Special Issue

Fatigue Life under Multiaxial Load Conditions

Message from the Guest Editor

The proper estimation of the fatigue life of facilities is a very important problem of modern technology, and incorrect assessments can be the cause of disasters. Along with the evolution of the knowledge on fatigue, new approaches to predicting fatigue strength and durability have emerged. Despite the constantly growing number of papers and the growing interest of researchers in this issue, so far it has not been possible to develop a clear and effective method of estimating the period of safe operation of elements, systems, and whole devices and structures. Fatigue is a multifaceted process and fatigue failure is dependent on several factors, including material type and condition, component geometry, load type, and stress state. Each of these factors may be the main subject of discussion of the presented articles. For more information please click on the following link:
https://www.mdpi.com/journal/materials/special_issues/fatigue_life

Guest Editor

Prof. Marta Kurek
Department of Mechanics and Machine Design, Opole University of Technology, 45-271 Opole, Poland

Deadline for manuscript submissions

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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