

## Special Issue

# Advances in Welding and Mechanical Joining of Metals

### Message from the Guest Editor

The latest advancements in welding and mechanical joining have enhanced the performance and integrity of assembled components and joining together dissimilar materials that cannot be addressed with conventional methods. This Special Issue aims at collecting contributions about recent advances in welding and mechanical joining. Contributions can include but are not limited to: - New welding and mechanical joining technologies;

- Solid-state welding processes;
- Fusion welding processes;
- Mechanical joining;
- Hybrid welding and mechanical joining processes;
- Process optimization of advanced welding and mechanical joining processes;
- Monitoring and control of advanced welding and mechanical joining processes;
- Numerical simulation of advanced welding and mechanical joining processes;
- Development of innovative tools and equipment;
- Mechanical and microstructural characterizations of the assembled parts and joints.

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### Guest Editor

Dr. Pasquale Russo Spena

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### Deadline for manuscript submissions

closed (20 June 2024)



## Metals

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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.

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### Editor-in-Chief

Prof. Dr. Yong Zhang

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#### Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) /  
CiteScore - Q1 (Metals and Alloys)

#### Rapid Publication:

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).