

## Special Issue

# AI-Driven 6th-Generation (6G) Wireless Systems

### Message from the Guest Editor

Sixth-generation (6G) wireless systems will have increasingly stringent and diversified requirements for performance, security, interoperability, ease of integration, and flexibility, while facilitating the emergence of many new applications, services, and use-cases not supported by current systems. Sixth-generation technology will also widely adopt dynamic energy harvesting and spectrum sharing, which further complicates power control and energy/spectrum management. To tackle the challenging requirements and resulting complexities, time-efficient and optimal solutions based on data-empowered artificial intelligence (AI) can play an immense role in the 6G paradigm. The topics of interest in this Special Issue include but are not limited to the following:

- AI-driven zero-touch networks for 6G;
- AI-assisted intelligent reflecting surfaces for 6G;
- AI-enabled softwarization and virtualization for 6G;
- AI-native air interfaces for 6G;
- AI-enhanced green communications for 6G;
- AI-based intelligent threat discovery and mitigation for 6G;
- AI-aided integration of heterogeneous systems for 6G.

---

### Guest Editor

Dr. Boon-Chong Seet

Department of Electrical and Electronic Engineering, Auckland University of Technology, Private Bag 92006, Auckland 1142, New Zealand

---

### Deadline for manuscript submissions

closed (20 September 2022)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/114543](https://mdpi.com/si/114543)

*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

Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 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)