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Forming and Properties of Lightweight Alloys

Guest Editors:

Dr. Xiaohui Cui

State Key Laboratory of Precision Manufacturing for Extreme Service Performance, Light Alloys Research Institute, Central South University, Changsha 410083, China

Dr. Yingchun Wan

State Key Laboratory of Precision Manufacturing for Extreme Service Performance, Light Alloys Research Institute, Central South University, Changsha 410083, China

Prof. Dr. Yuqiang Chen

School of Materials Science and Engineering, Hunan University of Science and Technology, Xiangtan 411201, China

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Message from the Guest Editors

Dear Colleagues,

With the urgent need for weight reduction in aerospace vehicles, lightweight structural materials with excellent mechanical properties, especially those represented by aluminum alloy, magnesium alloy, and titanium alloy, have become the focus of aerospace research. In recent years, many forming technologies have been developed to improve the performance of lightweight metal materials. This special issue covers these topics and focuses on the forming process, microstructure evolution, and service performance of lightweight metal materials.

For this Special Issue, we look forward to receiving submissions in any form, including review articles, regular research articles, and short communications. Both experimental and theoretical studies are of interest.

Dr. Xiaohui Cui Dr. Yingchun Wan Prof. Dr. Yuqiang Chen











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Editors-in-Chief

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

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 metallurgical field the ranging from processing. and mechanical behavior. phase transitions microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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