## Proposal for Symposium on COMPUTATIONAL METHODS IN MULTIBODY DYNAMICS SIMULATION

Organizers:

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Papers are solicited in all areas related to theoretical development, implementation, and performance assessment of computational methods in multibody dynamics simulation. Of particular interest are presentations regarding methods for handling friction and contact, flexible body simulation, mechatronics, methods for interfacing to linear and nonlinear finite element analyses, parallel computing strategies, explicit and implicit numerical integration methods, uncertainty handling. Papers dealing with applications (biomechanics, railroad vehicles system dynamics, vehicle systems and tire dynamics, etc.) and software implementation/testing/validation issues are welcome in order to maintain a healthy balance between theoretical and applied presentations.