



Optimization, Control and Design of Parallel Robots

Guest Editors:

Prof. Dr. Larisa Rybak

Prof. Dr. Giuseppe Carbone

Prof. Dr. Askhat Diveev

Prof. Dr. Nikolai N. Bolotnik

Dr. Alexey Fomin

Deadline for manuscript
submissions:
closed (15 March 2024)

Message from the Guest Editors

Dear Colleagues,

The main objective of this Special Issue is to create a platform for scientists, engineers and practitioners to share their latest theoretical and experimental results, as well as to discuss several issues regarding research directions in the field of parallel robots. In this Special Issue, we hope to publish papers that provide recent results pertaining to the development of high-performance optimization and simulation methods for many robotics problems, including: optimization of geometric and design parameters, singularity analysis, workspace, planning trajectories within the required space, and optimization of design parameters based on the analysis of dynamic models. Developers and designers of parallel robots will be presented with methods for calculating the technical characteristics of robots, taking into account the requirements of controllability, safety and compact design. Articles containing results, both theoretical and experimental, relating to specific areas of robot application are especially welcome.





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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

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.

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Machines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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