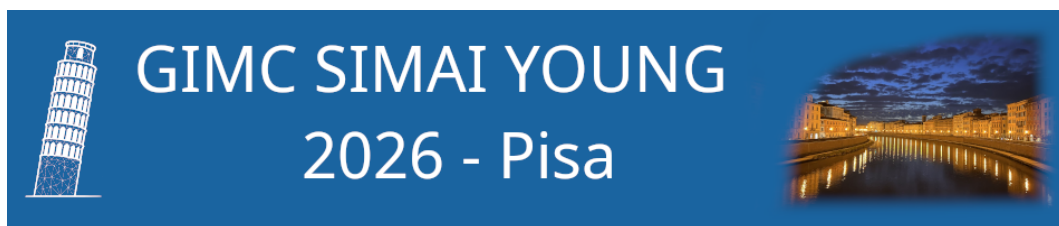


Session Program

3-5 Jun 2026



GIMC SIMAI Young 2026

MS15 - Theoretical and Computational Mechanics of Time-Dependent Materials

Pisa

Thursday 4 June

16:30

MS15 - Theoretical and Computational Mechanics of Time-Dependent Materials

Session | Location: Pisa

16:30-16:45

Unsteady incompressible flow of a dispersive transversely isotropic material in a planar channel

Speaker

Rebecca Tozzi

16:45-17:00

Analysis of the D.C.B. test via damage phase-field modeling

Speaker

Nico Stortini

17:00-17:15

An approach to nematic elastomers based on extended constraints

Speaker

Andrea Pastore

17:15-17:30

Extensional-torsional coupling in spider silk under different environmental conditions

Speaker

Vincenzo Fazio

17:30-17:45

A poroelastic approach in modelling the corneal keratoconus

Speaker

Alessandro Giammarini

17:45-18:00

Variational Formulations for Viscoelasticity with Anisotropic Evolution of Viscous Strain

Speaker

Giulio Lucci

18:00-18:15

A FEniCSx Implementation of the Deep Rheological Element for Finite-Strain Nonlinear Viscoelasticity

Speaker

Federico Califano

18:30