



## Design and Control of Manipulators

Guest Editor:

**Dr. Adolfo Perrusquía**

School of Aerospace, Transport  
and Manufacturing, Cranfield  
University, Cranfield MK43, UK

Deadline for manuscript  
submissions:

**closed (29 February 2024)**

### Message from the Guest Editor

Dear Colleagues,

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.





an Open Access Journal by MDPI

## **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.

## **Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within *Scopus*, *SCIE (Web of Science)*, *Inspec*, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1 (Control and Optimization)

## **Contact Us**

---

*Machines* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/machines](http://mdpi.com/journal/machines)  
[machines@mdpi.com](mailto:machines@mdpi.com)  
X@Machines\_MDPI