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Additively Manufactured Metallic Materials

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Message from the Guest Editors

Dear colleagues,

Additive manufacturing has recently gained much popularity in both the research and application communities due to the many advantages it offers, as compared to conventional subtractive manufacturing techniques. These include the ability to fabricate net-shaped complex geometries, integration of multiple parts, on-demand fabrication, and efficient raw material usage, among other benefits. However, characteristics of the powder feedstock, variations in the large number of process parameters and scan strategy used, as well as the part geometry and postprocess treatment(s) can result in a broad range of microstructures, internal and surface defects, anisotropy, residual stresses, and, consequently, performance. This Special Issue covers these topics and focuses on the process–structure–performance relationships of additive manufactured metals.



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Special Issue



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Message from the Editor-in-Chief

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