



*sensors*



an Open Access Journal by MDPI

## Body-Centric Sensors for the Internet of Things

Guest Editors:

### **Prof. Dr. Patrick Van Torre**

Internet Technology and Data Science Lab, Department of Information Technology, Faculty of Engineering and Architecture, Ghent University and Imec, 9052 Gent, Belgium

### **Prof. Dr. Slawomir J. Ambroziak**

Department of Radio Communication Systems and Networks, Faculty of Electronics, Telecommunications and Informatics, Gdańsk University of Technology, Gdańsk, Poland

### **Prof. Dr. Akram Alomainy**

School of Electronic Engineering and Computer Science, Faculty of Science and Engineering, Queen Mary University of London, Mile End Road, London E1 4NS, UK

### **Message from the Guest Editors**

With the advent of the IoT, body-centric sensors can now interface directly to the internet. Multiple sensors can be deployed on a same person, mitigating shadowing of the radio waves by the human body. Sensor fusion techniques can be employed to obtain richer or more reliable measurements, or cooperative communication can be used in order to increase the reliability or throughput of the communication. The new Bluetooth 5.1 standard now allows Angle of Arrival (AoA) as well as Angle of Departure (AoD) capabilities and is one example of emerging technologies that will shape the future of wireless sensing. In these systems, the sensor and its wireless connectivity can often be seen as a whole and its limits depend only on the imagination of the developers.

- body-centric
- wearables
- Internet of Things (IoT)
- wireless sensor networks (WSN)
- radio propagation
- angle of arrival (AoA)
- 5G

Deadline for manuscript submissions:

**closed (31 December 2021)**



[mdpi.com/si/48293](https://mdpi.com/si/48293)

**Special** Issue



*sensors*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Vittorio M. N. Passaro**

Department of Electrical and  
Information Engineering,  
Politecnico di Bari, Via Orabona  
4, 70126 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 (Instruments and Instrumentation) / 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](#)