

# Special Issue

## The Latest Advances in Climbing and Walking Robots

### Message from the Guest Editors

The present Issue will mainly gather enhanced and extended versions of papers selected out of those presented at the 26th issue of the International Conference Series on Climbing and Walking Robots and the Support Technologies for Mobile Machines (CLAWAR'2023). Authors who did not attend the conference are also welcome to submit their research to this SI. The SI will cover analysis (modelling and simulation) techniques, design approaches, and practical applications and realizations of robotic systems. A non-exhaustive list of topics follows:

- Biologically inspired systems and solutions
- Climbing robots
- Human–Robot interaction
- Hybrid locomotion
- Innovative design of CLAWAR
- Artificial intelligence and machine learning for CLAWAR
- Legged locomotion
- Planning and control
- Rehabilitation and function restoration
- Service robots

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### Guest Editors

Prof. Dr. Manuel F. Silva

Prof. Dr. Ebrahim Samer El Youssef

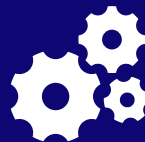
Prof. Dr. Mohammad Osman Tokhi

Prof. Dr. Leonardo Mejia Rincon

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### Deadline for manuscript submissions

closed (31 December 2023)



## Machines

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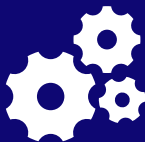


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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[machines@mdpi.com](mailto:machines@mdpi.com)

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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.

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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

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#### 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 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).