

Special Issue

Design, Modeling and Control of Advanced Mechatronic Systems

Message from the Guest Editors

This Special Issue aims to report and release high-impact research that expands our knowledge on the design, modeling and control of advanced mechatronic systems. We invite high-quality research that investigates this topic in one of the following areas: hydrodynamic modelling, intelligent control algorithm, hydraulic transmission and control, machinery design and manufacturing, medical apparatus and instruments, automotive engineering, energy resource transportation, advanced detection technology, robot technology, vibration and isolation and other mechatronics engineering. The following are keywords relevant to the research:

- Hydrodynamic modelling;
- Intelligent control algorithm;
- Hydraulic transmission and control;
- Machinery design and manufacturing;
- Medical apparatus and instruments;
- Automotive engineering;
- Energy resource transportation;
- Advanced detection technology;
- Robot technology;
- Vibration and isolation;
- Mechatronics engineering

Guest Editors

Prof. Dr. Yunhua Li

Prof. Dr. Yan Shi

Dr. Yixuan Wang

Deadline for manuscript submissions

closed (31 December 2022)



Machines

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.1



mdpi.com/si/112977

Machines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
machines@mdpi.com

[mdpi.com/journal/
machines](https://mdpi.com/journal/machines)





Machines

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.1



[mdpi.com/journal/
machines](https://mdpi.com/journal/machines)



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
CISE–Electromechatronic Systems Research Centre, University of
Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1
(Control and Optimization)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.9 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2026).