



Large-Scale Composite Structures—Challenges and Opportunities, Volume II

Guest Editors:

Dr. Arlindo Silva

Engineering Product
Development Pillar, Singapore
University of Technology and
Design (SUTD), Singapore
487372, Singapore

Carlos Bañon

Associate Professor, Architecture
and Sustainable Design Pillar,
Singapore University of
Technology and Design,
Singapore

Deadline for manuscript
submissions:

closed (30 June 2024)

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?

Manuscripts submitted to this Special Issue should tackle the specific and/or the broad, the technical and/or the social, the environmental and/or the financial sustainability. Especially welcome are manuscripts which bridge these fields to produce a web of knowledge that may inform the scientific and the industrial community on ways to move forward and exploit the advantages of composite materials while mitigating their drawbacks for large structures.

