

Special Issue

Robust Control of Robotic and Complex Mechatronic Systems

Message from the Guest Editor

This Special Issue (SI) will provide a forum for researchers and practitioners to exchange their latest theoretical and engineering achievements and identify critical issues and challenges for near-future studies for robust control applied to robotics and complex mechatronic systems. Results of experimental research in field conditions are mostly encouraged for submission. The theoretical papers accepted into this SI are expected to contain original ideas and potential solutions for resolving real problems. The topics of this Special Issue include, but are not limited to, the following domains:

- Robust control of mobile robots (aerial, ground, and water);
- Robust control of industrial mechatronics systems;
- Uncertainty management in modeling of robotic systems;
- Novel design methodologies for robust control systems;
- Complex mechatronic systems modeling;
- Robust control systems implementation in real-time platforms;
- Performance estimation in complex mechatronic systems;
- Fault-tolerant control applied to robotics and mechatronics systems;
- Fault-detection and diagnosis applied to robotics and mechatronic systems.

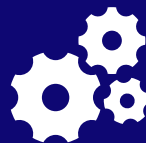
Guest Editor

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Deadline for manuscript submissions

closed (31 July 2023)



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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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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).