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Metallurgy by Severe Plastic Deformation

Guest Editors:

Prof. Dr. Laszlo S. Toth

1. Laboratory of Excellence on Design of Alloy Metals for Low-Mass Structures, Lorraine University, Metz-Nancy, France
2. Institute of Physical Metallurgy, Metalforming and Nanotechnology, University of Miskolc, Miskolc, Hungary

Prof. Dr. Hyoung Seop Kim

Department of Materials Science and Engineering, Pohang University of Science and Technology (POSTECH), Pohang, Korea

Message from the Guest Editors

Severe plastic deformation (SPD) has become a well-established mechanical metallurgy process to improve the mechanical/physical/chemical properties of metals. The present Special Issue aims to compile the state of the art in the field of SPD research through high-level papers, proposed by excellent research groups active in the field of SPD. The main aim is to show that SPD processes are able to change the metallurgical state of metals, so it should be recognized as an efficient process to perform metallurgical transformations in metals. All fields of SPD research are included—experimental as well as simulation/modeling. Propositions are especially expected to solve the two main problems of SPD materials: low formability and low thermal stability of the microstructures, which currently represent the price to pay for the extremely high elastic limits in metals that undergo SPD.

Deadline for manuscript submissions:

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Special Issue



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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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