Special Issue

Perception and Control in Mobile Robots

Message from the Guest Editor

In recent years, with the development of artificial intelligence, mobile robots have been able to replace humans to complete more complex tasks in challenging fields, by adopting advanced perception and control technologies. In these tasks, the efficiency, safety, and intelligence of mobile robots have advanced significantly. Therefore, it is vital that mobile robots with higher performance are developed by improving their perception and control technologies in order to meet various application needs. This Special Issue "Perception and Control of Mobile Robots", is devoted to providing a high-quality platform for sharing new findings in this area. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: - Aerial robots; - Driverless vehicles; - Mobile manipulators; - Teleoperation of mobile robots; - Human–robot interaction; - Robot control system; - Environment perception; - Path and motion planning; We look forward to receiving your contributions.

Guest Editor

Dr. Weihua Li

State Key Laboratory of Robotics and System, Harbin Institute of Technology, Harbin 150001, China

Deadline for manuscript submissions

closed (16 July 2024)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/190444

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

mdpi.com/journal/electronics

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

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 guestedited 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).

MDPI