

# Special Issue

## Climbing Robots and Autonomous Systems: Mechanisms, Intelligence, and Real-World Applications

### Message from the Guest Editors

The development of climbing robots and autonomous systems has become increasingly relevant as we seek innovative solutions for applications in inspection, maintenance, rescue operations, and the exploration of complex or hazardous environments.

This Special Issue, titled “**Climbing Robots and Autonomous Systems: Mechanisms, Intelligence, and Real-World Applications**,” welcomes original research and review articles that explore novel concepts, methodologies, and technologies within the field of climbing robotics.

In addition, we are pleased to invite you to submit an **extended version** of your conference paper presented at **IEEE ROBIO 2025** for consideration in this Special Issue. This is an excellent opportunity to further develop and disseminate your work to a broader audience. We look forward to receiving your valuable contributions.

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### Guest Editors

Dr. Weinan Chen

Dr. Haifei Zhu

Prof. Dr. Xuefeng Zhou

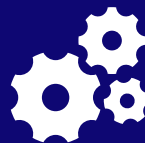
Prof. Dr. Chaoqun Wang

Prof. Dr. Qiang Li

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### Deadline for manuscript submissions

28 February 2026



# Machines

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*Machines*  
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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