

Special Issue

Image Processing and Pattern Recognition Based on Deep Learning—2nd Edition

Message from the Guest Editors

The aim of this Special Issue is to publish original research contributions concerning new neural-network-based approaches of image processing and pattern recognition with direct applications in different domains, such as: remote sensing, crop monitoring, boarding monitoring, system support in medical diagnosis, emotion detection, and so on. The scope of the Special Issue includes (but is not limited to) the following scope research areas concerning the image processing and pattern recognition by the aid of new artificial intelligence techniques:

- Image processing;
- Pattern recognition;
- Image segmentation;
- Object classification;
- Neural networks;
- Deep learning;
- Decision fusion;
- Systems based on multiple neural networks;
- The detection of regions of interest from remote images;
- Industry applications;
- Precision agriculture application;
- Medical application;
- The monitoring of protected areas;
- Disaster monitoring and assessment.

Guest Editors

Prof. Dr. Dan Popescu

Department of Automation and Industrial Informatics, Faculty of Automatic Control and Computer Science, University POLITEHNICA of Bucharest, 060042 Bucharest, Romania

Prof. Dr. Loretta Ichim

Department of Automation and Industrial Informatics, Faculty of Automatic Control and Computer Science, University POLITEHNICA of Bucharest, 060042 Bucharest, Romania

Deadline for manuscript submissions

closed (25 November 2024)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/179240

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
Department of Electrical and Information Engineering, Politecnico di
Bari, Via Orabona 4, 70126 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)