



Transformative Advances in Additive Manufacturing for Demanding Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Additive manufacturing (AM) was considered a rapid prototyping tool when the first machines were developed in the 1980s. Layer-by-layer creation of the part and usability of many materials allow the creation of extremely complex structures with customized properties. Additive manufacturing has become an alternative production method for space applications, small scale production, creation of assembled products, sensing structures and many applications.

The objective of this Special Issue is to collect recent studies that has been transforming additive manufacturing into a powerful production tool of extraordinary structures.

Topics include but are not limited to the following research themes:

additive manufacturing

multi-material additive manufacturing

3D printing

4D printing

5D printing

Large scale 3D printing

Additive manufacturing in space

similar transformative applications





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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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