

Special Issue

Modeling and Control of Mobile Robots

Message from the Guest Editors

We are looking for current and high-quality submissions presenting research and applications covering topics including, but not limited to, the following:

- Adaptive, robust, or predictive control of mobile robots under uncertain conditions;
- Machine learning and AI in navigation of mobile robots;
- Modeling and control of UGVs taking into account slippage phenomenon;
- Modeling and control of mobile robots in complex terrains;
- Dynamic modeling for high-speed mobile robots;
- Impedance control in human-robot interaction;
- Cooperative motion planning and control of multi-robot systems;
- Modeling and motion control of inspection robots;
- Control of aerial and ground mobile robots in coordinated operations.

Guest Editors

Dr. Maciej Trojnecki

Dr. Marcin Szuster

Dr. Piotr Małka

Deadline for manuscript submissions

closed (15 June 2025)



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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

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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).