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Strain Energy in Composite Structures

Guest Editors:

Prof. Dr. Tomasz Garbowski

Department of Biosystems
Engineering, Poznan University of
Life Sciences, ul. Wojska
Polskiego 28, 60-637 Poznań,
Poland

Prof. Dr. Zbigniew Pozorski

Institute of Structural Analysis,
Faculty of Civil and Transport
Engineering, Poznan University of
Technology, ul. Piotrowo 5, 60-
965 Poznań, Poland

Prof. Dr. Katarzyna Rzeszut

Institute of Building Engineering,
Poznan University of Technology,
60965 Poznan, Poland

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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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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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