Special Issue

Modern Non-destructive Testing for Metallic Materials

Message from the Guest Editors

We are writing to you to invite you to participate in a Special Issue of *Metals* entitled *Modern Non-Destructive Testing for Metallic Materials.* As editors, we are interested in the most recent developments and discoveries in the field of non-destructive testing methods. These may include new microscopic techniques, the latest improvements in X-ray and ultrasonic 3D-imaging, as well as acoustic, electromagnetic, and thermal inspection methods. All contributions on the latest testing or material characterization methods should focus on metallic materials, at least as their main application. In addition, we intend to cover the full range of spatial resolutions from microns down to the nanometer scale. Our objectives are the detection of defects and imperfections, as well as explanations of structure–property relationships, in order to characterize materials' behavior. We appreciate your particular expertise in one or more of the fields mentioned above. Therefore, we would like you to consider contributing to this Special Issue. Your manuscript will be very welcome and proofread by distinguished experts in the field of non-destructive testing.

Guest Editors

Prof. Dr. Bernd Valeske

Dr. Theobald Fuchs

Dr. Ralf Tschuncky

Deadline for manuscript submissions

closed (31 October 2024)

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About the Journal

Message from the Editor-in-Chief

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

Editor-in-Chief

Prof. Dr. Yong Zhang
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JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Metals and Alloys)

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

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