Special Issue

Multiscale Composite Materials Characterization – Manufacturing, Testing and Structural Integrity Analysis

Message from the Guest Editors

This special issue is primarily devoted to issues related to strength and optimization of composite structures - mainly, but not limited to, polymer matrix composites. The most important objective of the collected works is to model the behaviour of composites in the production phase, as well as under mechanical and environmental stresses. It is also highly recommended to expect papers related to applying new materials and technologies with respect to mechanical performance and materials behaviour in terms of modelling various phenomena (creep, fatigue) and many other factors that constitute materials reliability in engineering applications. The aim of this issue would be to provide the data, models and tools necessary to performing structural integrity and lifetime prediction of composite structures using various length scales, resulting in the use of advanced mathematical, numerical and experimental techniques.
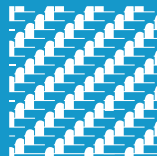
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Deadline for manuscript submissions

closed (30 June 2022)
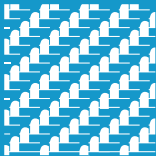
About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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