

## Special Issue

# Mobile Robotics/Sensors and Environmental Monitoring Applications for eHealth

### Message from the Guest Editor

The use of intelligent robots and sensors in healthcare is growing exponentially in recent years. Mobile robots are used in hospitals for delivery and handling, for disinfection using ultraviolet light, for mobilizing patients or as assistants to doctors using telepresence. More generally, they can be used for access control with temperature and identity sensors (for disease detection), for food and medicine delivery using drones and UAVs, or as companions (pets) for disabled people. Not to mention their use in prostheses, exoskeletons for rehabilitation, detection of gait pathologies or eye movements. This special issue will bring together advances in health applications based on mobile robots, robotic arms, smart sensors and IoT devices that improve the way of life of people or medical staff. Submissions are welcome but not limited to the following topics related to eHealth:

- Mobile robots for telepresence or delivery
- Cobots for medical handling
- Biomechanical analysis of human gait
- Fall detection and prevention
- Smart rooms for disabled people
- Exoskeletons for rehabilitation
- Eye movement detection
- Sensor fusion
- HMI
- Machine learning

### Guest Editor

Prof. Dr. Alberto Brunete

Center for Automation and Robotics (CAR UPM-CSIC), Escuela Técnica Superior de Ingeniería y Diseño Industrial (ETSI DI), Universidad Politécnica de Madrid, 28012 Madrid, Spain

### Deadline for manuscript submissions

closed (25 December 2023)



## Sensors

an Open Access Journal  
by MDPI

Impact Factor 3.4  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/172098](https://mdpi.com/si/172098)

*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 3.4  
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 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)