

Special Issue

Metal Additive Manufacturing and its Applications: From the Material to Components Service Life

Message from the Guest Editors

These days, additive manufacturing processes have a large representation in current research and in the focus of industrial applications. In addition to process and geometric aspects, material properties are also increasingly in focus, as well as modern materials, such as titanium aluminides, high entropy alloys and nickel base superalloys are more and more qualified for additive manufacturing. The more the knowledge about additive manufacturing increases, the more these processes are used in industrial manufacturing. Here, they are used in many industries, from aviation to energy technology, and ensure the continuous further development of technical equipment with appropriate post-processing, such as milling or heat treatment. In order to take this fact into account, this Special Issue will provide a good overview of the current state of research, and is intended to provide an overview of the latest research results and industrial applications, both across applications and materials. Welcome to contribute your work. Details can be found at:

https://www.mdpi.com/journal/applsci/special_issues/Metal_Additive_Manufacturing_Applications

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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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