

Special Issue

Reliability of Mechatronic Systems and Machine Elements: Testing and Validation

Message from the Guest Editors

This Special Issue will accept contributions describing innovative research and developments in “Reliability of Mechatronic Systems and Machine Elements”. The Special Issue will cover a wide range of disciplines, including mechatronic systems, robotics and advanced machines, automation and control systems, human-machine systems, and manufacturing systems. It particularly welcomes those emerging methodologies and techniques which bridge theoretical studies and applications in system reliability and test methods. Novel quantitative engineering and science studies may be considered as well. The proposed Special Issue particularly fits the following scopes of MDPI’s *Machines* journal:

- mechatronics, robotics, automation, and control systems;
- mechatronic system modeling and simulation techniques and methodologies;
- innovative human-machine interactions for intelligent mechatronic systems;
- machine diagnostics and prognostics (condition monitoring);
- mechanical systems, machines and related machine elements;
- test and validation methods for mechatronic systems.

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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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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).