

Special Issue

Data Fusion and Artificial Intelligence Applications in Remote Sensing

Message from the Guest Editors

Recent advancements in sensors and high-performance computing platforms have resulted in the development and implementation of numerous state-of-the-art deep/machine learning approaches for conducting multisensor collaborative remote sensing applications. This includes the emergence of new sensors and more powerful versions of traditional sensors, the increasing availability of additional sophisticated space, aerial, and ground platforms, the automation of data processing and the popularization of geospatial artificial intelligence. However, it is necessary to mention that the users' demands and expectations with respect to the size of the observed area, temporal and spatial resolution, accuracy, speed of operation, problem-solving capability and new application developments using multisource RS technology are still increasing. Therefore, it is necessary to deeply integrate data fusion and GeoAI according to the characteristics of RS data from different sources and the specific needs of different applications. This Special Issue focuses on advancements and innovative methods and solutions of data fusion and geospatial artificial intelligence in remote sensing.

Guest Editors

Prof. Dr. Lei Deng

College of Resource Environment and Tourism, Capital Normal University, Beijing 100048, China

Prof. Dr. Xianglei Liu

Key Laboratory for Urban Geomatics of National Administration of Surveying, Mapping and Geoinformation, Beijing University of Civil Engineering and Architecture, Beijing 100044, China

Deadline for manuscript submissions

closed (31 May 2024)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/121940

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

[mdpi.com/journal/
sensors](https://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](https://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)