



Geometrical and Structural Design of Load Bearing Composites

Guest Editor:

Dr. Parvez Alam

School of Engineering, Institute
for Materials and Processes, The
University of Edinburgh,
Sanderson Building, Robert
Stevenson Road, Scotland EH9
3FB, UK

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Message from the Guest Editor

The Special Issue, “Geometrical and Structural Design of Load Bearing Composites”, aims to bring you the latest advances in composite materials, where the focus is on geometrical design optimisation and its influence on mechanical behaviour. Mechanical behaviour guides the way in which we design and use structures and components in a wide variety of industrial settings (e.g. aerospace, automotive, defence, renewable energy, biomedical, construction). High-end properties such as strength, stiffness, impact-resistance, and fatigue life, are important to couple to low weight, low cost and ease of manufacturing. Cellular solids and the structural arrangement of composites are examples of enablers of such couplings, but there remains considerable room for further advancements in the science, engineering and mechanical design in each of these areas.

