



*sensors*



an Open Access Journal by MDPI

## Passive Electromagnetic Sensors for Autonomous Wireless Networks

Guest Editors:

**Prof. Dr. Hervé Aubert**

Laboratoire d'Analyse et d'Architecture des Systèmes (LAAS), Centre National de la Recherche Scientifique (CNRS), 7 avenue du Colonel Roche, 31031 Toulouse, France

**Dr. Patrick Pons**

Research Director from National Center for Scientific Research (CNRS), Laboratory for Analysis and Architecture of Systems (LAAS), Micro and Nano Systems for Wireless Communication team (MINC), University of Toulouse, Toulouse, France

Deadline for manuscript submissions:

**closed (20 February 2019)**

### Message from the Guest Editors

Dear Colleagues,

The contents of this Special Issue deal with progress in the design, modeling and performance evaluation of novel electromagnetic sensors. Fully passive and wireless electromagnetic sensors are actually very good candidates for measuring physical or chemical quantities in harsh environments and/or for applications requiring sensing devices with low-cost of fabrication, small size and long-term measurement stability. Passive electromagnetic sensing devices convert typically the variation of the quantity of interest (such as, e.g., pressure, temperature or gas concentration) into the measurable variation of an electromagnetic wave descriptor. We invite authors to contribute original research articles, as well as review articles, which stimulate the continuing efforts in innovative solutions for electromagnetic sensors. [...]

For further information, please visit [http://www.mdpi.com/journal/sensors/special\\_issues/passive\\_electromagnetic\\_sensors](http://www.mdpi.com/journal/sensors/special_issues/passive_electromagnetic_sensors).

Prof. Dr. Hervé Aubert

Dr. Patrick Pons

*Guest Editors*



[mdpi.com/si/14132](http://mdpi.com/si/14132)

# 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 (*Instruments & Instrumentation*) / 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](#)