

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

Guest Editors

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Prof. Dr. Ebrahim Samer El Youssef

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Prof. Dr. Leonardo Mejia Rincon

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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 17.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).