Special Issue

Intelligent Metal Manufacturing and Formation Technology

Message from the Guest Editor

The generation of information technology and artificial intelligence (such as the Internet of Things, big data, mobile internet, cloud and edge computation, machine learning, computer vision, virtual reality, digital twins and so on) is being used to empower the manufacturing industry. It has also promoted the development of intelligent manufacturing technology. This trend has brought with it a number of innovative designs, equipment, processes, systems, management, services and modes in the Industry 4.0 era. In this Special Issue, we welcome articles that focus on the intelligent design of advanced metallic materials, intelligent manufacturing and the formation of metallic products. Additive manufacturing and advanced formation processes, intelligent equipment and systems, intelligent molds and dies, and intelligent production lines and factories remain of particular interest; these have enormous potential in the application of the new generation of information technology and artificial intelligence for metal manufacturing and formation.

Guest Editor

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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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