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Research on Additive Manufacturing of Novel Alloy Materials

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Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

Additive Manufacturing (AM) builds the part layer by layer from a material supplied as a fine powder and could be an alternative to milling a workpiece from the solid block. AM uses computer aided design (CAD) software or 3D object scanners to direct hardware to deposit material layer by layer.

The fundamental benefit of additive manufacturing is the combination of productivity with low volume, high complexity and frequently changing parts.

To meet today's high demands on the accuracy and efficiency of production, it is necessary to develop precise physical models to predict the properties of new alloy materials depending on their chemical composition, and to use computer methods to design and optimize the process.

This Special Issue aims to present the latest advances in additive manufacturing and trends in new material development. We encourage to publish research on optimization of the process for modern manufacturing engineering, in particular modeling and computer simulation of material behavior during sintering powders and removing machining allowances after AM products.

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Guest Editors

mdpi.com/si/60723

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Message from the Editor-in-Chief

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Journal Rank: JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

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