



Fatigue Damage and Fracture Mechanics of Materials

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Message from the Guest Editor

Dear Colleagues,

When looking at recent materials studies, failure mechanisms on various types of metal or non-metals have been extensively analyzed for determining the root cause of the failure. Nowadays, the combination of materials analysis, simulation and data analysis can exhibit exciting findings toward the advancement in the scope of fatigue damage and fracture mechanics of materials.

The aim of this SI is to understand the fundamental and application issues of materials failure (damage) under fatigue and fracture conditions. It is aimed to make a collection of articles of contributions covering new trends, latest advancements, and case studies in the field of fatigue damage and fracture mechanics of materials. Thus, the element of structural integrity and durability assessment of materials, as well as structural health monitoring of materials and structures will be involved in this Special Issue. It welcomes contributions on theoretical work, numerical analysis, simulation works, experimental approaches, data analysis by means of stochastics or probabilistic analysis, and any related issues to the damage mechanics





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Message from the Editor-in-Chief

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