

Special Issue

Physical Human-Robot Interaction and Robot Manipulation

Message from the Guest Editors

While robotics scientists are moving toward the creation of humanoid robots thought to be able to work alongside humans in human-centric and unstructured environments, industries are faced with even more complex tasks that require important technological advances and, in particular, human-like features in the new generation of robotic systems. This Special Issue collects the experience of academic and industrial scientists in order to discuss and present state-of-the-art technologies used to confront the most relevant problems in human-robot interaction application and autonomous object grasping and manipulation. Potential submission topics include but are not limited to the following:

- Tactile/Force Sensor Technology;
- Vision Sensory Systems;
- Object Recognition;
- Object Grasping and Manipulation;
- Human-Robot Cooperative Systems;
- Human-Robot Interaction Control Algorithm;
- Trajectory Planner Algorithm for Grasping and Unintended Collision Avoidance.

Guest Editors

Dr. Andrea Cirillo

Dipartimento di Ingegneria, Università Degli Studi Della Campania "Luigi Vanvitelli", Via Roma 29, 81031 Aversa, CE, Italy

Dr. Salvatore Pirozzi

Dipartimento di Ingegneria, Università degli Studi della Campania "Luigi Vanvitelli", Via Roma, 29, 81031 Aversa, CE, Italy

Deadline for manuscript submissions

closed (31 August 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.3



mdpi.com/si/97891

Electronics

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 5.3



[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), CAPus /
SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Control and
Systems Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 16.4 days after
submission; acceptance to publication is undertaken in 2.4
days (median values for papers published in this journal in
the second half of 2024).