

Special Issue

Advanced Control Theory with Applications in Intelligent Machines

Message from the Guest Editors

This Special Issue will feature recent developments of intelligent control theory and its implementation in the development of intelligent machines. The machine's ability to monitor its environment, make decisions, and adjust its actions based on observations marks its intelligence, which serves as the major impetus for the ongoing revolution of industries and our daily lives. Examples of intelligent machines include industrial robots equipped with sensors, self-guided unmanned vehicles relying on real-time vision in complex environments, and smart grid equipped with intelligent control and decision strategies. The target audience includes researchers in the broad areas of machine learning, unmanned systems, robotics, IoT and IIoT, control engineering, smart grid, and applied mathematics. It aims to provide a platform for sharing recent results and team experience to contribute to the advancing of intelligent machine technology. Topics that include but are not limited to:

- Intelligent systems and control theory;
- Intelligent unmmanned systems;
- Smart grid;
- Computer vision and its industrial applications;
- Machine learning and deep learning.

Guest Editors

Prof. Dr. Qing Gao
Dr. Michael V. Basin
Prof. Dr. Yu Pan

Deadline for manuscript submissions

closed (31 December 2022)



Machines

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.7



mdpi.com/si/102526

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

[mdpi.com/journal/
machines](https://mdpi.com/journal/machines)





Machines

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.7



[mdpi.com/journal/
machines](https://mdpi.com/journal/machines)



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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1 (Control and Optimization)

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).