



Recent Advances in Additive Manufacturing Techniques

Guest Editor:

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Message from the Guest Editor

As one of the most revolutionary technologies in the manufacturing industry, additive manufacturing (AM) has been developing at a rapid pace and attracting surging attention. AM is a new technology that integrates advanced manufacturing, intelligent manufacturing, green manufacturing, new materials, and precision control. Therefore, this Special Issue aims to provide a platform for researchers to publish their novel findings covering recent key developments and innovations in additive manufacturing techniques.

We welcome the submissions of original research papers or reviews that focus on additive manufacturing from multiple materials, methodologies, and applications perspectives. Topics can include but are not limited to:

- Optimized modeling and topology optimization for additive manufacturing;
- Innovative materials for additive manufacturing;
- Recent applications of additive manufacturing technologies in diverse areas;
- Advanced additive manufacturing technologies ;
- Microstructure and mechanical properties of additive manufacturing materials;
- In-situ monitoring/closed-loop control of additive manufacturing processes.

We look forward to receiving your contributions.





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Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

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