Special Issue

Advances in Applied Mechatronics, Volume II

Message from the Guest Editors

Following the success of our previous Special Issue, "Advances in Applied Mechatronics" (https://www.mdpi.com/journal/machines/special_issues/applied_mechatronics), we are pleased to announce the next in the series, entitled "Advances in Applied Mechatronics, Volume II". This Special Issue welcomes high-quality original research and review articles that cover a broad range of topics related to theoretical and applied aspects of modern mechatronics. Potential topics include, but are not limited to, the following:

- Advanced smart automation technologies in mechatronics;
- MEMS dynamics and control;
- Sensor design and data collection approaches;
- Model-based mechatronic system design;
- Mechatronics and smart manufacturing systems;
- Computational intelligence in mechatronic systems;
- Artificial intelligence in mechatronic systems;
- Mechanism synthesis, analysis, and design;
- Modeling, control and optimization of complex mechatronic systems;
- Novel robotic systems;
- Intelligent health monitoring and supervisory control of mechatronic systems;
- Medical mechatronics for healthcare.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2024)

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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

Prof. Dr. Antonio J. Marques Cardoso
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Rapid Publication:
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).