Special Issue

Advanced Laser Systems and Techniques for Additive Manufacturing

Message from the Guest Editor

We are pleased to invite you to contribute to this Special Issue, which centers on the latest advancements in laser-based technologies for additive manufacturing (AM). As laser systems continue to evolve, their precision, flexibility, and energy efficiency have positioned them as a cornerstone of modern metallic AM techniques. The integration of advanced laser systems with innovative design and manufacturing strategies has unlocked new frontiers in the fabrication of high-performance, lightweight, and functionally graded components. This Special Issue aims to provide a comprehensive platform for disseminating recent breakthroughs in laser-assisted additive manufacturing. It will highlight emerging methodologies, novel system configurations, and computational strategies that enhance process fidelity, material behavior control, and part quality.

Guest Editor

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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.

Editor-in-Chief

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