

## Special Issue

# Recent Advances in Active Assisted Living: Challenges in Architectures, Applications and Technologies

### Message from the Guest Editors

This Special Issue aims to share recent advances and major trends towards the innovation of AAL systems. We invite researchers who are working on AAL to submit original and unpublished manuscripts addressing topics including (but not limited to) the following:

- Assistive technologies;
- Active and assisted living;
- Ambient assisted living;
- Health and safety;
- Future architectures and frameworks for AAL;
- Crowdsensing;
- Smart mobility;
- Digitalization of health systems and social services;
- E-government, e-governance and e-democracy;
- Smart homes environments and infrastructures;
- Device-free human activity systems;
- Internet of Things (IoT) for AAL;
- Blockchain applied to AAL;
- Cloud and edge computing for AAL;
- Digital twins applied to AAL;
- Smart environments in the context of AAL;
- Big data analytics for AAL;
- Machine learning and artificial intelligence for AAL;
- Architectures and future designs of AAL models;
- Services and applications for AAL;
- Devices, sensors and communication networks for AAL;
- AAL sensors and actuators.

### Guest Editors

Prof. Dr. António Manuel De Jesus Pereira

Computer Science Department, School of Technology and Management, Computer Science and Communications Research Centre, Polytechnic of Leiria, Campus 2, Morro do Lena-Alto do Vieira, Apartado 4163, 2411-901 Leiria, Portugal

Dr. Luís Frazão

Computer Science Department, School of Technology and Management, Computer Science and Communications Research Centre, Polytechnic of Leiria, Campus 2, Morro do Lena-Alto do Vieira, Apartado 4163, 2411-901 Leiria, Portugal



## Sensors

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/146320](https://mdpi.com/si/146320)

*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)