



Multi-scale Simulation of Metallic Materials (2nd Edition)

Guest Editor:

Dr. Changming Fang

BCAST, Brunel University
London, Uxbridge UB8 3PH, UK

Deadline for manuscript
submissions:

30 October 2024

Message from the Guest Editor

Dear Colleagues,

Metallic materials include elemental metals and compounds or alloys. Today, they are one of the most important engineering materials and are additionally widely utilized as biomaterials. Present developments have led to an increasing demand for diverse new metallic materials, in addition to sustainable recycling, digital manufacturing, and environment- and climate-friendly production of devices and parts. Therefore, obtaining comprehensive knowledge regarding metallic materials on scales ranging from the atomic, micro-, meso- and macroscopic level has gained importance as of late. Correspondingly, multiscale simulations which combine existing and emerging methods are being employed to incorporate the wide range of time and space scales that are inherent to various disciplines. This Special Issue, therefore, aims to improve our understanding of complex metallic materials in a timely manner.





an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Hugo F. Lopez

Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Metallurgy and Metallurgical Engineering*) / CiteScore - Q1 (Metals and Alloys)

Contact Us

Metals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/metals
metals@mdpi.com
[X@Metals_MDPI](https://twitter.com/Metals_MDPI)