Special Issue

Advances in Sensor Technology and Applications for Fault Diagnosis: Design, Architecture, and Approaches

Message from the Guest Editors

This Special Issue of Sensors journal focuses on the latest advances in sensor technology and applications for fault diagnosis. The ability to detect, diagnose, and predict faults in complex systems is critical for ensuring their safe and reliable operation. Sensors play a crucial role in this regard, providing real-time information on the state of the system and enabling proactive maintenance and repair. This Special Issue brings together original research articles and reviews that cover a wide range of topics related to fault diagnosis, including innovative sensor design and architecture, machine learning and data-driven approaches, IoT and wearable sensors, and smart/intelligent sensor-based systems. The articles will provide insights into the latest developments in sensor relevant technology, as well as their applications in various domains, such as healthcare, energy, traffic/transportation, manufacturing, and industrial. This special issue aims to showcase the state-of-the-art in sensor technology and its applications for fault diagnosis, and to encourage further research in this important area.

Guest Editors

Prof. Dr. Chan-Yun Yang

Dr. Hooman Samani

Dr. Hiroharu Kawanaka

Deadline for manuscript submissions

closed (31 October 2024)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/172228

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

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
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 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)