



Metal Additive Manufacturing: Technologies, Materials, Fabrication and Mechanical Properties of 3D Printed Components

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Message from the Guest Editors

Dear Colleagues,

The present Special Issue of *Metals*, entitled “Metal Additive Manufacturing: Technologies, Materials, Fabrication and Mechanical Properties of 3D-Printed Components” focuses on additive manufacturing techniques for metallic materials, as well as the effect of process parameters of microstructural and mechanical properties of 3D-printed parts and post-processing techniques.

The 3D-printed components in metallic materials represent a significant and growing portion of additively manufactured parts in increasingly diverse fields such as the medical, aerospace and automotive industries. There are different technologies used in metal additive manufacturing available today, classified by the energy source, the way the material is joined or the feedstock state.

The present Special Issue aims to collect contributions on the additive manufacturing techniques for metallic materials, the effect of process parameters on the microstructural and mechanical properties of 3D-printed parts and post-processing techniques.





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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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