



Path Planning for Mobile Robots

Guest Editors:

Dr. Ionica Oncioiu

Department of Informatics,
Faculty of Informatics, Titu
Maiorescu University, 040051
Bucharest, Romania

Prof. Dr. Stelian Brad

Department of Design
Engineering and Robotics,
Technical University of Cluj-
Napoca, 400114 Cluj-Napoca,
Romania

Prof. Dr. Fuji Ren

Faculty of Engineering,
Tokushima University,
Tokushima 770-8501, Japan

Deadline for manuscript
submissions:

closed (28 February 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue invites researchers to contribute both with original research articles and reviews highlighting issues related to mobile robot path planning and the challenges of mobile robot path planning applications. At the same time, it can provide solutions to improve planning methods, so that mobile robots can move in structured and unstructured environments.

Keywords

- path planning
- mobile robotics
- autonomous mobile robots
- multi-modal sensorial systems for robot navigation
- robot motion models
- localization and mapping
- robots and control systems
- IoT networks
- intelligent transportation
- sensor/data fusion
- network security





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://x.com/electronicsMDPI)