Special Issue

Editorial Board Members' Collection Series: Additive Manufacturing Technology

Message from the Guest Editors

A wide range of developing technologies for manufacturing parts, including selective laser or electron beam alloying of powders, direct energy deposition, wire electron beam, electric arc technologies, etc., allow for obtaining parts with different accuracy, productivity, structure, properties, or dimensions. Analysis of the current state of research in the field of additive technologies for manufacturing products from metals and alloys shows that specific conditions of non-stationary metallurgical processes are formed, which are not typical for traditional technologies and lead to the formation of material structure and properties different from those formed by other production methods.

In this Special Issue, we expect articles presenting the results of studies of the structure organization and forming of mechanical properties in metals and alloys obtained using the methods of various additive technologies. A special interest of the Issue is the problems related to the production of products using methods of high-performance additive manufacturing.

Guest Editors

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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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