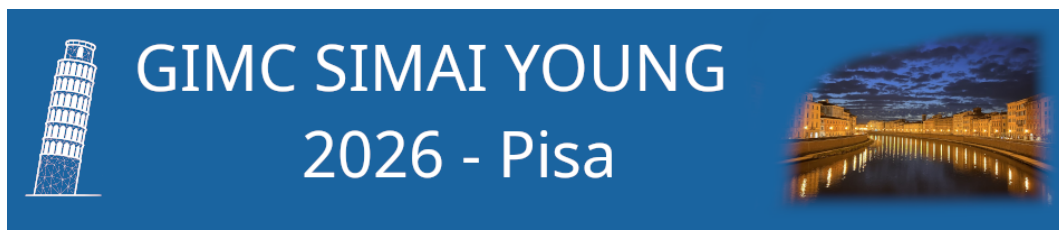


Session Program

3-5 Jun 2026



GIMC SIMAI Young 2026

MS02.1 - Advances in Neural Network Approximation and Surrogate Modeling for Scientific Machine Learning

Pisa

Thursday 4 June

14:00

MS02.1 - Advances in Neural Network Approximation and Surrogate Modeling for Scientific Machine Learning

Session | Location: Aula A

14:00-14:15

NeuberNet: Leveraging Neural Operators for Elasto-Plastic PDE Solutions at Reentrant Corners via Low-Fidelity Elastic Inputs

Speaker

Tommaso Grossi

14:15-14:30

Accelerated inverse modeling of tumor evolution via Latent Dynamic Networks

Speaker

Mikel Mendibe

14:30-14:45

Data-Driven Resolution Enhancement of Electrostatic Potentials Using NextGenPB

Speaker

Vincenzo Di Florio

14:45-15:00

Dynamical reduced order approximation of Wasserstein gradient flows

Speaker

Isabella Carla Gonnella

15:00-15:15

Efficient Bayesian Inference for Uncertainty-Aware Scientific Machine Learning

Speaker

Dario Coscia

15:15-15:30

StabOp: A Data-Driven Stabilization Operator for Reduced Order Modeling

Speaker

Anna Ivagnes

15:30-15:45

Continuous Neural Network Approximations of Polygonal Basis Functions

Speaker

Gioana Teora

15:45-16:00

Graph Neural Networks for Polytopal Mesh Agglomeration with Applications to Neurodegenerative Processes

Speaker

Mattia Corti

16:00