

Special Issue

Design and Control of Manipulators

Message from the Guest Editor

Robotic manipulators are transforming several industrial, medical, and human-assist sectors due to their high precision, object handling, and human support in daily or risky activities. We are pleased to invite you to submit works related to real-world applications in robotics that effectively demonstrate the integration of both data-driven and control techniques. The aim of the Special Session is to recognize future research vectors by gathering recent advancements in learning-based control, data-driven approaches, manipulator synthesis, and robot control. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Applications of automation;
- Robot manipulators;
- Data-driven methods;
- Mechanical engineering;
- Physics-informed models;
- Modelling and identification;
- Medical robotics;
- Teleoperation;
- Multi-agent systems;
- Haptics;
- Systems and control engineering;
- Game theory.

Guest Editor

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Deadline for manuscript submissions

closed (29 February 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.

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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).