

## Special Issue

# Secure and Decentralised IoT Systems

### Message from the Guest Editor

The Internet-of-Things (IoT) is one of the modern technological revolutions that enables communication amongst a plethora of different devices. The IoT is essential in implementing various visions such as smart cities, smart buildings, and industry 4.0. Although IoT applications are now spreading throughout everyday life, they are still organised vertically in an isolated manner. The distributed interconnection of IoT devices is still a challenge since devices have different communication protocols, heterogeneous hardware, and different security capabilities and belong to different domains. This Special Issue aims to collect papers on conceptual and practical approaches for building secure and decentralised IoT applications. Topics include but are not limited to the following:

- Latest tools and methodologies that underpin the design and implementation of IoT applications.
- Use of blockchain for designing and building decentralised and secure IoT applications.
- Industrial case studies.
- State of the art and future perspectives about the design, validation, and implementation of decentralised and secure IoT applications.

---

### Guest Editor

Dr. Diletta Romana Cacciagrano  
Computer Science Section, University of Camerino, 62032 Camerino, Italy

---

### Deadline for manuscript submissions

closed (20 October 2025)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.0  
CiteScore 9.4  
Indexed in PubMed



[mdpi.com/si/199924](https://mdpi.com/si/199924)

*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 4.0  
CiteScore 9.4  
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)