

Special Issue

Recent Advances in Motion Planning and Control of Autonomous Vehicles

Message from the Guest Editors

There has been rapid progress made in the applications of autonomous vehicles on a structured urban road or in an unstructured indoor scenario. The purpose of this Special Issue is to present the most recent advances in the planning or control methodologies used for an autonomous vehicle. Topics of interest include but are not limited to:

- Path/trajectory/motion planning and replanning;
- Path/trajectory/motion control;
- On-road/off-road planning and control;
- Modeling and simulation method for planning and/or control;
- Testing and validation method related to planning and/or control;
- Safety-related issues with planning and control;
- Security-related issues with planning and control;
- Human-machine interaction related to planning and/or control;
- Intelligent techniques/methods to planning and/or control;
- Integration of planning and control;
- Reviews of planning or control methodologies;
- Data-driven/model-based planning or control;
- Comparisons among different types of planning or control methods;
- Fault-tolerant planning and control;
- Cooperative planning and control;
- Real-world applications of planning and control.

Guest Editors

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Deadline for manuscript submissions

closed (6 November 2023)



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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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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).