

## Special Issue

# Modeling, Estimation, Control, and Decision for Intelligent Vehicles

### Message from the Guest Editors

This Special Issue aims to provide up-to-date research concepts, theoretical findings, and practical solutions for modeling, estimation, control, and decisions for intelligent vehicles, which could enhance the automation and intelligence levels of vehicles. Topics of interest include but are not limited to the following:

- Personalized Decision and Control for Autonomous Driving
- End-To-End (E2E) Autonomous Driving
- Software-Defined Vehicle for Intelligent Vehicles
- Vehicle-To-Everything (V2X) and Cellular V2X (C-V2X) Communications
- Cooperative Vehicles
- Dynamics Modeling, Simulation Analyses, and Control System Design
- Advanced Driver Assistance Systems
- Application of AI and Machine Learning for Driver-Vehicle System
- Human Factors for Intelligent Vehicles
- X-by-Wire Control and Optimization Design of Intelligent Vehicles

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### Guest Editors

Dr. Zejiang Wang

Dr. Jinhao Liang

Dr. Xingyu Zhou

Dr. Zhenwu Fang

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### Deadline for manuscript submissions

closed (31 October 2025)



## 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  
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Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

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### Author Benefits

#### High Visibility:

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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).