals in electromechanical systems.
- Intelligent perception and fault diagnosis.
- Mechanical system dynamics and failure simulation.

Guest Editors

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Deadline for manuscript submissions

1 March 2026



Machines

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CiteScore 4.7



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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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