Special Issue

Processing-Structure-Property Relationships in Metals

Message from the Guest Editors

In the industrial manufacturing of metals, the achievement of products featuring desired characteristics always requires the control of process parameters in order to get a suitable microstructure. The strict relationship among process parameters, microstructure, and mechanical properties is a matter of interest in different areas, such as foundry, plastic forming, sintering, welding, etc., and regards both well-established and innovative processes. Nowadays, circular economy and sustainable technological development are dominant paradigms and impose an optimized use of resources, a lower energetic impact of industrial processes and new tasks for materials and products. In this frame, this Special Issue covers a broad range of research works and will contain research and review papers. We do hope the Special Issue of *Metals* will gather manuscripts from academic and industrial researchers, will lead to fruitful international networking and cooperation, as well as stimulating new ideas and investigations.

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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