# **Special Issue**

# Heterogeneities in Metallic Glasses

## Message from the Guest Editors

Research on metallic glasses started in 1960 after Duwez et al. demonstrated the formation of an Au-Si metallic glass ribbon. In the end of the 1980s and the beginning of the 1990s, the topic gained popularity due to the development of bulk metallic glasses of several millimeters in diameter. Still, only recently did it become possible to directly look at the structure at the atomic level and test properties on nanometer scales. This has demonstrated that the structure of metallic glasses is not homogeneous at this level. Therefore, a lot of research is dedicated towards tailored heterogeneous metallic glasses, including glasses with crystalline inclusions and glasses with chemical or structural heterogeneities. We want to dedicate this Special Issue to the investigations of the heterogeneous structure of metallic glasses and their influence on mechanical or functional properties. The Special Issue welcomes original research papers and reviews on the production of metallic glasses containing heterogeneities, their structural analysis with advanced experimental techniques, and on computer simulations targeted at the atomic configuration and the effect of heterogeneities.

#### **Guest Editors**

Dr. Christoph Gammer

Dr. Sergey Ketov

Prof. Jürgen Eckert

## Deadline for manuscript submissions

closed (31 May 2021)



# **Metals**

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.3



mdpi.com/si/28685

Metals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metals@mdpi.com

mdpi.com/journal/ metals





# **Metals**

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.3



# **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

Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

#### **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).

