

Special Issue

Computational and Experimental Mechanics of Thin-Walled Structures

Message from the Guest Editors

The wide range of thin-walled structures and composite materials applications in different areas of science and engineering motivates our interest to understand the governing mechanics, and to develop accurate and efficient computational models. The field of computational mechanics of thin-walled structures has undergone intense development over the last several decades; nevertheless, is still in a phase of progression. Thanks to advances in numerical methods, which are powerful tools for engineering practice and materials design, solving materials problems and structure behavior is much easier, enabling the reliable assessment of phenomena connected with this topic. The scope of this Special Issue covers analyses of phenomena taking place in materials and structures subjected to different load states, especially limit states. This Special Issue will address the above-mentioned research areas concerning the computational and experimental mechanics of thin-walled structures applied in engineering.

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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