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Damage Analysis for Composite Materials: Methods, Testing and Evaluation

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Deadline for manuscript submissions:
closed (20 February 2024)

Message from the Guest Editors

Dear Colleagues,

This Special Issue is intended to act as a contributor to the discussion of addressing damage extension assessment and the outcomes on load bearing capacity and fatigue behavior and to future developments on this theme.

The analysis of the damage propagation process in these materials and damage evaluation methods based on data extracted via image processing of holes machined in composites are of prime importance. Normally, the machined holes are analyzed by different NDT (Non-Destructive Testing) based on visual inspection, microscopy, digital enhanced radiography, ultrasound, active and passive thermography, laser shearography, and digital image correlation. The images resulting from the NDT are processed by diverse means to establish a numerical assessment of the damage. The use of NDTs and the correlation between damage extension and bearing load properties is a major driving theme that will be deeply discussed in this Special Issue.

It is our pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

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Message from the Editor-in-Chief

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