Special Issue

Powder Bed Fusion and Direct Deposition in Additive Manufacturing of Metals: Methods, Materials, and Their Properties

Message from the Guest Editors

Currently, different additive manufacturing techniques with various mechanisms, such as powder bed or direct deposition, are being used to fabricate metal components. Additionally, the use of different bonding techniques, such as binder jetting, sintering, or melting, and energy sources such as laser beams, electric arcs, or electron beams make each metal additive manufacturing method distinct from others in terms of its core nature. Consequently, based on these features, additive manufacturing methods can be used in different scenarios and yield final products with distinct and different properties. For more information, please see the Special Issue Website at: https://www.mdpi.com/journal/materials/special_issues/Y2W6PCJP5O

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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