

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.

Guest Editors

Dr. Weinan Chen

Dr. Haifei Zhu

Prof. Dr. Xuefeng Zhou

Prof. Dr. Chaoqun Wang

Prof. Dr. Qiang Li

Deadline for manuscript submissions

closed (28 February 2026)



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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.

Editor-in-Chief

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