



*sensors*



an Open Access Journal by MDPI

## Sensors, Internet of Things and Artificial Intelligence for Human-Computer Interaction in Intelligent Environments

Guest Editors:

**Prof. Dr. Constantine Stephanidis**

**Dr. Asterios Leonidis**

**Dr. Stavroula Ntoa**

**Dr. George Margetis**

Deadline for manuscript submissions:

**31 December 2024**

### Message from the Guest Editors

Dear Colleagues,

Intelligent Environments anticipate users' needs by blending technology with the environment and adapting their functionality based on user interaction. This Special Issue explores the confluence between sensors, the Internet of Things (IoT), and Artificial Intelligence (AI), as well as their collective potential to revolutionize Human-Computer Interaction within Intelligent Environments. Understanding the mutual influence of these technologies can lead to the development of innovative applications that improve quality of life, enhancing productivity, promoting sustainability, etc.

For this Special Issue, we seek original and high-quality research contributions on intuitive, seamless interactions in Intelligent Environments, empowered by smart sensors, the IoT, or AI. The submitted articles should focus on the harmonious relationship between technology and humans, enabling the enhancement of daily activities by harnessing the above-mentioned technologies under the perspective of human-centered design.

Prof. Dr. Constantine Stephanidis

Dr. Asterios Leonidis

Dr. Stavroula Ntoa

Dr. George Margetis

*Guest Editors*



[mdpi.com/si/197330](https://mdpi.com/si/197330)

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

## Contact Us

---

*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
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](#)