

COUPLED COMPUTATIONAL MECHANICS: SOLUTIONS FOR FSI SIMULATION

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MINISYMPOSIUM

This minisymposium (MS) provides a forum for the presentation, discussion, and dissemination of state-of-the-art computational modeling approaches for coupled mechanical systems. The MS will include novel FSI modeling approaches and numerical methods for the simulation of a variety of applications, including but not limited to Eulerian-Lagrangian contact mechanics, biomechanical FSI, blast-on-structures, cavitation-induced damage, and fluid-thermal-structure interaction. Other areas of interest for this MS include applications of FSI to all scales, communication of software implementation details, performance evaluation of original and commercial codes, benchmark problems, and additional verification and validation schemes.