# **Special Issue**

# Advances in Microstructural Characterization of Metallic Materials

## Message from the Guest Editor

The application of these advanced microstructural characterization techniques has provided new insights into the structural and chemical features that determine the properties of metallic systems. The objective of this Special Issue is to bring together a collection of articles about the latest developments in microstructural characterization techniques and their applications. The scope of the issue is intentionally broad and will cover all aspects of imaging, diffraction and spectrometry using beams of electromagnetic radiation, electrons, ions, and other particles. It will also encompass related techniques such as atom probe tomography and scanned probe microscopy. The issue will include articles describing the application of such techniques to metallic systems, ranging from conventional ferrous and non-ferrous alloys to more exotic materials, including metallic glasses, quasicrystals and high-entropy alloys.

## **Guest Editor**

Prof. Mark Aindow

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### Deadline for manuscript submissions

closed (30 June 2019)



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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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#### **Author Benefits**

### **High Visibility:**

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

### **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 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).

