

## Special Issue

# Analysis, Design, Simulation and Practice of Aluminum Alloy Structures

### Message from the Guest Editors

Aluminum alloy has the advantages of having a light weight, high strength, low temperature resistance, good corrosion resistance, good modulability, high recyclability, and so on. It is widely used in a variety of engineering fields, especially in structures under special environments. As a new type of high-performance engineering structure material, aluminum alloy has a broad prospect in the aspects of multi-modal material performance characterization, diverse component and joint form research and development, and new structural system innovation. The topics of this issue include the analysis, design, simulation, and practice of aluminum alloy structures and aluminum-based composite structures. Original papers of a high standard dealing with all aspects of aluminum alloy structure research including material properties under different temperature and stress conditions, various forms of components, connections, joints, and new structural system behaviors are considered for publication.

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### Guest Editors

Prof. Dr. Zhihua Chen

Prof. Dr. Qilin Zhang

Prof. Dr. Yuanqing Wang

Prof. Dr. Hongbo Liu

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### Deadline for manuscript submissions

closed (20 July 2024)



## Metals

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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.

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### Editor-in-Chief

Prof. Dr. Yong Zhang

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