

Special Issue

New Trends in Robotics and Automation

Message from the Guest Editors

Robotics and automation technologies have been widely leveraged in diverse domains such as agriculture, healthcare, and transportation, and they have had significant societal impacts and benefits. This Special Issue is proposed here to provide a forum for researchers and practitioners to exchange their latest theoretical and engineering achievements. This special issue aims to compile the latest research and development advances in robotics and automation. The topics of interest within the scope of this special issue include (although not limited to) the following:

- Intelligent control in robotics;
- Intelligent connected vehicles;
- Trustworthy artificial intelligence;
- Artificial intelligence technology applied in intelligence system;
- Modeling and control of human-machine system;
- System state information acquisition and parameter identification;
- Application of linear and nonlinear analysis and control;
- Decision-making and control with multi-source information;
- Decision-making and control for multi-agent system.

Guest Editors

Prof. Dr. Jian Wu
Prof. Dr. Xiangkun He
Dr. Guangfei Xu

Deadline for manuscript submissions

closed (31 July 2024)



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Machines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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.

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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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).