

Special Issue

3D Printing Fabrication of Small Components

Message from the Guest Editors

In recent years, 3D fabrication has been developed using additive manufacturing (AM) technologies, which can meet the needs for on-demand fabrication of net-shape and near-net-shape multimaterial parts with multifunctionalities. This technology can provide rapid prototyping and low-volume manufacturing services, and versatile AM fabrication platforms could be advantageously shared by many users thanks to enhanced virtualization and collaborative work through a cloud. Future smart factories rely on smart manufacturing and real-time control of fabrication. In this Special Issue, an open access forum is provided to contribute to the investigation of different aspects of the additive manufacturing technique in order to 3D print small components. Researchers may share their findings on the latest ongoing research and development activities, on the current state-of-the-art, and also on prior history. Both research papers and reviews are highly welcome. The Special Issue will include (but will not be limited to) the following topics: feedstock modification, rheology, microstructural and mechanical characterization, and finite element modeling, among others.

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