

SHELLS AND THIN-WALLED STRUCTURES

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ABSTRACT

This mini-symposium aims at bringing together researchers from across the computational engineering community to discuss and exchange the latest achievements in modeling, analysis and design of shells and other thin-walled structures such as plates, membranes and beams. Topics of interest include, but are not limited to aspects of linear/non-linear modeling, discretization, analysis and simulation of problems involving thin and thick shells, plate and beam structures, boundary conditions and other constraints, multi-field and multi-scale issues, as well as stability. Classical and non-classical formulations are welcome, as well as computational and algorithmic aspects, model verification and validation. Applications from biomechanics, manufacturing and other fields of engineering science are also within the scope.