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Strain Energy in Composite Structures

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Message from the Guest Editors

Dear Colleagues,

This Special Issue of *Energies* is devoted to the deformation energy of composite structures. Composites, including corrugated and sandwich structures, are increasingly used as construction materials or load-bearing elements in various engineering fields. Due to their specific composition, their load capacity to section weight ratio is much higher than that of traditional solid sections. In addition, the geometries of the corrugated or soft-core structures are constantly being modified to improve their mechanical properties. This Special Issue will enable scientists and engineers to exchange the latest knowledge on advances in theoretical and computational approaches for composite structures.

Among others, the following topics are the main fields of interest for this Special Issue: deformation energy in composite structures such as beams, plates and shells, corrugated boards and sandwich panels; its mechanical characterization and strength estimation methods, numerical, and analytical homogenization techniques; laboratory testing methods; linear and nonlinear analysis of any structures made of composites.



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Special Issue



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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