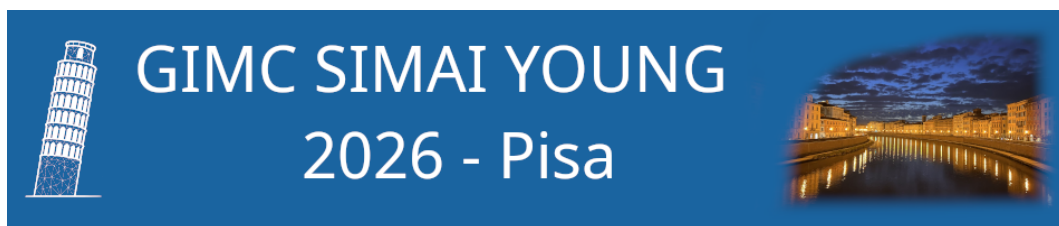


Session Program

3-5 Jun 2026



GIMC SIMAI Young 2026

MS08 - Robust Preconditioning Techniques for Scientific Applications

Pisa

Thursday 4 June

16:30

MS08 - Robust Preconditioning Techniques for Scientific Applications

Session | Location: Aula E

16:30-16:45

A Mixed Precision Preconditioner for a Runge-Kutta Discretization of Instationary Incompressible Viscous Fluid Flow Problems

Speaker

Santolo Leveque

16:45-17:00

An algebraic-geometric multilevel preconditioner for continuous finite element discretizations

Speaker

Davide Polverino

17:00-17:15

A non-overlapping Schwarz preconditioner for PolyDG methods in brain electrophysiology

Speaker

Caterina B. Leimer Saglio

17:15-17:30

Transforming smoothers for elliptic interface problems

Speaker

Fabio Credali

17:30-17:45

Efficient solution of discontinuous Galerkin approximation of the non-linear thermo-poroelastic problem

Speaker

Stefano Bonetti

17:45-18:00

Efficient and Stable Dirichlet-Neumann Methods for Fluid-Structure Interaction with Large Added Mass

Speaker

Francesca Renzi

18:30