

## Special Issue

# Advances in Vehicle Dynamics Control and Motion Planning for Autonomous/Semi- autonomous Vehicles

### Message from the Guest Editors

This Special Issue aims to propose a collection of studies with topics of interest including, but not limited to, the study and analysis of:

- Advanced vehicle control for autonomous/semi-autonomous vehicles (AV-SAV);
- Control-oriented vehicle modeling;
- Sensor fusion;
- Motion planning/path following;
- State estimation;
- Electric and solar vehicles;
- Machine learning algorithms and applications;
- Advanced approaches in dealing with dynamics in AVs/SAVs;
- Hybrid powertrain control;
- Vibration control of vehicles.

### Guest Editors

Dr. Basilio Lenzo

Dr. Chuan Hu

Prof. Dr. Hui Pang

Dr. Paul Walker

### Deadline for manuscript submissions

closed (30 September 2021)



## Machines

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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.

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### Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso  
CISE - Electromechatronic Systems Research Centre, University of  
Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

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#### Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1  
(Control and Optimization)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 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).