# Special Issue

# Digitalization and Advanced Software Support of the Steelmaking Industry

# Message from the Guest Editors

Digitalization, advanced software support and optimized manufacturing practices are becoming a must in modern efficient industry. The areas of ironmaking and steelmaking are no exception since the increased market and environmental demands are higher than ever. High product quality standards, lower resource use, and the goals of reaching CO2 neutrality in the notso-far future are encouraging researchers all over the world to devote extensive efforts to finding improved manufacturing practices and more efficient processes. This Special Issue addresses new approaches and solutions in the digitalization of the steelmaking industry, which aim to improve different steelmaking processes in terms of their control, efficiency, reliability, and environmental impact. Manuscripts dealing with the practical implementation of the proposed solutions, their practical validation, and the before/after evaluation of their efficiency for a given process are highly desirable.

#### **Guest Editors**

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## Deadline for manuscript submissions

closed (31 March 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 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).

