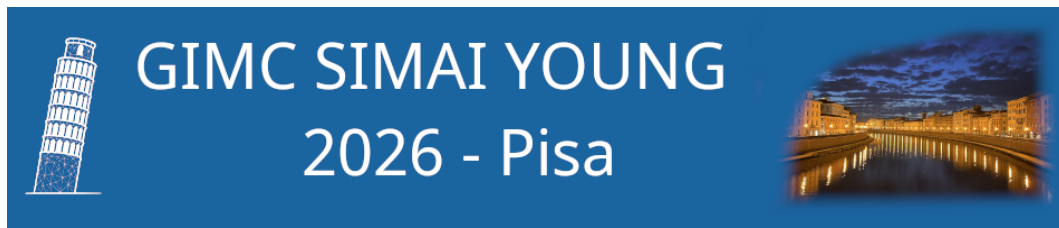


Session Program

3-5 Jun 2026



GIMC SIMAI Young 2026

MS13.2 - Mechanics and Microstructural Behavior of Biological Media: from Multiscale Modeling to Simulations

Pisa

Thursday 4 June

16:30

MS13.2 - Mechanics and Microstructural Behavior of Biological Media: from Multiscale Modeling to Simulations

Session | Location: Aula C

16:30-16:45

Variational methods and internal constraints in poroelastic theories

Speaker

Francesco Turiano

16:45-17:00

Dynamic instability of a charged Ziegler's double pendulum.

Speaker

Joel Harrop

17:00-17:15

The functional impact of myofiber macroscopic organization and disarray in computational models of the murine heart

Speaker

Carlo Guastamacchia

17:15-17:30

The mechanics of active fiber-reinforced plates: modeling curvature-induced cell alignment

Speaker

Gabriele Fioretto

17:30-17:45

Data-driven Discovery of Convex Dissipation Potentials in Viscoelasticity via Grammar-Based Symbolic Regression

Speaker

Federico Califano

18:30