

Special Issue

Human-Centered Design and Development of Advanced Driver Assistance Systems

Message from the Guest Editors

Normally, sensors and cameras are used in ADASs to detect obstacles or human errors. Recently, the development of emerging technologies (including vehicular communications) makes it easier for vehicles to collect surrounding traffic information, and can offer new possibilities to improve the performance of ADASs. Therefore, it is essential to provide an insight into the trends and challenges of ADASs. This Special Issue aims to cover all the topics related to ADASs, and welcomes both research and review papers. This Special Issue will focus on (but is not be limited to) the following topics:

- The development and validation of ADASs
- Driver's trust in ADASs
- Human-machine interfaces and interactions
- Driver monitoring systems
- Sensor and camera technologies
- Vehicular communications
- Emerging technologies that can be applied in ADASs

Guest Editors

Dr. Bo Yang

Dr. Zheng Wang

Dr. Shuo Cheng

Deadline for manuscript submissions

closed (31 May 2024)



Machines

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.7



mdpi.com/si/165182

Machines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
machines@mdpi.com

[mdpi.com/journal/
machines](https://mdpi.com/journal/machines)





Machines

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.7



[mdpi.com/journal/
machines](https://mdpi.com/journal/machines)



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

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

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 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).