



sensors



an Open Access Journal by MDPI

Computer Vision and Intelligent Sensing Based on Pattern Recognition

Guest Editors:

Prof. Dr. Zhe-Ming Lu

School of Aeronautics and
Astronautics, Zhejiang University,
Hangzhou 310027, China

Prof. Dr. Yi-Jia Zhang

School of Information Science
and Technology, Zhejiang Sci-
Tech University, Hangzhou
310018, China

Dr. Hao Luo

School of Aeronautics and
Astronautics, Zhejiang University,
Hangzhou 310027, China

Message from the Guest Editors

Deep learning and a new round of artificial intelligence development have greatly promoted the development of computer vision and intelligent sensing—for example, human action pattern recognition based on acceleration sensors has become an emerging research direction in the field of pattern recognition. This Special Issue welcomes submissions related to the following research topics: vision research under new imaging conditions, biologically inspired computer vision research, multi-sensor fusion 3D vision research, visual scene understanding under highly dynamic complex scenes, small-sample target recognition and understanding, and complex behavior semantic understanding. Electronic files and software providing full details of calculation and experimental procedures can be deposited as supplementary material.

Deadline for manuscript
submissions:

closed (30 April 2023)

- computer vision
- pattern recognition
- intelligent sensing
- deep learning
- image and video analysis and processing
- intelligent sensors
- intelligent video surveillance
- intelligent visual inspection
- security and privacy in sensing



mdpi.com/si/119928

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](#)