

## Special Issue

# Intelligent Metal Manufacturing and Formation Technology

### Message from the Guest Editor

The generation of information technology and artificial intelligence (such as the Internet of Things, big data, mobile internet, cloud and edge computation, machine learning, computer vision, virtual reality, digital twins and so on) is being used to empower the manufacturing industry. It has also promoted the development of intelligent manufacturing technology. This trend has brought with it a number of innovative designs, equipment, processes, systems, management, services and modes in the Industry 4.0 era. In this Special Issue, we welcome articles that focus on the intelligent design of advanced metallic materials, intelligent manufacturing and the formation of metallic products. Additive manufacturing and advanced formation processes, intelligent equipment and systems, intelligent molds and dies, and intelligent production lines and factories remain of particular interest; these have enormous potential in the application of the new generation of information technology and artificial intelligence for metal manufacturing and formation.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 September 2024)



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## About the Journal

### Message from the Editorial Board

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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### Editors-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).