

Special Issue

Prediction of Phase Stability and Mechanical Properties of Novel Alloys

Message from the Guest Editors

The development of new materials has triggered and often revolutionized technological progress. Some of the human ages are named after the discovery of new materials, such as the Bronze Age and the Iron Age, since these metals allowed significant development of humanity in many ways. At the present time, the amount and types of materials used are vast, and modern applications in energy, aeronautics, automotive, space, chemical, machinery, electrical, scientific equipment, construction, packaging, computing, and health are hardly conceivable without the use of materials with properties that suit their purposes. This Special Issue of *Metals* on “Prediction of Phase Stability and Mechanical Properties of Novel Alloys” responds to the above-mentioned requirements for new materials. The areas of interest will cover the development of new and unexplored alloys with the use of predictive approaches for the purpose of explaining and predicting their microstructural and/or mechanical properties.

Guest Editors

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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.

Editors-in-Chief

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