

Special Issue

Metal Additive Manufacturing for Space: Processes, Properties and Applications

Message from the Guest Editors

Additive manufacturing (AM) has revolutionized the building process in different areas of our society. The range of application spans from medicine to aerospace. In the field of space applications, AM is a strategic technology with particular relevance in the building of metallic parts. Products such as satellite systems represent, indeed, a challenging category from an engineering design perspective, and at the same time, they are produced in small batches. AM allows for weight and material volume minimization, which are ideal drivers in costly products to be produced in low production volumes. At the same time, from a design perspective, AM represents a radically new way of manufacturing.

In this Special Issue, we invite submissions exploring cutting-edge research and recent advances in the fields of the metal additive manufacturing process, material properties and applications for space including microwave components, and mechanical structures. Both theoretical and experimental studies are welcome, as well as comprehensive review and survey papers.

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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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