



*sensors*



an Open Access Journal by MDPI

## Sensors for Fault Diagnosis and Fault Tolerance

Guest Editors:

**Prof. Dr. Manuel Pineda-Sanchez**

**Prof. Dr. Martin Riera-Guasp**

**Prof. Dr. Ruben Puche-Panadero**

**Prof. Dr. Javier Martinez-Roman**

Deadline for manuscript  
submissions:  
**closed (20 February 2019)**

### Message from the Guest Editors

Dear Colleagues,

Automation of industrial processes (smart factories, collaborative robots, Industry 4.0) and everyday life (smart buildings, automated driving) play an increasing role in the advancement of modern societies. Due to the complexity of automated installations, the prevention of safety hazards and huge production losses require the detection and identification of any kind of fault, as early as possible, and to minimize their impacts by implementing real-time fault detection (FD) and fault-tolerant (FT) operations systems. Therefore, FD and FT technologies have attracted an increasing amount of research and industrial attention in recent years. Modern FD and FT schemas demand high-volume, high-quality information from multiple types of sensor data, but sensors are also subject to failure, which must be included in the diagnostic systems...

For further information, please visit [http://www.mdpi.com/journal/sensors/special\\_issues/sensors\\_fault\\_diagnosis\\_fault\\_tolerance](http://www.mdpi.com/journal/sensors/special_issues/sensors_fault_diagnosis_fault_tolerance).

Prof. Dr. Manuel Pineda-Sanchez  
Prof. Dr. Martin Riera-Guasp  
Prof. Dr. Ruben Puche-Panadero  
Prof. Dr. Javier Martinez-Roman  
*Guest Editors*



[mdpi.com/si/16090](http://mdpi.com/si/16090)

# 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 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](#)