Special Issue

Advances in Additive Manufacturing of Mechanical Equipment

Message from the Guest Editor

Additive manufacturing (AM), also known as 3D printing, has become a transformative technology in the manufacturing industry, fundamentally changing the way we design, produce, and use mechanical equipment. However, in both the academic and industrial communities, there are still some challenges facing additive manufacturing that may slow down its development and application in the mechanical field. Therefore, on the one hand, identifying the causes and finding possible solutions can improve the efficiency of AM technology. On the other hand, effectively applying additive manufacturing methods to the design and manufacture of mechanical equipment can greatly improve the performance, reliability, and productivity of machinery. The scope of this Special Issue includes papers in all areas of additive manufacturing, particularly the fabrication mechanisms in the additive manufacturing of mechanical equipment and their association with the product properties, will be considered. Keywords:

- advanced additive manufacturing technology
- additive manufacturing process simulation
- additive manufacturing applications
- process monitoring and control

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2024)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/175776

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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.

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