

Special Issue

Infrared Sensors and Technologies: Recent Advances

Message from the Guest Editor

Infrared sensing technologies have commonly been utilized in a variety of applications in industrial and medical fields. Recently, the development of new technologies, such as low-cost InGaAs near-infrared cameras, microbolometer thermal imaging arrays, and hyperspectral cameras have been rapidly expanding these fields. Novel light sources, represented by high-powered near-infrared LEDs and quantum cascade lasers emitting mid-infrared light, also make it possible to develop compact and inexpensive systems for infrared sensing applications. This Special Issue encompasses a broad range of infrared sensors and their applications, including state-of-the-art technologies in sensing devices and systems.

Guest Editor

Prof. Dr. Yuji Matsuura

Graduate School of Biomedical Engineering, Tohoku University, Sendai 980-8579, Japan

Deadline for manuscript submissions

closed (15 October 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/37998

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)