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

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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.

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