



Multi-Material Additive Manufacturing for Advanced High-Tech Components

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Deadline for manuscript
submissions:

closed (20 July 2023)

Message from the Guest Editors

Dear Colleagues,

Advanced Additive Manufacturing (AM) technology can be further explored to revolutionize our conception/understanding of materials and structures.

Additionally, the potential of smart materials such as shape memory alloys, piezoelectric materials magneto-rheological materials, and electro-rheostat materials combined with AM design freedom is huge, and offers a new range of diversified solutions for several engineering challenges.

In this Special Issue, we welcome reviews, articles, and short communications that focus on metal-based advanced high-tech components via additive manufacturing. We cordially invite you to submit your contribution to this issue, whose topics include, but are not limited to, the following (experimental and numerical studies are welcome):

- Advanced Additive Manufacturing strategies;
- Laser Powder-Bed-Fusion;
- Metal-based multi-material design
- Nature-inspired architectures and solutions by AM;
- Multi-functional components;
- Smart materials;
- Topological optimization and high-efficient solutions.





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Message from the Editor-in-Chief

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