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State of the Art in Materials for Additive Manufacturing

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Additive manufacturing (AM), also known as 3D printing, has advanced significantly in recent years. The advancements in AM have often been coupled with materials' development, especially as AM has been proven to be viable in processing established materials for conventional manufacturing processes. Furthermore, many materials which were previously challenging to fabricate have been shown to be viable using 3D printing.

In this Special Issue, state-of-the-art reviews and current research results which focus on new materials for AM will be reported. This includes, but is not limited to, new alloys, composites, polymers, and concrete, conductive, magnetic, and smart materials. Submissions related to novel applications, designs, processes, or characterization methods for such materials are also welcomed.

Contributions focused on the following topics are of particular interest:

- Novel materials for AM;
- New processes using AM;
- New applications in 3D printing;
- Characterization techniques for 3D-printed materials;
- Standards and quality control in materials for 3D printing.



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Special Issue



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Message from the Editor-in-Chief

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