

Special Issue

Additive Manufacturing Process and Optimization

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.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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