

Special Issue

Control and Mechanical System Engineering

Message from the Guest Editors

Machines today need to be reliable, sustainable and durable to make them more useful and in line with Industry 5.0. In addition, machines should be made compatible with the internet to ensure fast data sharing with other devices. For this purpose, smarter and cognitive machines are being developed all over the world. To meet these requirements, more robust and precise and agile controlled machines are needed. In this issue, we aim to publish the latest advances in the following subjects:

- Control of underwater robots;
- Control of unmanned aerial vehicles;
- Special actuator design and control;
- Serial and parallel industrial robot control;
- Biomimetics and biologically inspired robots;
- Automation, control systems, simulation techniques, and control applications;
- Micro/nano robotics and manipulation;
- Multirobot systems and distributed robotics;
- Human–robot interaction control;
- Control of haptics;
- Control of rehabilitation robotics.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2024)



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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).