

## Special Issue

# Artificial Intelligence-Enabled Vehicle Systems: Modeling, Control Optimization and Fault Diagnosis

### Message from the Guest Editors

Advances in artificial intelligence (AI) have opened new frontiers in the design, optimization, and monitoring of intelligent vehicle systems. This Special Issue invites original research articles, review papers, and case studies focusing on cutting-edge applications of AI in vehicle system modeling, control optimization, and fault diagnosis. We encourage contributions addressing theoretical advancements, algorithm development, innovative simulation approaches, and practical implementations across various vehicle domains, including autonomous ground vehicles, unmanned aerial vehicles, maglev trains, rail transit, marine vehicles, and related intelligent transportation platforms. We look forward to receiving your valuable contributions to help drive progress in this exciting interdisciplinary research field.

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### Guest Editors

Dr. Yougang Sun

Dr. Hongliang Pan

Dr. Haiyan Qiang

Prof. Dr. Daofang Chang

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### Deadline for manuscript submissions

30 September 2026



## 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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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

#### 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 17.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).