

## Special Issue

# Multimodal Data Analysis in Computer Vision

### Message from the Guest Editors

In less than a decade, breakthroughs in machine learning and artificial intelligence have profoundly impacted our scientific community. Computer vision is one of the research fields that has benefited the most from these advances. Combining multimodal sources with visual data has the potential of improving artificial visual systems by harnessing information that is complementary but related to the observed scene. However, there are several aspects related to multimodal learning that have not been sufficiently explored yet: How do learned visual representations and semantics improve when coupled to another mode? How can multimodal learning improve visual understanding in specific and diverse scenarios? How can multimodal learning improve the interpretability of visual models? The topics of interest of this Special Issue include but are not limited to:

- Machine learning methods for multimodal data;
- Multimodal data fusion and representation;
- Multimodal approaches for vision and/or text and/or audio;
- Multimodal approaches for autonomous driving;
- Multimodal approaches for machine learning in medicine;
- Multimodal computer vision for interactive systems.

### Guest Editors

Dr. Daniela Giordano

Department of Electrical Electronics and Computer Engineering,  
University of Catania, Catania, Italy

Dr. Simone Palazzo

Department of Electrical Electronics and Computer Engineering,  
University of Catania, Catania, Italy

### Deadline for manuscript submissions

closed (20 June 2023)



## Sensors

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/65888](https://mdpi.com/si/65888)

*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)