

Special Issue

Advanced Technology in Microalloyed Steels

Message from the Guest Editors

The addition of small amounts of Nb, Ti, or V singly or in combination has been the key to producing high-strength steels at a low cost. Microalloyed steels are now commonplace in a huge variety of applications. The subject of microalloyed steels interacts significantly with many aspects of metallurgy such as strengthening mechanisms, toughness, ductility, hot working, cold working and recrystallization, non-metallic inclusions, precipitation and phase transformation, grain refinement, weldability, etc. With a view to new microalloying technologies in high-strength steels, we offer this Special Issue entitled "Frontiers in Microalloyed Steels". The purpose of this Special Issue is to organize information about the interactions between processing and microstructural development and the effect of microalloying additions to provide a basis for the control of the microstructure, and hence the properties, in microalloyed steels subjected to industrial heat treatments and hot working practices.

Guest Editors

Prof. Dr. Minghui Cai

Dr. Shuai Tang

Dr. Shengjie Yao

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Metals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metals@mdpi.com

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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

Prof. Dr. Hugo F. Lopez

Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

Prof. Dr. Yong Zhang

Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

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