

Special Issue

Kinematics and Dynamics of Mechanisms and Machines

Message from the Guest Editors

Traditionally, kinematics and dynamics for mechanisms and machines have been limited to rigid body motion constrained by clearance-free joints. The integration of emerging technologies into traditional mechanism and machine sciences can be regarded as an important trend. Therefore, this Special Issue will be devoted to the exchange of technical and scientific information on theory and practice regarding the modernization of mechanical, mechatronic, and robotic systems. The topics will cover the state-of-the-art research on mechanism synthesis and analysis, theoretical and computational kinematics, compliant mechanisms, origami-based engineering design, motion planning, dynamics, the control of robots, medical and rehabilitation robotics, novel mechanisms, robots, applications, and mechanism-based metamaterials. We seek submissions with original perspectives and transformational breakthroughs on the aforementioned themes.

Guest Editors

Prof. Dr. Dar-Zen Chen

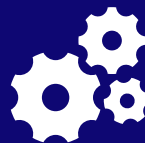
Department of Mechanical Engineering, National Taiwan University,
Taipei 106319, Taiwan

Dr. Kuan-Lun Hsu

Department of Mechanical Engineering, National Taiwan University,
Taipei 106319, Taiwan

Deadline for manuscript submissions

closed (31 March 2022)



Machines

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.7



mdpi.com/si/96025

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 2.1
CiteScore 4.7



[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 15.5 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2024).