Special Issue

Advanced High Strength Steels: Properties and Applications

Message from the Guest Editors

Physical metallurgy is the root of the vigorous development of modern materials science. The physical metallurgy of steel is an important part of ironmaking and steelmaking. The main research scope of this field is the evolution of microstructures and the changes in properties during processing and heat treatment after the solidification of chemical metallurgy products. The main problem in steel production in terms of physical metallurgy is the relationship between process, structure, and properties. In-depth study of microstructures could reveal the mechanism behind various appearances and promote the progress of process technology and the development of advanced materials.

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.

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