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Mechanics of Thin-Walled Structures and Other Lightweight Constructions

Guest Editor

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Message from the Guest Editor

Dear Colleagues,

The topic for this Special Issue is "Mechanics of Thin-Walled Structures and Other Lightweight Constructions." Thin-walled and lightweight structures must provide operational demands and safety within a minimal weight. Typical structures would be made of thin load skins' frames, stiffeners, and spars, all made of high strength and stiffness materials to comply with the desired minimal weight criteria. Although the topic was extensively presented in the literature, new and innovative studies on non-linear behavior as compared to their linear behavior started to be more and more present.

The present Special Issue aims to provide a new platform for recent studies on the structural behavior of thin-walled and lightweight structures in their linear and non-linear regimes.

These studies can present those structures' static and dynamic behavior, highlighting new numerical methods, finite element solutions, and experimental results.

Prof. Dr. Haim Abramovich Guest Editor













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Message from the Editor-in-Chief

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