

Special Issue

Infrared Imaging and Sensing Technology

Message from the Guest Editors

Infrared imaging and sensing technology has been commonly utilized in a variety of applications, such as surveillance, manufacturing, medical imaging, and the military. However, there are still many challenges in this field, especially in the preprocessing of infrared images and specific algorithms for further applications. This Special Issue of *Sensors* is devoted to discussing and reporting on novel progress in infrared imaging and sensing technology, especially related to improving infrared image quality and meeting the requirements of various applications. Paper proposals describing the enhancement, fusion, super resolution, nonuniform correction, etc. of infrared images are welcome. New procedures, algorithms, and solutions for detection, recognition, and medical diagnosis using infrared images are also encouraged. **Keywords**

- infrared imaging
- infrared sensing
- infrared image enhancement
- nonuniform correction
- infrared image fusion
- infrared image super resolution
- infrared imaging application (include but not limited to detection, recognition, medical diagnosis)

Guest Editors

Dr. Jun Huang

Dr. Fan Fan

Dr. Hao Li

Deadline for manuscript submissions

closed (30 November 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/123985

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)