

Special Issue

Welding and Joining of Metallic Materials: Microstructure and Mechanical Properties

Message from the Guest Editors

Welding and joining metallic materials are vital in the aerospace, automotive, and construction industries to create complex assemblies and components. The quality and efficacy of welded joints hinge not only upon utilizing the appropriate joining techniques, but also upon the microstructure and mechanical properties of the resulting welds. It is of paramount importance to gain an insight into the relationship between the microstructural, mechanical, and joining process parameters, joint integrity, the overall performance of welded structures, and streamline fabrication practices. This Special Issue invites researchers from academia, industry, and research institutions to contribute perspectives, original research articles, and reviews on welding and joining of metallic materials. This Special Issue aims to bring together a diverse collection of contributions to advance our understanding of welding and joining processes, foster innovation, and facilitate the development of optimized welding practices with improved microstructure and mechanical properties.

Guest Editors

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Deadline for manuscript submissions

closed (20 August 2024)



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About the Journal

Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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