

Special Issue

Fusion Welding

Message from the Guest Editors

The welding process is still the basic technology for joining conventional and modern construction materials, ensuring high-quality joints. This process is characterized by many specific features associated with the variable temperature field and with variations in a wide range of physical and mechanical properties of the welded material. I invite you to send scientifically valuable articles for a Special Issue entitled "Fusion Welding". Its scope is very wide and covers virtually all welding technologies, as well as monitoring, diagnostics, and process simulation. I suggest that articles relate to advanced welding methods, unconventional welding solutions or be focused on combining high-strength materials, both steel and nonferrous, as well as nanostructured. Studies on the monitoring of fusion welding processes as well as work on computer analysis of phenomena occurring in the welded area are also welcome. Knowing the *Metals* journal perfectly, I am sure that this is a place where it is worth publishing your research results for dissemination on a wide scale.

Guest Editors

Prof. Dr. Jacek Górká

Prof. Dr. Tomasz Węgrzyn

Prof. Dr. Bożena Szczucka-Lasota

Deadline for manuscript submissions

closed (15 January 2024)



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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.7 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).

