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Modeling and Analysis of Static, Dynamic, and Thermal Behavior of Shell, Plate, and Beam Structures

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Message from the Guest Editors

Dear Colleagues,

This Special Issue deals with analytical and computational methods in the mechanics of beams, plates, and shells. The main areas of interest of this edition include linear and nonlinear models of elasticity and plasticity of these structures; thermoelasticity; problems of vibrations, wave propagation, stability of beams, plates, and shells; heat conductivity; microheterogeneous structures; layered structures; and structures made of materials with special properties – metamaterials, auxetic materials, porous materials, biomaterials, and functionally graded materials.

We invite you to submit your scientific papers on the latest research results in these aspects of the mechanics of beams, plates, and shells, with an emphasis on applications in all areas of mechanics, biomechanics, and civil engineering.

Prof. Jarosław Jędrysiak
Prof. Dr. Izabela Lubowiecka
Prof. Ewa Magnucka-Blandzi
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Special Issue



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Message from the Editor-in-Chief

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