

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 Górka
Prof. Dr. Tomasz Węgrzyn
Prof. Dr. Bożena Szczucka-Lasota

Deadline for manuscript submissions

closed (15 January 2024)



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Metals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metals@mdpi.com

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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

Beijing Advanced Innovation Center of Materials Genome Engineering,
State Key Laboratory for Advanced Metals and Materials, University of
Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083,
China

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 18.7 days after
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the second half of 2025).