

Discrete and particle methods in solid and structural mechanics

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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 particles, solids and structures, and/or fluids (e.g., through the combination with other established numerical methods such as FEM, FDM, FVM and others), as well as multiphysics problems involving particles, solids and structures, are welcome.