

Special Issue

Advancements in Laser Based Additive Manufacturing Technologies

Message from the Guest Editor

Laser-based additive manufacturing technologies have been attracting more and more interests from both academia and industry for R&D and technology adoptions. This Special Issue aims to provide a platform for researchers to share the latest advancements in laser-based additive manufacturing technologies. It covers the following key areas of laser-based additive manufacturing technologies, in addition to other relevant topics: Analysis of laser-material interaction and fundamentals of the processes; Development of laser-based additive manufacturing processes as well as hybrid processes; Simulation/modeling of process, material, thermal-mechanical-performance relationship; Advanced materials development via laser-based additive manufacturing; Material characterization and performance; Process monitoring and control for quality assurance and enhancement; Design and optimization; Novel systems and industry applications; Post-processing of additively manufactured components.

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.

Editor-in-Chief

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