Special Issue

Design and Analysis of Advanced Composites and Structures in Aerospace

Message from the Guest Editors

The design of advanced composites and structures are very crucial for the rapid development of aerospace. They can provide superior mechanical properties with limited mass, contributing to aircraft safety, controllability, fuel saving, etc. With the development of manufacturing technology (such as 3D printing), more complicated and lightweight composites and structures can be manufactured efficiently to satisfy higher requirements of aerospace. This also stimulates the innovative design of composites and structures. However, the complex and not well-understood mechanical mechanisms of the designed composites and structures limit their extensive applications. This special issue aims to provide a platform for researchers to share their latest progress in the design and analysis of advanced composites and structures applied in aerospace. A special emphasis is on design principles, analysis methods and complex mechanical mechanisms to guide the design.

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