

Special Issue

UAV Imagery and Its Applications Using Artificial Intelligence Techniques and Explainability-Based Models

Message from the Guest Editor

This Special Issue will focus on the development of artificial-intelligence-based models for several environmental applications including but not limited to natural hazard management, urban planning, and urbanization problems. The availability of higher resolution images captured from UAV has provided new directions in several fields, and therefore, there is a need to build more robust and advanced AI-based models. These models should provide better solutions to existing environmental issues ranging from developing novel architectures and its optimization to explaining the model outcomes. UAV-based AI models have the benefit of automatic processing owing to shorter temporal resolution, which would learn from historic experiences and provide solutions to the fast-changing environment and goals. The tasks in the UAV-AI system are interesting, each being valuable in a specific domain, with an aim to better explain the model results, and providing a reasonable explanation of the results, thereby achieving the ultimate goal of explainable AI. For more information, please visit: mdpi.com/si/85333

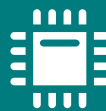
Guest Editor

Prof. Dr. Biswajeet Pradhan

Centre for Advanced Modelling and Geospatial Information Systems (CAMGIS), University of Technology Sydney, Sydney, NSW 2007, Australia

Deadline for manuscript submissions

closed (28 February 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



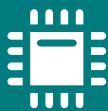
mdpi.com/si/85333

Sensors

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 3.4
CiteScore 7.3
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 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)