



## Advanced Welding Technologies and Additive Manufacturing of Alloys and Metals (2nd Edition)

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### Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on the latest results of research on the welding and additive manufacturing technology of advanced metal materials, including the microstructure, mechanical properties, and quality control of welding and additive manufacturing based on heat sources such as arcs, lasers, and electron beams.

The key areas of focus are new strengthening mechanisms, the relationship between microstructure and properties, new microstructure control technologies, process stability, and on-line defect detection methods.

The current Special Issue aims to explore the advanced welding and additive manufacturing of alloys and metals and study the basic principles of microstructure and property regulation. The articles presented in this Special Issue will address various topics, ranging from the exploration of advanced welding technologies to microstructure regulation and the performance improvement of alloys and metals.





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## Message from the Editor-in-Chief

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