Special Issue

Additive Manufacturing (AM) of Metallic Alloys

Message from the Guest Editor

Additive Manufacturing, known as Rapid Prototyping, has already revolutionized the production of polymeric material components. New developments in AM technologies are providing industries with the ability to build structural components with a variety of metal alloys, ceramics, and composite materials. The introduction of metal AM processes has revolutionized the production of metallic components in the industrial sectors where complex geometries, organic shapes, tubular, hollow designs, and dense, lattice-filled structures play a decisive role. However, there are problems that limit the wider uptake and exploitation of metals AM. These are related to the lack of design and modeling skills and AM software, to the different properties that are obtained using the same technology but different machines, to the difficulty in perfectly simulating the processes, to the incomplete understanding of the causes of the variation in the quality of the parts and to the repeatability of the processes.

This special issue is aim to collect full papers and reviews in the areas of material supply, part design, process modelling, process technology, postprocessing, and applications of metals AM.

Guest Editor

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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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