



*sensors*



an Open Access Journal by MDPI

## Wireless Communication Systems: Prospects and Challenges

Guest Editor:

**Prof. Dr. Diogo Gomes**

Instituto de Telecomunicações,  
Universidade de Aveiro, 3810-193  
Aveiro, Portugal

Deadline for manuscript  
submissions:

**closed (20 January 2024)**

### Message from the Guest Editor

Dear Colleagues,

Wireless communication systems play a vital role in the digitalization of our economy, from Industrial IoT to Smart Homes, also covering smart cities and smart transportation; additionally, they are responsible for gathering data and information from the real world into smart systems living in the Cloud. This Special Issue aims to cover advances in existing wireless communications technologies used by sensors such as Bluetooth, Zigbee, and LoRa, but also NB-IoT and heterogeneous systems.

In this Special Issue, we wish to identify advances and new opportunities that make use of wireless communication systems to overcome existing challenges in the digitalization of systems and processes, with services and applications deployed on wireless communication systems also being the focus of the issue.

Prof. Dr. Diogo Gomes

*Guest Editor*



[mdpi.com/si/124167](https://mdpi.com/si/124167)

# 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, St. Alban-Anlage 66  
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](#)