



Material-Process-Structure Integrated Design For Advanced Polymeric Composites

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Message from the Guest Editors

Advanced fiber-reinforced polymers (FRPs) have exhibited their compelling features for extensive applications in automotive and aerospace industries. FRP composites not only possess the multi-scale characteristics of materials/structures, but their structural performance is closely related to the forming processes. Understanding the coupling mechanisms underlying the material-process-structure is important to develop the efficient and reliable integrated design method for advanced FRP composite structures. We welcome the submission of articles considering any of the following: multi-scale analysis method for composites, advanced manufacturing technology for composites, process-performance coupling mechanism of composites, material-process-structure-performance-integrated design method for composite structures.





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