



Thermomechanical Processing and Additive Manufacturing of Metal Alloys

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Metal additive manufacturing (AM) has transformed the field of engineering by offering unparalleled flexibility. Nevertheless, other enquiries persist, such as how the specific characteristics of metal additive manufacturing (AM) components are attained and, in connection, whether and how they might be intentionally devised. Acquiring this type of expertise is essential for enhancing the performance of AM parts.

The Special Issue, titled "Thermomechanical Processing and Additive Manufacturing of Metal Alloys", is dedicated to publishing studies focused on the in-depth exploration of the additive manufacturing process applied to metallic materials, with a specific focus on investigating the microstructure and mechanical properties of the resulting materials. We extend an invitation to you to participate in this Special Issue by submitting papers that explore the strategic design of microstructures and defects, multi-scale materials characterization, in situ monitoring of AM processes, and a re-evaluation of physical metallurgy to develop the desired mechanical properties in manufactured products for various industrial applications.





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Message from the Editor-in-Chief

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