Special Issue

Feature Paper Collection of "Advancements in Metal Additive Manufacturing"

Message from the Guest Editors

Additive manufacturing has gained worldwide interest and seen significant growth in recent years in the number of applications and revenues. Among the additive manufacturing processes, metal additive manufacturing is the most rapidly growing sector. This Special Issue aims to collect various advances in metal additive manufacturing processes, including, but not limited to, fusion-based processes such as laser powder bed fusion, directed energy deposition, electron beam melting, and binder jet printing; as well as non-fusion-based processes such as cold spray, friction stir additive manufacturing and ultrasonic additive manufacturing. Works examining novel applications, in-process monitoring and control, physics-based predictive modeling, data-driven approaches and novel system-level design and implementation are all welcome for this Special Issue. In addition, all submissions on additive manufacturing of multi-materials combining metals and non-metals will be favorably considered.

Guest Editors

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Prof. Dr. Yung C. Shin

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Deadline for manuscript submissions

closed (30 April 2024)

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About the Journal

Message from the Editorial Board

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.

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