



Microstructure—Mechanical Property Relationships in High-Strength Steels

Guest Editors:

Prof. Dr. Koh-ichi Sugimoto

School of Science and
Technology, Department of
Mechanical Systems Engineering,
Shinshu University, 4-17-1
Wakasato, Nagano 380-8553,
Japan

Dr. Tomohiko Hojo

Institute for Materials Research,
Tohoku University, 2-1-1
Katahira, Aoba-ku, Sendai 980-
8557, Japan

Deadline for manuscript
submissions:

closed (31 March 2024)

Message from the Guest Editors

This Special Issue of *Metals* has as its focus the microstructure–mechanical property relationships in (1) traditional high-strength steels such as ferritic/pearlitic steels, precipitation-hardening steels, bainitic/martensitic steels, maraging steels, stainless steels, bearing steels, spring steels, rail steels, etc. Additionally, we intend to highlight (2) advanced high-strength steels such as dual-phase steels, complex phase steels, low-alloy TRIP-aided steels with a different matrix structure, medium-/high- Mn steels, medium-/high- entropy steels, low-density steels, etc. In addition to inviting submissions on these topics, we also welcome research articles on mechanical properties such as tensile properties, formability, toughness, fatigue properties, delayed fracture strength, wear properties, and so on, tested in several conditions such as elevated and cryogenic temperatures, corrosive atmosphere, etc.





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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 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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Metals Editorial Office
MDPI, St. Alban-Anlage 66
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