Special Issue

Novel Ideas for Infrared Thermography also Applied in Integrated Approaches

Guest Editors:

Dr. Stefano Sfarra
Las.E.R. Laboratory, Department of Industrial and Information Engineering and Economics, University of L’Aquila, Piazzale E. Pontieri no. 1, Roio Poggio—L’Aquila (AQ), Italy
stefano.sfarra@univaq.it

Prof. Dr. Dario Ambrosini
Las.E.R. Laboratory, Department of Industrial and Information Engineering and Economics, University of L’Aquila, Piazzale E. Pontieri no. 1, Roio Poggio—L’Aquila (AQ), Italy
dario.ambrosini@univaq.it

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Message from the Guest Editors

This Special Issue is devoted to the application of the infrared thermography (IRT) method. The use of combined approaches are also welcomed. The authors should demonstrate that the part of IRT is predominant in the works, and it is direct towards the implementation of new ideas. The participation of leading scientists is important to guide the reader and users towards a world seen at infrared. This is useful in process temperature-dependent linked to the civil, mechanical, biomedical and so on. Particularly welcome will be works that validate preliminary numerical simulations. In situ applications are considered as laboratory measurements. The message is based on IRT as a non-destructive, non-invasive, and non-intrusive method useful to analyze thermal responses.

- Infrared thermography
- Non-destructive testing
- Advanced image processing
- Defect detection
- Heat transfer
- Measurement uncertainty
- Thermographic numerical simulations
- Infrared vision
- Defect depth retrieval
- Qualitative and quantitative analyses

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