



## Progress in Metals Additive Manufacturing: From New Design to New Materials and Post Processing

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submissions:

**closed (15 July 2020)**

### Message from the Guest Editor

Dear Colleagues,

Additive manufacturing (AM) includes a set of processes in which a complex component can be produced in a layerwise fashion using the heating provided by a laser or electron source. Metals Additive Manufacturing (AM) is a rapidly growing manufacturing capability. This technology is expected to revolutionize the fabrication of metallic parts, where complex geometries, highly customized parts, small part production numbers and/or lead-time saving, play a decisive role. Nonetheless, despite all the remarkable efforts, there are significant challenges that are limiting the wider uptake and exploitation of metals AM, spanning across the entire metal AM supply chain. These include a lack of AM design and modelling skills and software, a gap in understanding in properties obtained from different machines and technologies, and an incomplete understanding of the causes of part quality variation and their effect on part failure.

We invite you to submit reviews and articles in the areas of material supply, part design, process modelling, process technology, post-processing techniques and applications of metals AM.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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