



Research and Applications of Computer-Aided Technologies for Additive Manufacturing

Guest Editor:

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Message from the Guest Editor

Additive manufacturing (AM), or 3D printing, is the process of building 3D objects from computer-aided design (CAD) programs in a layer-by-layer manner. Because of the freedom of fabrication, rapid and low-cost prototyping, and reduction in material waste, AM has become the critical industrial technique for innovative, sustainable, and customized products. As a result, there will be increasing demand for a software ecosystem that enables Computer-Aided Technologies (CAx) supporting the design, simulation, and process planning for AM. To keep up with the advancements in AM and to overcome the many challenges that AM faces today, we welcome you to this Special Issue of “Research and Applications of Computer-Aided Technologies for Additive Manufacturing” to submit papers in the field of AM and its related topics. This includes but is not limited to new AM technologies, process optimization, pre- and post-processing technologies and approaches, modeling AM processes, inspection processes and quality evaluation, design and simulation in AM, and any other interesting research topics regarding 3D printing (AM).





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Message from the Editor-in-Chief

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