

Special Issue

Phase Transformations in Metallic Glass

Message from the Guest Editors

In the material world, metallic glass constitutes an attractive and unusual class of advanced materials in both fundamental studies and practical structural applications. Their amorphous structure without long-range periodicity means metallic glasses have excellent and unique properties and tunable glass states with different atomic structures and energies. The nature of glass is one of the most intriguing and unsolved issues in materials science and condensed-matter physics. It is known that phase transformations provide approaches to modulate the structures and properties of metallic glass, and they also provide valuable opportunities to gain in-depth understanding of the nature of glass. For this Special Issue, we welcome cutting-edge research focusing on phase transformations in metallic glass and their effects on the structure and properties of materials. The Special Issue aims to outline the fundamental development trends in phase transformations of metallic glass, including crystallization, liquid-to-liquid transition, glass-to-glass transition, and related engineering applications.

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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.

Editor-in-Chief

Prof. Dr. Yong Zhang

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