

Special Issue

Advanced Mechatronics and Robotics Technologies in Industry 4.0 Era: Intelligence and Automation

Message from the Guest Editors

Robotics has emerged as a paramount area within the field of mechatronics. The latest advances in the design of systems supported by mechanical, electrical and computer engineering have made feasible the enhancement of many manufacturing processes prominent in the new Industry Era 4.0. This **Special Issue** aims to promote open-ended applications of mechatronic and robotics systems as novel solutions to challenges in the Industry 4.0, including learning and teaching scopes within the educational framework. We welcome original research articles and reviews in research areas including (but not limited to) the following:

- Industrial robots;
- Industrial automation;
- Industrial sensors;
- Modular robots;
- Intelligent systems;
- Robot manufacturers;
- Robot kinematics;
- Manipulators;
- Field robotics;
- Robot control;
- Localization and mapping;
- Computer vision;
- Robotics in education.

https://www.mdpi.com/journal/electronics/special_issues/Mechatronics_Robotics

Guest Editors

Dr. David Valiente

Communications Engineering Department and Institute for Engineering Research (I3E) at Miguel Hernandez University, 03202 Alicante, Spain

Prof. Dr. Nuno Miguel Fonseca Ferreira

Department of Electrical Engineering, Polytechnic of Coimbra, P-3004 516 Coimbra, Portugal

Deadline for manuscript submissions

closed (15 January 2024)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/123643

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

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





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



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



About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus /
SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 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).