

## Special Issue

# Learning from Metal: Machine Intelligence in Forming Processes

### Message from the Guest Editor

Machine intelligence is increasingly making its mark on mechanical engineering, driven by the growing availability of datasets and advancements in computer performance. There is growing interest in exploring the use of data-driven decision-making applications in various forming processes, including detecting and predicting forming defects; identifying material parameters; modeling materials; selecting processes; and optimizing process designs. This Special Issue aims to highlight the latest applications of machine intelligence in forming processes. We welcome submissions of full papers, reviews, and communications addressing these topics and related areas.

### Guest Editor

Dr. Pedro Prates

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### Deadline for manuscript submissions

closed (31 December 2024)



## Metals

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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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JCR - Q2 (Metallurgy and Metallurgical Engineering) /  
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#### Rapid Publication:

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).