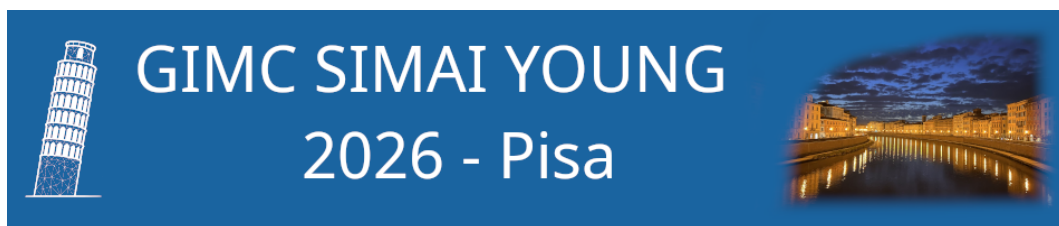


Session Program

3-5 Jun 2026



GIMC SIMAI Young 2026

MS04.1 - High-Order Numerical Methods for Complex Mechanics and Higher-Order PDEs

Pisa

Wednesday 3 June

16:15

MS04.1 - High-Order Numerical Methods for Complex Mechanics and Higher-Order PDEs

Session | Location: Pisa

16:15-16:30

Adapted W Methods for Efficient and Accurate Solution of Parabolic PDEs

Speaker

Samira Iscaro

16:30-16:45

A numerical-experimental comparison of Dog-Bone ductile sample via high-order isogeometric phase-field model for brittle fracture

Speaker

Luigi Greco

16:45-17:00

A stochastic perturbation approach to nonlinear bifurcating problems via Polynomial Chaos Expansion

Speaker

Giacomo Venier

17:00-17:15

Operator Splitting Scheme for Nonlocal Kinetic PDEs derived from Multi Agent Systems

Speaker

Simone Accogli

17:15-17:30

A variational finite element approach for stiff non-convex Cahn-Hilliard systems in structural topology optimization

Speaker

Edmund Bell-Navas

18:00