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Phase Transformations in Metallic Materials

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Deadline for manuscript submissions:
closed (20 July 2020)

Message from the Guest Editor

Dear Colleagues,

Several metallic materials experience phase transformations during thermo/mechanical treatments, or when in service. These phase transformations can have a reversible or irreversible character and each lead to different properties. Therefore, fundamental understanding of the phase transformation characteristics and mechanisms in advanced materials is a topic of extreme relevance nowadays.

With this Special Issue, we invite contributions in the form of original research articles or reviews that address or elucidated on any type of phase transformation in metallic alloys systems. The scope of this Special Issue is not only limited to fundamental research and also welcomes works concerning any application where phase transformations are somehow involved.

Prof. João Pedro Oliveira
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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