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Recent Advances in Fatigue and Fracture of Engineering Materials

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31 October 2024

Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to collect and share with a wide community of researchers the results of scientific research, addressing the recent advances in fatigue and fracture of materials. It will cover a wide range of topics including: the phenomena accompanying the process of crack initiation and propagation, the influence of different factors on fatigue life, development of approaches in fatigue life estimation, description of failure mechanisms, description and analysis of fracture surfaces, the influence of residual stresses on cracking, effect of microstructure, texture, and grain boundaries on fatigue life, and others.

Thus, we invite the researchers working in the described area to present their latest results in the form of original research and review articles. Papers that present experimental results are highly appreciated, as well as those that focus on numerical techniques for fatigue life assessment.

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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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