Special Issue

Computer Methods in Metallic Materials

Message from the Guest Editors

The permanent development of computer methods is of great interest in the field of metallic materials, as its integration supports the increasing necessity to solve complex problems in numerical modelling involving physical phenomena.

The aim of this Special Issue “Computer Methods in Metallic Materials” is to disseminate numerical advances which have been achieved through the development and integration of new software, numerical models, and simulation techniques. Other areas of interest are related to data processing and machine learning models, or non-destructive testing (NDT) techniques. Such development of computer methods allows the exploration and introduction of new areas of study within metallic materials, such as metal forming, casting, nanotechnology, additive manufacturing processes of metals, as well as optoelectronic, magnetic, electronic and imaging technologies.

We are pleased to invite researchers, manufacturers, and end users to contribute to this Special Issue, which also welcomes review and perspective manuscripts.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

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