Special Issue

Thermographic Analysis for Non-Destructive Testing of Joints

Message from the Guest Editors

Infrared thermography (IRT) is an advanced technology used in various fields to detect defects and anomalies in products and materials. Active thermography involves the intentional heating of a component by external sources to generate thermal changes, and the detection of these changes based on the infrared radiation emitted by the object enables the identification of internal problems or defects in materials. Active thermography is an emerging technology with the potential for the joint inspections of industrial components. Its cost-effectiveness and versatility make it a promising choice for improving the joint quality with minimal cost and waste. Non-destructive testing (NDT) approaches, like eddy current testing, magnetic particle testing, radiographic testing, and ultrasonic testing, have been standardized and implemented. On the other hand, there are no specific standards for the application of NDT-based thermography testing. This Special Issue aims to collect the most recent results in the non-destructive testing based on thermographic analysis.

Guest Editors

Dr. Manuela De Maddis

Department of Management and Production Engineering, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Turin, Italy

Dr. Valentino Razza

Department of Management and Production Engineering, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Turin, Italy

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Journal of Manufacturing and Materials Processing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmmp@mdpi.com

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Journal of Manufacturing and Materials Processing (*JMMP*)(ISSN 2504-4494) is a new MDPI peer-reviewed, open access venue with a focus on the scientific fundamentals and engineering methodologies of manufacturing and materials processing. We offer an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings. On behalf of the Editorial Board, I extend an invitation to our scientific and engineering colleagues to contribute high-quality, innovative, and ground-breaking research articles to *JMMP.*

Editor-in-Chief

Prof. Dr. Steven Y. Liang
George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology, Atlanta, GA 30332-0405, USA

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