

Mathematical Models and Investigation Methods of Coupled Nonlinear Mechanical Systems

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Main goal of this Invited Session is providing a possibility for the exchange of new ideas and results between research groups in the field of mathematical models and their implementation for the investigation for coupled nonlinear mechanical systems of the different nature. Special attention will be given to examples of real problems considering interaction with dry friction, stability of motion and deforming processes, nonlinear behavior of continua, dynamics of systems with fluid-gas-plasma-structures and to other similar topics.