

Special Issue

Advances in Parallel Robots and Mechanisms

Message from the Guest Editors

This Special Issue serves as a sharing platform for researchers and engineers to share and discuss the latest research results and explore the future developments of parallel robots. Papers are welcome on topics related to different aspects of structure design, modeling, simulation, optimization, control, and applications of parallel robots, including, but not limited to:

- Synthesis and innovation design of parallel/hybrid robots;
- Cable-driven, rigid-flexible, bionic, soft parallel robots;
- Redundancy/reconfiguration of parallel/hybrid mechanisms;
- Performance analysis, evaluation and optimization;
- Precision assurance of high-performance parallel/hybrid mechanisms;
- Advanced/intelligent control methods of parallel robots;
- Novel concepts, state-of-the-art approaches/technologies in relevant fields;
- Innovative applications of parallel robots and mechanisms, including human-machine interaction, medical/bionic devices, robotic machining, space capture, etc.

Guest Editors

Dr. Zhaokun Zhang

Dr. Qizhi Meng

Dr. Zhiwei Cui

Deadline for manuscript submissions

closed (31 March 2025)



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

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

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