

## Special Issue

# Control Systems, Vision Technology and Sensor Fusion for Unmanned Robotic Vehicles

### Message from the Guest Editors

We are inviting you to submit to the Special Issue “Control systems, Vision Technology and Sensor Fusion for Unmanned Robotic Vehicles” in *Sensors*. Unmanned robotic vehicles (marine, aerial, ground) have recently been established as a popular solution for a variety of autonomous or semi-autonomous tasks. As sensor technology and actuators rapidly advance, unmanned robots have concurrently evolved with improved endurance. In critical missions such as search and rescue, load transportation, precision agriculture, field surveillance and monitoring, the deployment of single or multi-agent unmanned systems provides safe, robust, fast and efficient solutions. This Special Issue aims to highlight innovative research on computer vision, visual servo control, sensor fusion, control systems and their application in unmanned robotic vehicles. We welcome contributions from all fields related to unmanned vehicles and robotics, including, but not limited to, the following:

- Unmanned robotic vehicles (marine, aerial, ground);
- Multi-agent systems;
- Motion planning and control;
- Computer vision;
- Visual servo control;
- Sensor fusion;
- Sensing technology.

### Guest Editors

Dr. George C. Karras

Assistant Professor, Department of Informatics & Telecommunications, University of Thessaly, 35100 Lamia, Greece

Dr. Charalampos P. Bechlioulis

Division of Systems and Automatic Control, Department of Electrical and Computer Engineering, University of Patras, Greece

### Deadline for manuscript submissions

closed (25 April 2025)



## Sensors

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/130291](https://mdpi.com/si/130291)

*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto: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)