



*sensors*



an Open Access Journal by MDPI

## Computer Vision in AI for Robotics Development

Guest Editors:

**Dr. Chen-Chiung Hsieh**

Department of Computer Science  
and Engineering, Tatung  
University, Taipei 104, Taiwan

**Dr. Hsiao-Ting Tseng**

Department of Computer Science  
and Information Engineering,  
National Central University,  
Chung-li, Taiwan

Deadline for manuscript  
submissions:

**30 September 2024**

### Message from the Guest Editors

Dear Colleagues,

The integration of computer vision and machine learning techniques in robotics has enabled significant advancements in various applications (such as perception, navigation, and control). These techniques allow robots to process and understand visual information from their environment, leading to improved decision making and performance.

We are inviting researchers, practitioners, and academics to submit their original and high-quality papers on the latest developments in the application of computer vision and machine learning in robotics. This Special Issue aims to foster discussions and collaboration within the community, and promote the advancements in this exciting field.

For detailed information, please visit [here](#).

Dr. ChenChiung Hsieh

Dr. Hsiaoting Tseng

*Guest Editors*



[mdpi.com/si/162844](https://mdpi.com/si/162844)

**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](#)