## **Special Issue**

# Alloy Design and Microstructural Control of Structural Intermetallic Alloys

## Message from the Guest Editor

Structural intermetallic alloys have high potential for use as high-temperature structural materials that are both wear- and corrosion-resistant, which makes them suitable for use as components of gas turbine engines or high-temperature tools working in severely oxidizing or corrosive environments. In this Special issue, we will cover the subjects of processing, alloy design, phase relation, microstructure, relationship between (micro)structure and (mechanical) properties, and development to advanced applications, among others. Moreover, articles dealing functional intermetallic alloys whose performance is directly or indirectly associated with mechanical properties are broadly solicited. It is hoped that this issue will serve as a platform for everyone—not only those who are currently developing advanced intermetallic alloys based on new concepts but also who are interested in this field.

#### **Guest Editor**

Prof. Dr. Takayuki Takasugi

Department of Materials Science, Osaka Prefecture University, Gakuencho 1-1, Naka-ku, Sakai, Osaka 599-8531, Japan

#### Deadline for manuscript submissions

closed (30 September 2021)



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

mdpi.com/journal/ metals





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## **About the Journal**

## 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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## Prof. Dr. Hugo F. Lopez

Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

## 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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