Special Issue

Fatigue Life Evaluation of Steel under Different Conditions

Message from the Guest Editor

For load conditions relatively far from safe values, fatigue is the most important parameter to be considered in the behavior of mechanical and structural components subjected to constant or variable amplitude loading. Fatigue life is influenced by mechanical, metallurgical, and environmental variables.The purpose of this Special Issue is to evaluate the most recent technological developments regarding knowledge of fatigue life evaluation of steel. The forecast of steel performances is fundamental for the safety, maintenance management, and replacement planning of components of most industrial products and production plants. Furthermore, reliable knowledge of the performance of a product allows designing and carrying out treatments during the production phase that can increase the fatigue lifetime. For more information, please click the following link: https://www.mdpi.com/journal/materials/special_issues/fatigue_life_steel

Guest Editor

Prof. Andrea Gatto

Department of Engineering “Enzo Ferrari”, University of Modena and Reggio Emilia, via Vivarelli 10, 41125 Modena, Italy

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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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