



*sensors*



an Open Access Journal by MDPI

## Physical-Layer Security for Wireless Communications

Guest Editors:

**Dr. Roland Gautier**

**Prof. Dr. Gilles Burel**

**Dr. Anthony Fiche**

**Dr. Telex Magloire N.  
Ngatched**

Deadline for manuscript  
submissions:

**closed (20 November 2022)**

### Message from the Guest Editors

This Special Issue aims to provide a view of recent research on physical-layer security and integrity techniques for communications. The security and integrity of transmissions are a major concern for future technologies. To date, information security has generally been assigned to the cryptographic layer, thus involving a high computational cost, and consequently a relatively high power consumption. Furthermore, the emergence of new wireless technologies such as Internet of Things (IoT), 5G tactile Internet, massive MIMO, cognitive radio, smart satellite systems, etc. makes current encryption-based methods unsuitable. Physical-layer security is an alternative solution to these problems. The basic idea of this security is to exploit the characteristics of the transmission channel and its impairments to design efficient secure transmission strategies, such that the information from the source to the intended receiver are kept confidential.

Active researchers in physical-layer security and integrity for wireless communications are highly encouraged to submit their recent original works and results to this Special Issue.



[mdpi.com/si/92244](https://mdpi.com/si/92244)

**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](#)