



an Open Access Journal by MDPI

Multiaxial Fatigue: Testing and Modelling

Guest Editor:

Prof. Takamoto Itoh

Department of Mechanical Engineering, College of Science and Engineering, Ritsumeikan University, 525-8577 Kusatsu, Japan

Deadline for manuscript submissions: closed (31 August 2019)

Message from the Guest Editor

Dear Colleagues,

The aim of this Special Issue is to share the latest developments of the testing and modelling of multiaxial fatigues; high cycle and low cycle fatigue, creep-fatigue, and thermal fatigue under multiaxial loading, including non-proportional loading. Recently much research has studied multiaxial issues, but many open questions still exist. Especially applications in industry have not reached the stage of practical use, which is of strong interest. Original research and review articles as well as technical letters related to these topics are welcome. This Special Issue is a good opportunity for researchers and engineers to publish experiments, theories and industrial practical uses.

Prof. Takamoto Itoh *Guest Editor*









an Open Access Journal by MDPI

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

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions. **High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases. **Journal Rank:** JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q1 (*Metals and Alloys*)

Contact Us

Metals Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/metals metals@mdpi.com X@Metals_MDPI