

## Special Issue

# Heterogeneous Sensor Communications and Networking for Future Applications

### Message from the Guest Editors

The Internet of Things (IoT) is broadly regarded as the key to digitalized society today. Heterogeneous sensors with different abilities, such as different computing power, sensing features, elaboration capabilities, and sensing range, will be widely deployed in every corner of society, i.e., space, air, and ground, making heterogeneous integration a prominent feature of intelligent IoT. To overcome the high heterogeneity issues, new models should be developed to accommodate the large-scale geological deployment of sensor nodes and the universal network access of ubiquitous sensors. Considering the potential mobility, cooperation with mobile communication networks is a promising direction. To achieve these goals, novel architectures, protocols, and algorithms must be designed to intelligently adapt to the service requirement of smart applications. When the gathered information from multiple sensors is transmitted to a remote fusion center, caching and computing resources should be allocated to swiftly serve the data processing demand.

---

### Guest Editors

Dr. Bo Rong

Prof. Dr. Jalel Ben-Othman

Prof. Shuai Han

Dr. Peng Yu

---

### Deadline for manuscript submissions

closed (30 November 2021)



## Sensors

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.5**  
**CiteScore 8.2**  
**Indexed in PubMed**



[mdpi.com/si/69448](https://mdpi.com/si/69448)

*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)