

## Special Issue

# Synthesis and Properties of Bulk Nanostructured Metallic Materials

### Message from the Guest Editor

Bulk nanostructured materials (BNMs) are defined as polycrystalline bulk solids with nanocrystalline (NC) or ultrafine-grained (UFG) microstructures. These BNMs have received increasing attention because of the potential of their improved properties and promising applications compared to conventional coarse-grained materials with the same chemical compositions. Research on the synthesis and properties of BNMs is one of the most emerging fields in advanced structural materials systems. This Special Issue covers a wide scope in the research field of BNMs, and we cordially invite original research articles and reviews of the recent achievements on the following subjects of BNMs: Synthesis and processing techniques; Development of novel experimental method; Advances in severe plastic deformation (SPD) processing and SPD materials; Powder processing and powder metallurgy materials; Deformation mechanisms and experimental mechanics; Mechanical and physical properties; Microstructural evolution and characterization; Computational and analytical modeling; Structural, functional, and biomedical applications.

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### Guest Editor

Prof. Dr. Byungmin Ahn  
Department of Materials Science and Engineering, Ajou University,  
Suwon 16499, Korea

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### Deadline for manuscript submissions

closed (31 December 2017)



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*Metals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[metals@mdpi.com](mailto:metals@mdpi.com)

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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.

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### Editor-in-Chief

Prof. Dr. Yong Zhang

Beijing Advanced Innovation Center of Materials Genome Engineering,  
State Key Laboratory for Advanced Metals and Materials, University of  
Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083,  
China

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