



Intelligent Control and Active Safety Techniques for Road Vehicles

Guest Editors:

Prof. Dr. Yuping He

Department of Automotive and
Mechatronics Engineering,
University of Ontario Institute of
Technology, Oshawa, ON L1H
7K4, Canada

Dr. Qinghui Zhou

School of Mechanical-Electronic
and vehicle Engineering, Beijing
University of Civil Engineering
and Architecture, Beijing, China

Deadline for manuscript
submissions:

31 October 2024

Message from the Guest Editors

We propose a Special Issue entitled "Intelligent Control and Active Safety Techniques for Road Vehicles" to showcase the latest original achievements, foster the exchange of cutting-edge perspectives, and promote interdisciplinary research in this field. This Special Issue aims to explore the potential of using emerging and advanced techniques in intelligent control and active safety to address the complex dynamics and design challenges faced by vehicle systems designers and developers.

The topics to be covered in this Special Issue include, but are not limited to, the following:

- Autonomous and intelligent vehicles;
- Semi-autonomous driving control;
- Vehicle networking;
- Driver–vehicle–road coordinated control;
- Vehicle dynamics and control;
- Active vehicle safety;
- Control and calibration of engines and powertrains;
- Automotive electrification and electronic control;
- Active safety designs for electric vehicles, hybrid electric vehicles, fuel cell vehicles.





an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q2 (*Engineering, Mechanical*)

Contact Us

Machines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/machines
machines@mdpi.com
[X@Machines_MDPI](https://twitter.com/Machines_MDPI)