

Special Issue

Additive Manufacturing Technology and Applications for Aerospace

Message from the Guest Editor

The emergence of additive manufacturing (AM) has led to the rapid development of applications in the aerospace sector. The main applications of additive manufacturing in aerospace include rapid prototyping and low volume machining, leading to significant cost and lead-time reductions. The full utilization of AM in aerospace particularly on structural components is only possible when challenges in their manufacturing speed and accuracy and issues associated to AM product validation are resolved. This Special Issue welcomes papers from ongoing or recently completed research projects in additive manufacturing in the aerospace sector. Suggested topics include but are not limited to:

- Structural part design for AM utilization;
- Internal and external topology optimization for AM;
- Geometric dimensioning and tolerancing for AM parts;
- AM product validation and non-destructive testing;
- AM process improvement and in situ inspection;
- Multimaterial AM technology and applications;
- Bio-inspired design of structural parts for AM.

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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