



*sensors*



an Open Access Journal by MDPI

## Infrared Thermography and Additional Non-Destructive Testing for Building, Structure and Material Inspections

Guest Editors:

**Dr. Stefano Sfarra**

Department of Industrial and Information Engineering and Economics, University of L'Aquila, L'Aquila, Italy

**Dr. Eva Barreira**

Department of Civil Engineering, Faculty of Engineering (FEUP), University of Porto, 4200-465 Porto, Portugal

**Prof. Dr. Susana Lagüela López**

Department Cartographic and Terrain Engineering, University of Salamanca, 05003 Ávila, Spain

Deadline for manuscript submissions:

**closed (30 November 2020)**

### Message from the Guest Editors

Non-destructive testing (NDT) describes techniques that measure properties in the body without disturbing their state. Infrared thermography is a special type of NDT that evaluates the body's thermal state and determines the presence of thermal pathologies. It can be applied autonomously or combined with other NDT techniques that provide additional information to complete the study of a particular element, for example, to provide information about the interior of an element (higher depth). Thus, different infrared thermography (IRT) methods, alone or together with other NDT techniques, represent good alternatives for the evaluation of the state of structures and building materials that cannot be disturbed due to their “in operation” state.

This Special Issue invites the submission of both review and original research articles related to the application of infrared thermography and other non-destructive techniques to the inspection of buildings, infrastructures and materials for the detection, identification and characterization (geometric and thermal) of pathologies that affect the integrity of the element under study.



[mdpi.com/si/26592](https://mdpi.com/si/26592)

**Special** Issue



*sensors*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Vittorio M. N. Passaro**

Department of Electrical and  
Information Engineering,  
Politecnico di Bari, Via Orabona  
4, 70126 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 (Instruments and Instrumentation) / 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](#)