



sensors



an Open Access Journal by MDPI

Advanced Sensing and Measurement Control Applications

Guest Editors:

Prof. Dr. Peter W. McCarthy

Dr. Vincenzo Cascioli

Prof. Dr. Zhuofu Liu

Deadline for manuscript
submissions:

30 June 2024

Message from the Guest Editors

Highly integrated and multifunctional sensors have boosted the rapid growth in research and applications across various fields from machine failure detection, food quality control and pharmaceutical manufacture to human health monitoring. To achieve reliable, accurate and useful outcomes, however, requires advanced algorithms. Algorithms can be used in the display of information, and their calculations and compensations can be used to handle the vagaries of the sensors. It is the algorithm that turns sensor output into presentable information (displays) that is understandable to patients/users.

The aim of this Special Issue is to illustrate recent achievements in sensing technique development and to present both measurement control applications and state-of-the-art algorithms, including deep/machine learning and artificial intelligence, in order to produce an effective, reliable and simple user interface. Articles involving an in-depth discussion of specific problems, such as a clinical/medical data analysis, will also be considered, as these are rarely published yet are important to indicate potential pitfalls to avoid and methods to compensate for them.



mdpi.com/si/146981

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

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