Special Issue

Metal Alloys: Design, Manufacturing, Micro/Nano Structure Characterization

Message from the Guest Editors

Metallic materials, especially high-entropy alloys (HEAs), are an exotic class of materials that possess desirable properties, such as exceptional micro/nano structures and single-phase formation. These features, in turn, contribute to attractive material properties, such as high strength and excellent softening resistance at elevated and cryogenic temperatures. In terms of composition, HEAs contain five or more elements in amounts ranging from 5 to 35 atomic percent (at. %) each, resulting in a vast compositional space that is still mainly unexplored to this day.

The purpose of this Special Issue is to provide a collection of articles on "Metal Alloys: Design, Manufacturing, Micro/Nano Structure Characterization" with the aim of publishing research articles and comprehensive reviews on current experimental and theoretical results for metallic materials. Specific topics of interest include, but are not limited to, new alloy design strategies, manufacturing (casting, additive manufacturing, thin-film manufacturing, etc.) phase stability and multi-scale structural evolution, and mechanical behaviors.

Guest Editors

Dr. Chanho Lee

Department of Materials and Mechanical Engineering, Auburn University, Auburn, AL 36849, USA

Dr. Sumit Suresh

Materials Physics and Applications-Center for Integrated Nanotechnologies (MPA-CINT), Los Alamos National Laboratory, Los Alamos, NM 87545, USA

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Micromachines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
micromachines@mdpi.com

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You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

Editor-in-Chief

Prof. Dr. Ai-Qun Liu

- 1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China
- 2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

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