

Special Issue

Connected and Automated Vehicles (CAVs): Technologies and Applications

Message from the Guest Editors

The main aim of this Special Issue is to seek high-quality submissions that highlight recent breakthroughs in CAV technologies and applications, including autonomous vehicle engineering, cooperative, connected technologies, etc. Potential topics include but are not limited to the following categories:

- Autonomous vehicle engineering
- Motion planning and control
- Multisensor information fusion
- Navigation system
- Applications of machine learning
- Development, test, and validation of automated vehicles
- Cooperative connected technologies
- CCAM technologies and applications
- Cooperative control systems
- Edge computing in mobility
- Platoons of connected and automated vehicles
- Networked optimal control
- Cooperative resource allocation and scheduling

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Deadline for manuscript submissions

closed (20 February 2022)



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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

Editor-in-Chief

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2024).