Special Issue

Carbon Fiber Reinforced Polymers (3rd Edition)

Message from the Guest Editor

The current demand for lightweight and high-performance structures leads to increasing applications of carbon fiber reinforced polymers (CFRPs), made possible also by novel production methods, automation with repeatable quality, reduced cost of carbon fibers, out-of-autoclave processes like resin transfer molding and resin infusion technologies, re-use of waste fibers, development in preform technology, high-performance fast curing resins, etc. Moreover, the diffusion of multi-material design has driven the research towards efficient joining technologies of metals to carbon fiber-reinforced composites. Recently, nanofillers have been introduced into conventional carbon fiber-reinforced polymers to create multiscale or layered composites, which are characterized by enhanced structural and functional properties. This Special Issue aims to present recent advances in carbon fiber reinforced polymers, focusing on the emerging trends both in carbon fibers and matrix development and in composite manufacturing technologies. I kindly invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editor

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