

Special Issue

Damage Inspection of Composite Structures

Message from the Guest Editors

This special issue is dedicated to the damage detection and assessment that occurs in all kinds of composite materials and structures (polymer matrix composites, metal matrix composites, ceramics matrix composites, etc.). The present Special Issue intends to explore new directions in the field of non-destructive methods and prognostics applied to composite materials. While the Issue is open to all interested researchers, several contributions come from the relevant session of the International Conference on Experimental Mechanics, ICEM18, 1-5 July 2018, Brussels. The interests of this Special Issue include but are not restricted to the use of acoustic technology on composite materials and structures in various fields (aerospace, automobile, etc.). Topics of interest (among others) include:

- Detection and identification of several damage mechanisms
- Innovative methodologies in detection
- Improvement in the localization of damage sources
- Combination between several monitoring techniques
- Diagnosis and prognostics methods of failures modes
- Structural health monitoring (SHM)
- Residual useful life prediction

Guest Editors

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About the Journal

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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