

Special Issue

Sensing, Optimization, and Navigation on Vehicle Control

Message from the Guest Editors

Vehicle controls systems are control commands directed to vehicle actuators that control steering, throttle, and braking, as well as other related commands to support a safe transition between manual and automatic vehicle control. Additionally, the various parts of sensing, positioning, or motion control and energy optimization are crucial for its operation. Therefore, how sensors/sensing technology, navigation and positioning technology, and energy management optimization can be better applied to vehicle local control is a great challenge. The aim of this Special Issue is to offer the engineering and scientific community a compendium of the most innovative works related to the different new technologies to achieve this goal: guidance and control, sensing technology, sensor systems, navigation and positioning, digital modelling and simulation, collision avoidance, safety, energy management optimization, new generation clean propulsion control and optimisation, intelligent transportation, etc.

Guest Editors

Dr. Yuanjian Zhang

Dr. Jingjing Jiang

Dr. Ricardo De Castro

Dr. Quan Zhou

Dr. Ji Li

Deadline for manuscript submissions

closed (30 June 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/124752

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

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





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)