

## Special Issue

# Modelling, Test and Practice of Steel Structures

### Message from the Guest Editors

Steel structures are widely used in recent decades in civil engineering, such as large spatial structures, high-rise buildings and bridges. As the development of technique and economy, steel structures are increasingly popular in fabricated industry and residential buildings. Modelling and test are main methods to realize the behaviors of steel structures including the bearing capacity, the ductility and the seismic performance, etc. Some key problems maybe proposed and solved in practical engineering. This special issue provides an international forum for the presentation and discussion of the latest developments in structural steel research and their applications. The topics of this issue include the modelling, test and practice of steel structure, steel-based composite structures. Original papers of a high standard dealing with all aspects of steel structures research including modelling, test and construction research on material properties, component, assemblages, connection and structural behaviors are considered for publication.

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### Guest Editors

Prof. Dr. Zhihua Chen

Prof. Dr. Hanbin Ge

Prof. Dr. Siu-lai Chan

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### Deadline for manuscript submissions

closed (1 May 2022)



## 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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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).