



sensors



an Open Access Journal by MDPI

Fractional Sensor Fusion and Its Applications

Guest Editors:

Dr. Cristina I. Muresan

Prof. Dr. Eva H. Dulf

Dr. Dana Copot

Prof. Dr. Liviu C. Miclea

Deadline for manuscript
submissions:

closed (28 February 2022)

Message from the Guest Editors

In our digital world, information is the key factor dictating decisions. Sensors provide useful information, but the ability to make sense of these data by fusing them into new knowledge would provide clear advantages. The goal of sensor fusion is to attain a global view of a process' evolution in order to make the best decision. On the other hand, modern developments in theoretical and applied science have widely depended on knowledge of the derivatives and integrals of the fractional order appearing in engineering practices. The use of fractional sensor fusions could combine the advantages of these two powerful elements. The applications of fractional sensor fusions are wide ranging.

The present Special Issue aims to present and highlight the advances and the latest novel and emergent technology applications concerning fractional sensor fusion development in medicine and in other areas. It will provide a forum for the research community to share advances and new ideas regarding these technologies.



mdpi.com/si/52497

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](#)