



Advances in Welding Processes of Metallic Materials

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Message from the Guest Editor

Dear Colleagues,

Welding and joining, as the earliest connection methods used by human beings, have been used for a very long time. Welding and joining are widely used in various fields and have received great attention in recent years due to the development of aviation, aerospace, nuclear energy, electronics and other new technologies.

This Special Issue, titled “Advances in Welding Processes of Metallic Materials”, welcomes welding and joining processes of all kinds of materials. The following aspects are considered: process optimization; experiments; simulation; metallurgical behavior; intermetallic compound; fracture behaviors of all joints welded/joined using all kinds of welding methods.





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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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