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Shape Memory Alloys 2020

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Message from the Guest Editor

Dear Colleagues,

Shape memory alloys (SMAs), in comparison with other materials, have the exceptional ability to change their properties, structures, and functionality depending on the thermal, magnetic, and/or stress fields applied. In this Special Issue of *Metals*, we are interested in providing an overview of the latest developments of this type of materials, ranging from recent findings from a fundamental point of view, passing through the synthesis and processing methods and going up to the newest discoveries and potential applications in different fields.

As is well-known, in recent decades, the development of SMAs has allowed innovative solutions and alternatives in biomedical applications, advanced engineering structures for aerospace and automotive industries, as well as in sensor and actuation systems, among other sectors. Therefore, contributions on advances in synthesis and processing technologies, as well as new developments in these research fields, both from academic and applied researchers are welcome in this Special Issue.

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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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