

Special Issue

Advances in Welding Processes of Metallic Materials—2nd Edition

Message from the Guest Editor

Welding and joining, as the earliest connection methods used by human beings, have been employed for a very long time. Welding and joining are extensively utilized in various fields and have received significant attention in recent years due to the development of aviation, aerospace, nuclear energy, electronics and other novel technologies. This Special Issue, entitled “Advances in Welding Processes of Metallic Materials—2nd Edition”, welcomes the submission of articles that address the welding and joining of all kinds of materials. The scope of this Special Issue includes, but is not limited to, the following topics: process optimization; experiments; simulation; metallurgical behavior; intermetallic compounds; and the fracture behavior of welded/joined joints using various welding methods.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Yong Zhang

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