

Special Issue

Advanced Technologies in Robotics and Smart Manufacturing

Message from the Guest Editor

This Special Issue will focus on recent technological advances in robotics, autonomous systems, and smart manufacturing. It will focus on various topics in robotics, including but not limited to digital twins, swarm robotics, robot teaming, robots in manufacturing, industrial automation, human robot teaming, wearable robots, medical robotics, machine learning, smart and digital manufacturing, drones, etc. Original articles related to drones, human–robot interactions, Generative AI and its applications in robotics and manufacturing, smart and distributed manufacturing, recent trends in automation, applications of digital twins, Digital Shadows for robotics and manufacturing, human digital twin and its interface with robotic digital twin, Cognitive Digital Twin, and ultra-lean decentralized manufacturing are welcome.

Guest Editor

Dr. Sangram Redkar

School of Manufacturing Systems and Networks, Ira Fulton School of Engineering, Arizona State University, Mesa, AZ 85212, USA

Deadline for manuscript submissions

closed (1 March 2025)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/202735

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).