



*sensors*



an Open Access Journal by MDPI

## Infrared Imaging and Sensing Technology

Guest Editors:

**Dr. Jun Huang**

Electronic Information School,  
Wuhan University, Wuhan  
430072, China

**Dr. Fan Fan**

Electronic Information School,  
Wuhan University, Wuhan  
430072, China

**Dr. Hao Li**

School of Mathematics and  
Computer Science, Wuhan  
Polytechnic University, Wuhan  
430048, China

Deadline for manuscript  
submissions:

**closed (30 November 2022)**

### 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)



[mdpi.com/si/123985](https://mdpi.com/si/123985)

# 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 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

## Contact Us

*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)