Special Issue

Advanced Rolling, Heat Treatment and Electromagnetic Processing Technology of High Performance Metals (Second Edition)

Message from the Guest Editors

Rolling and heat treatment are essential processes in the manufacturing process of any basic component, which directly determine the final performance and service life. The question of how to achieve better performance while realizing the geometric shape of components has become constant topic of debate in industrial development. Meanwhile, electromagnetic processing technology shows
great potential as a novel method in property improvement, which has a wide application prospect in the advanced manufacturing of basic components. To advance the development of processing technology of high-performance metals, it is very important to find out the relationship between microstructure and properties in the process of rolling forming, heat treatment and electromagnetic processing. We are pleased to invite you to submit your research paper to this Special Issue. The Special Issue covers a wide range of topics, including advanced rolling forming, heat treatment and electromagnetic processing technology of all kinds of metals.

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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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