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Fatigue and Fracture of Metallic Engineering Materials and Structures

Guest Editor:

Prof. Dr. Nicola Bonora
Department of Civil and Mechanical Engineering, University of Cassino and Southern Lazio, 03043 Cassino, Italy

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Message from the Guest Editor

This Special Issue aims to collate original research articles and reviews that deepen our understanding of fatigue and fracture mechanisms in engineering materials and structures. In the evolving field of material science and engineering, a comprehensive understanding of fatigue and fracture behaviors under varied conditions is crucial for advancing technology and infrastructure. Submissions that delve into specific failure modes, including but not limited to impact, creep, brittle fractures, ductile failure, spall, and the effect of the stress state, are of particular interest. These investigations will provide essential insights that can contribute to the broader knowledge base of material behavior under complex loading conditions.

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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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Contact Us

Metals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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