Special Issue

Determinants of Welding Performance of Crystalline Materials

Message from the Guest Editors

Welding and joining are an essential element in manufacturing complex structures and products, from custom products such as aircrafts, ships and medical devices to high volume products such as automobiles, appliances and microelectronics devices. Current trends in product design saw increased usage of lightweight and dissimilar materials, including metal alloys, metal matrix composites, and high entropy alloys. Performance of welds/joints as influenced by their basic properties, processing history, microstructure and operating environment is the core of welding/joining process design. This Special Issue aims to bring together theoretical, simulation and experimental studies related to scientific and/or engineering factors that affect the performance of welding/joining parts.

Guest Editors

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Deadline for manuscript submissions

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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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