Special Issue

Evaluation of State of Health of Equipment for Predictive Maintenance and Circular Economy

Message from the Guest Editor

Today, companies are trying to improve the reliability of their equipment by implementing technical solutions such as health monitoring and effective diagnostics. This Special Issue will focus on health assessment methodologies throughout the life cycle of machines. Topics of interest include:

- Data-driven fault diagnosis techniques.
- Advanced model-based fault diagnosis and fault-tolerant control techniques for complex industrial processes.
- Intelligent fault diagnosis and fault-tolerant control techniques for safety-critical systems.
- Real-time implementation and industrial applications.
- Predictive maintenance including remanufacturing.
- Maintenance and circular economy.
- Management of obsolescence.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2024)

Machines

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.7

mdpi.com/si/185826

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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.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).