



*sensors*



an Open Access Journal by MDPI

## Single Sensor and Multi-Sensor Object Identification and Detection with Deep Learning

Guest Editors:

**Prof. Dr. Henry Leung**

**Dr. Kevin I-Kai Wang**

**Dr. Wasim Ahmad**

**Dr. Peng Wang**

**Dr. Hao Zhu**

Deadline for manuscript  
submissions:  
**closed (31 October 2023)**

### Message from the Guest Editors

Deep learning has become popular in object detection and recognition. While many works have been dedicated to computer vision based on camera, there have been improvements in developing deep learning-based detection and identification for other sensors such as radar, infrared (IR), lidar, hyperspectral and RGB-D sensing. Besides single sensor or multi-sensor object detection, multi-sensor identification and multi-modal deep learning are of great interest to enhance the detection and recognition performance. This Special Issue calls for original and novel object detection and recognition methods based on deep learning for single sensor and multiple sensors.



[mdpi.com/si/132299](https://mdpi.com/si/132299)

# Special Issue



*sensors*



an Open Access Journal by MDPI

## 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

## 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.

## 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 & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

## Contact Us

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

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)