



Additive Manufacturing Process and Optimization

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Message from the Guest Editor

Additive manufacturing plays an important role in the manufacturing industry because of its ability to provide manufacturers with complex parts while controlling an extensive set of processing parameters that allows the obtention of tailor-made properties in those parts.

Additive manufacturing systems have expanded significantly in recent years and are often available in a variety of manufacturing environments, regardless of size, location or industry. However, more research is needed to understand how parameters interact with each other or how they are relevant for predicting properties. It has yet to become a robust set of technologies that provide engineers with repeatable and trustworthy results. This is how optimization is understood and must be oriented in this Special Issue: as a multi-faceted concept that can be applied in different areas, including excellent mechanical performance, high-quality roughness or dimensional tolerances, decisions over the best geometries to achieve excellent results while saving material, or minimizing the waste associated with the process.





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Message from the Editor-in-Chief

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