

Special Issue

Advances in Additive Manufacturing Technology of Metals and Alloys

Message from the Guest Editor

Additive Manufacturing (AM) remains a rich and rapidly developing theme in metal and alloy processing. The advancement of AM technology has brought opportunities not just for complex metal component fabrication but also for microstructure tailoring and novel material design. To model and analyze this advanced manufacturing technology for metal fabrication process optimization and component performance enhancement has become a challenging issue for both academia and industry. This Special Issue aims to highlight research on the computation and simulation of metals processed with AM technology. In addition, post-treatment modeling and non-destructive testing and evaluation (NDT&E) on AM metals are invited here.

Guest Editor

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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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