Special Issue

Numerical Modelling of Additive Manufacturing

Message from the Guest Editors

Additive Manufacturing (AM) has been regarded as a potentially disruptive and promising method in fabricating various products with specific shapes and performances. However, the current knowledge on the AM process obtained from physical experiments is still quite limited, largely due to the lack of available measurement techniques. The lack of proper control over such processes leads to a significant drop in the quality of the final product. Numerical modelling provides an effective alternative and powerful tool to understand the fundamentals and applications of the AM techniques by providing full-scale particulate information. To learn how products can be better designed and manufactured via AM, this Special Issue aims to collect the innovative work of AM and corresponding applications to highlight the current and future developments in the field. Topics of particular interest include, but are not limited to, the use numerical modelling to optimize material components and AM processes and the proposal of new concepts and applications.

Guest Editors

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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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