



## Recent Advances in Visual Sensor Networks for Robotics and Automation

Guest Editors:

**Prof. Dr. Angelo Cenedese**

Department of Information Engineering, University of Padova, Via Gradenigo 6B, 35131 Padova, Italy

[cenedese@dei.unipd.it](mailto:cenedese@dei.unipd.it)

**Dr. Giulia Michieletto**

Department of Management and Engineering, University of Padova, Stradella San Nicola 3, 36100 Vicenza, Italy

[giulia.michieletto@unipd.it](mailto:giulia.michieletto@unipd.it)

Deadline for manuscript submissions:

**20 March 2022**

### Message from the Guest Editors

Dear Colleagues,

The development of low-cost high-resolution imaging sensors, the wide spread of IoT technologies, and the renewed methodological interest in networked systems are leveraging the transformation of traditional vision systems into ubiquitous and pervasive multiagent visual sensor networks, whose sensing capabilities act synergistically with the actuation capabilities.

In particular, by acquiring information-rich data within a sense-to-act, act-to-sense paradigm, these multiagent architectures play a crucial role in the robotics and automation fields...

This Special Issue on Sensors and Robotics aims at putting together novel contributions on multiagent visual sensor networks where emphasis is placed on the dynamic characteristic of the information and of the systems, which may be induced by the nature of the observed scene, by that of the observing agents, or by both. Along this trendline, possible topics of interest include but are not limited to:

- Cooperative robotics;
- Active and mobile sensing;
- Vision-based learning for control;
- Context aware automation;
- Multicamera networks.





*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](#), [Embase](#), [Ei Compendex](#), [Inspec](#), and many other databases.

**Journal Rank**: [JCR - Q1](#) (*Instruments & Instrumentation*) / [CiteScore](#) - Q1 (*Instrumentation*)

## Contact Us

---

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

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[@Sensors\\_MDPI](https://twitter.com/Sensors_MDPI)