



sensors



an Open Access Journal by MDPI

Trends and Applications in Sensor Fault Diagnosis

Guest Editors:

Dr. Paolo Sommella

Department of Industrial Engineering (DIIn), University of Salerno, 132 - 84084 Fisciano, Italy

Dr. Domenico Capriglione

Department of Electrical and Information Engineering, University of Cassino and Southern Lazio, 03043 Cassino, Italy

Deadline for manuscript submissions:

closed (30 November 2023)

Message from the Guest Editors

Dear Colleagues,

For this Special Issue, we invite authors from academia and industry to submit new research on technological innovations and novel applications in the automatic diagnosis of sensor systems, with a special focus on real-time applications. Research topics include, but are not limited to:

- Innovative electronic and mechatronic sensors with self-diagnosis capabilities;
- New techniques and approaches for Instrument Fault Detection Isolation and Accommodation (IFDIA);
- New architecture for Fault-Tolerant Control Systems;
- Fault diagnosis in Distributed Measurement Networks;
- The industrial applications of sensor fault diagnosis;
- Testing algorithms and approaches for estimating sensor reliability and life-cycles.

Best regards,

Guest Editors



mdpi.com/si/148568

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

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)