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Dissimilar Metals and Alloys: Microstructure and Mechanical Properties in Laser Welding

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Message from the Guest Editors

The use of laser welding in dissimilar metals and alloys has gained significant attention in recent years due to its unique advantages in achieving high-quality joints. However, the microstructure and mechanical properties of these joints are affected by several factors, including the composition of the materials, welding parameters, and post-welding treatments. Therefore, this Special Issue aims to provide a comprehensive understanding of the microstructure and mechanical properties of dissimilar metal and alloy joints produced using laser welding.

The Special Issue welcomes original research articles, reviews, and short communications on topics related to dissimilar metal and alloy laser welding, including but not limited to microstructure and mechanical properties of laser-welded dissimilar metals and alloys.

Overall, this Special Issue provides a platform for researchers and practitioners to share their latest findings, insights, and experiences on dissimilar metal and alloy laser welding. The aim is to advance the state of the art in this field and promote the development of new techniques and applications for laser welding.

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Message from the Editor-in-Chief

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