



Advances in Additive Manufacturing of Mechanical Equipment

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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





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Message from the Editor-in-Chief

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