



INVITED SESSION

Discrete and particle methods in solid and structural mechanics

ORGANIZERS

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ABSTRACT

This session covers both theoretical and practical aspects of discrete and particle-based methods (DEM, PFEM, SPH, MPM, MPS and others) that can be effectively used for solving a variety of problems in solid mechanics and structural mechanics. Also, contributions dealing with the interaction between solids and structures with fluids (e.g., through the combination with other established numerical methods, such as FEM, FDM and others), as well as with multiphysical aspects involving solids and structures, are welcome.