



## Thermal and Thermomechanical Post-processing of Additively Manufactured Parts

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### Message from the Guest Editors

Dear Colleagues,

State-of-the-art metal additive manufacturing (AM), or 3D printing, allows for the fabrication of complex, near-net-shape geometries and the realization of more efficient and lightweight designs, more sustainable part manufacturing, rapid prototyping, and reduced machining costs. Despite the many advantages of AM methods, metal parts produced by AM generally do not achieve the same structural integrity and mechanical properties of wrought parts due to the development of high residual stresses and, possibly, the formation of detrimental phases and defects. In addition to optimizing the AM process conditions, post-processing operations, including thermal and thermomechanical treatments, are often employed to relieve the residual stresses, refine the microstructure, and improve the quality and properties of metallic parts produced by AM.

This Special Issue aims to provide a forum for researchers and practitioners from academia and industry to publish their experimental and theoretical results on post-processing for additive manufacturing and to contribute to the quality improvements and rapid application of additively manufactured parts.





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## Message from the Editor-in-Chief

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