

## Special Issue

# Sensor and IoT Technologies for Next-Generation/6G Communication Systems

### Message from the Guest Editors

To achieve the ambitious goals of Next-Generation/6G communication systems, significant advancements must be made in sensor and IoT technologies. These goals include ultra-reliability, low latency, and massive connectivity, and will directly enable intelligent network management, optimization, and control. Key research directions in this field include leveraging sensor and IoT technologies to enhance energy efficiency (green communication) and support the diverse range of critical 6G applications. This Special Issue seeks contributions on novel sensors, IoT architectures, and intelligent approaches to managing, controlling, and optimizing 6G environments.

### Guest Editors

Dr. Peng Yu

School of Computer Science, Beijing University of Posts and Telecommunications, Beijing 100876, China

Dr. Lisu Yu

School of Information Engineering, Nanchang University, Nanchang 330031, China

### Deadline for manuscript submissions

21 February 2026



## Sensors

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/239073](https://mdpi.com/si/239073)

*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)