Special Issue

Fatigue Fractures and Simulations of Structural Materials and Engineering Structures

Message from the Guest Editors

This Special Issue of *Applied Sciences* is dedicated to the fatigue fractures and fatigue simulations of structural materials and engineering structures. It will gather and present the latest achievements in theoretical (modeling and simulation) and experimental studies of fatigue of metallic and composite structural materials. Studies that include the fatigue of advanced structural materials and the study of various factors influencing the fatigue of structural materials such as the fatigue testing of lightweight structures or components, the influence of heat treatment, microstructure, specific surface treatment, specific surface finish, cold work, stress concentration, internal defects, residual stress, and complex stress conditions–multiaxial fatigue are particularly welcome. For further reading, please visit the ***Special Issue website.***

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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