

## 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.

### Guest Editors

Prof. Dr. Zhihua Chen  
Prof. Dr. Hanbin Ge  
Prof. Dr. Siu-lai Chan

### Deadline for manuscript submissions

closed (1 May 2022)



## Metals

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*Metals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[metals@mdpi.com](mailto:metals@mdpi.com)

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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

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

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manuscripts are peer-reviewed and a first decision is  
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