



Data Fusion and Machine Learning in Sensor Networks

Guest Editors:

Prof. Dr. Jesús García-Herrero

Computer Science Department,
Universidad Carlos III de Madrid,
Colmenarejo, Spain

Dr. Antonio Berlanga

Applied Artificial Intelligence
Group, Universidad Carlos III de
Madrid, Colmenarejo (Madrid),
Spain

Message from the Guest Editors

In today's digital world, information is the key factor to make decisions. Ubiquitous electronic sources, such as sensors and video, provide a steady stream of data, while text-based data from databases, the Internet, email, chat, and VOIP, and social media are growing exponentially. The ability to make sense of data by fusing it into new knowledge would provide clear advantages in making decisions.

This Special Issue invites contributions on the following topics (but is not limited to them):

Deadline for manuscript
submissions:
closed (31 March 2022)

- Data fusion of distributed sensors
- Context definition and management
- Machine learning techniques
- Integration of data fusion
- Ambient intelligence
- Data fusion on autonomous systems
- Human–computer interaction
- Application scenarios for machine learning-based data fusion
- Data fusion model performance evaluation
- Machine learning interpretability in data fusion





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](#)