Special Issue

Advanced Multiphase Steels

Message from the Guest Editor

We are currently experiencing an increasingly fast development of new steel grades with complex multiphasic microstructures that are attempting to give tailored answers to the industrial demands. The need for improved microstructural/mechanical characterization techniques, simulations, and models to characterize, understand, and predict the phase transformation and the mechanical behavior of multiphase steels, under either monotonous strain conditions or complex stress states, is of key significance to achieve optimized solutions.

For this Special Issue on “Advanced Multiphase Steels”, I would like to cordially invite all researchers from the steel industry and research groups to submit their latest developments and achievements in this field with the aim of casting more light on the abovementioned aspects related to these challenging and fascinating steels. Works that focus on physical metallurgy, new characterization techniques, and mechanical performance are especially encouraged

Guest Editor

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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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