

Special Issue

Thermography Sensing-Based Non-destructive Testing Methods and Applications

Message from the Guest Editors

Thermography non-destructive testing is an overarching field of research focusing on the physics–mathematical foundations and practical applications of thermography NDT and its multi-excitation, interpretation, system, signal processing and artificial intelligent algorithms that learn, reason and act. Potential topics for this Special Issue include but are not limited to the following:

- Induction, optical, laser, ultrasound, and flash thermography NDT;
- Multimodality excitation, such as lock in, pulsed, step heating, etc.;
- Physical guided thermography processing and machine learning;
- Different thermography NDT applications;
- Computer vision and 3D reconstruction by multimodal sensor data fusion;
- Fusion of thermography NDT with other NDT methods;
- Non-destructive testing and evaluation and structure health monitoring for material characterization, structural integrity, etc.

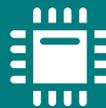
For more information, please visit: mdpi.com/si/189020

Guest Editors

Prof. Dr. Bin Gao
Prof. Dr. Junyan Liu
Prof. Dr. Yunze He

Deadline for manuscript submissions

15 September 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

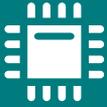


mdpi.com/si/189020

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
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 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)