

Special Issue

Manufacturing Processes: Cutting-Edge Developments and Outstanding Case Studies Using Robotics and Advanced Automation

Message from the Guest Editor

Competitiveness in different sectors is enormous and it is up to companies to take care of their processes in order to minimize the resources needed to manufacture their products. Automation and robotics have been crucial tools in improving industrial processes.

Therefore, this Special Issue aims to bring together excellent work in the area of improving manufacturing processes, illustrating how much they can improve economic, environmental and social sustainability. In fact, the dissemination of the most recent developments in the area of manufacturing processes using automation and robotics can provide exceptional inputs with a view to improving other industrial sectors, thus contributing to the evolution of knowledge and competitiveness of companies. Therefore, we hope to receive exceptional research papers on the development of new technologies and industrial systems, as well as case studies duly based on theory which validate and prove previously carried out developments.

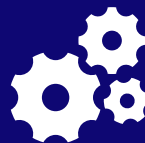
Guest Editor

Dr. Francisco J. G. Silva

Department of Mechanical Engineering, ISEP–School of Engineering,
Polytechnic of Porto, 4200-072 Porto, Portugal

Deadline for manuscript submissions

closed (31 December 2024)



Machines

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.7

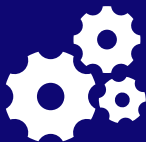


mdpi.com/si/196374

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 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).