



## Fusion Welding, 2nd Edition

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Deadline for manuscript  
submissions:

**closed (20 May 2025)**

### Message from the Guest Editor

Dear Colleagues,

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 are related to advanced welding methods, unconventional welding solutions or are 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 the computer analysis of phenomena occurring in the welded area are also welcome. I believe that the *Metals* journal is a journal where it is worth publishing your research results for dissemination to a wide audience.





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## Editor-in-Chief

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## 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.

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