Special Issue

Sensor Technologies for the Reliability and Robustness of Current Measurement

Message from the Guest Editors

The Special Issue aims to explore the latest advancements in measurement technologies that enhance the precision, reliability, and robustness of current measurement systems. In an era where accurate current measurement is critical for various applications, ranging from industrial automation to renewable energy systems, it has become increasingly important to address the challenges associated with measurement inaccuracies, environmental influences, and component degradation. The background of this Special Issue is grounded in the growing demand for reliable current measurement solutions amid rapid technological advancements. As industries evolve, the complexity of current measurement systems has increased, necessitating innovative approaches to ensure consistent performance. The purpose of this Special Issue is to highlight cutting-edge research that promotes the development of resilient measurement technologies, including new sensor designs, advanced calibration techniques, and innovative data processing algorithms. For detailed information, please visit here.

Guest Editors

Prof. Dr. Shaoyi Xu
Prof. Dr. Sheng Lin
Dr. Chengtao Wang

Deadline for manuscript submissions

29 July 2026

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/264781

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)