



Formation, Mechanical Properties and Thermal Stability of Bulk Metallic Glasses

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Message from the Guest Editor

Dear Colleagues,

Most metals do crystallize as they cool down, arranging their atoms into a highly regular three-dimensional pattern. If crystallization does not occur and the atoms remain into a nearly random arrangement, the resulting material is called a “metallic glass”. During the last 30 years, advances have been made in this field as a result of the discovery and development of several families of alloys with substantially improved glass forming ability. These new alloys are referred to as bulk metallic glasses “BMG”.

This Special Issue on “Glass Formation, Processing, Thermal Stability, Mechanical and Magnetic Properties of Bulk and Nanocrystalline Metallic Glasses” intends to collect the latest developments in this area, written by well-known scientists who have significantly contributed to this field.





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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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