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# **Thermomechanical Treatment of Metals and Alloys**

Guest Editor:

# Dr. Igor Yu. Litovchenko

Institute of Strength Physics and Materials Science of the Siberian Branch of the Russian Academy of Sciences, 634055 Tomsk, Russia

Deadline for manuscript submissions: closed (30 June 2023)

### Message from the Guest Editor

Dear Colleagues,

This Special Issue addresses the effect of various thermomechanical treatments on structural phase states, deformed microstructure, and mechanical properties of a wide range of metallic materials, including pure metals, steels, and alloys. Your articles considering the role of strengthening mechanisms (solid solution, grain boundary, substructural, dispersion, etc.) in ensuring the mechanical properties of metals and allovs under anv thermomechanical treatments are highly welcome. The alloy properties in focus can be short-term strength and ductility at low and high temperatures, long-term and fatigue strength, creep and toughness, as well as functional properties. You are invited to submit both theoretical and experimental papers.

We are looking forward to your contributions to this Special Issue.









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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

### 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