

## Special Issue

# Intelligent Sensors for Smart and Autonomous Vehicles

### Message from the Guest Editors

Autonomous vehicles (AV) must be intelligent. These, in addition to the functional algorithm programmed in the autonomous driving system, must decide for themselves at any time the next actions of the vehicle, including in safety-critical situations. We invite authors interested in the proposed topics to contribute to this Special Issue by publishing their results of research related, but not limited, to the following topics: intelligent sensorial systems for autonomous driving; paradigms, concepts, and architectures for intelligent sensorial systems; real models vs. virtual models for intelligent sensorial systems; sensor integration and fusion for autonomous driving; intelligent proprioceptive and exteroceptive sensors; object classification by intelligent sensors; artificial intelligence algorithms; fog and edge computing for autonomous driving; cybersecurity for intelligent sensorial systems; applications based on intelligent sensorial systems; the role of intelligent sensors in V2X communication.

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### Guest Editors

Prof. Dr. István Barabás

Dr. Calin Iclodean

Dr. Máté Zöldy

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### Deadline for manuscript submissions

closed (30 July 2025)



## Sensors

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### 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.

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### Editor-in-Chief

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