

# Special Issue

## Advances in Automatic Control

### Message from the Guest Editors

Automation is the application of machines to tasks that were once performed by human beings or, increasingly, to tasks that would otherwise be impossible. Although the term ‘mechanization’ is often used to refer to the simple replacement of human labour with machinery, automation generally implies the integration of machines into a self-governing system. Automation has revolutionized the areas in which it has been introduced, and scarcely any aspect of modern life remains unaffected. For this Special Issue, we invite experimental and theoretical contributions on automatic control research and seek to examine the advances in solutions and procedures that can provide enhancements in machine structures and their functionalities, even in new areas of application. The scope of the proposed Special Issue includes (but is not limited to) the following topics:

- Applications of automation.
- Systems and control engineering.
- Biomechanics.
- Human movement analysis.
- Design and implementation of custom software for automatics.

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### Guest Editors

Dr. Jan Gorecki

Dr. Mateusz Kukla

Dr. Maciej Berdychowski

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### Deadline for manuscript submissions

closed (31 January 2023)



## Machines

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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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#### Journal Rank:

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#### Rapid Publication:

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).