



Recent Research Progress on the Structure and Application of Polymeric Foam

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

There has been an increasing trend in the use of polymeric foam as a filler for thin-walled energy absorption structures because of its high specific energy absorption, low cost and ease of manufacture. Rapid developments in the field of polymeric foam filled energy absorption structures have boosted their applications in aerospace, military, automotive engineering, civil engineering and other industries. Hence, the development of new polymeric foam filled energy absorption structures is a hot topic in this field, especially for understanding their behaviors under extreme loading scenarios such as from impacts and blasts.

This Special Issue considers recent research on novel polymeric foam filled energy absorption structures. Of special interest are the research topics focused on developing new types of polymeric foam filled energy absorption structures with high specific energy absorption as well as those related to new experimental techniques, numerical simulation methods and theoretical advances for the polymeric foam filled energy absorption structures.

It is our pleasure to invite you to submit a manuscript to this Special Issue.





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Message from the Editor-in-Chief

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