Special Issue

Advances in Dissimilar Welding and Joining

Message from the Guest Editor

I am very happy to inform you of the launch of a Special Issue named 'Advance in Dissimilar Welding and Joining' by the journal *Metals*. The need for joining dissimilar metallic materials is of primary importance in the design of components. This is because we are living in the era of multi-materials, where lightweight solutions or materials with enhanced mechanical and thermal properties are achieved by combinations of different materials and used in sectors such as the shipping, aviation, and automobile industries. The joining of dissimilar materials is very challenging, since mismatches between physical, chemical, thermal, and mechanical properties can tremendously impact the goal of obtaining a sound joint. This Special Issue aims to collect new advances in this research field. Therefore, due to your expertise in the field, I invite you to submit works focusing on the welding and joining of dissimilar metallic materials.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2023)

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About the Journal

Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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