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Additive Manufacturing of Metallic Structures: Process and Applications

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Message from the Guest Editors

The additive manufacturing of metals enables the development of complex structures through the sintering of powder, layer by layer, following a CAD-defined design. This technology has grown rapidly in recent years due to the significant benefits that it can bring to high-performance industrial sectors such as aerospace and mechanical engineering.

This Special Issue aims to highlight the latest advances in the field of metal structures designed for additive manufacturing and their applications in various sectors.

Potential topics include, but are not limited to:

- New testing and evaluation methods for component performance from metal additive manufacturing;
- The design and manufacture of lightweight metallic structures in additive manufacturing;
- Hybrid structures designed for additive manufacturing;
- Lattice structures;
- Energy-absorbing structures;
- Finite element analysis of structures designed for additive manufacturing;
- Recent advances in the application of metal additive manufacturing.





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Message from the Editor-in-Chief

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