



Large-Scale Composite Structures – Challenges and Opportunities

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Message from the Guest Editors

This Special Issue aims to look at composites beyond today, both in terms of applications and manufacturing processes. What recent advances will enable a fresh look at the design, manufacturing, and maintenance of large and geometrically complex composite structures? What manufacturing processes can be enhanced to cater for these new structures? What new components can be incorporated into composites to enhance specific behavioral (structural, cost, maintenance, eco-impact, etc.) aspects? How can we redefine how composites are designed, used, disposed of, or potentially reused in large structures? Can we manufacture for design instead of designing for manufacture? The analysis of these extensive and ill-defined problems can no longer focus on specific issues: It has to tackle a web of influences ranging from design to production, from supply chain to end-of-life, from consumer preference to market trends public awareness to public policy, etc.

