

Special Issue

Advances in Infrared Imaging: Sensing, Exploitation and Applications

Message from the Guest Editors

This Special Issue is intended to review the state-of-the-art on infrared imaging, from image acquisition to the processing, and understanding of all the infrared spectra. The following infrared imaging topics will be covered, but this Special Issue is not limited to only these topics:

- Imaging systems (NIR/SWIR/MWIR/LWIR)
- Processing (filtering, coloring, feature extraction and matching)
- Representation (fusion, thermal mapping)
- Understanding (machine learning, pattern recognition)
- Deep/Transfer learning, Domain adaptation
- Vision-aided navigation
- Sensing for agriculture and food safety
- Autonomous driving
- Thermal image applications
- Remote sensing

This Special Issue will receive extended version of papers on infrared imaging published at the workshop on “Perception Beyond the Visual Spectrum” (workshop series in conjunction with CVPR conference) <http://vcip-okstate.org/pbvs/17/index.html>

Guest Editors

Prof. Dr. Angel D. Sappa

1. Escuela Superior Politécnica del Litoral, ESPOL, Facultad de Ingeniería en Electricidad y Computación, CIDIS, Campus Gustavo Galindo, Km 30.5 vía Perimetral, Guayaquil 09-01-5863, Ecuador
2. Computer Vision Center, Edifici O, Campus UAB, Bellaterra, 08193 Barcelona, Spain

Dr. Riad I. Hammoud

BAE Systems (Massachusetts, USA)

Deadline for manuscript submissions

closed (20 June 2018)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/12211

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

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)