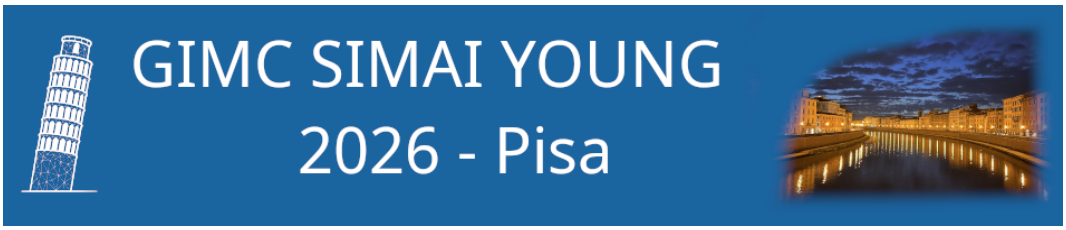
Session Program

3–5 Jun 2026



GIMC SIMAI Young 2026

MS07.1 - Recent Advances in Data-Driven Surrogate Modeling

Pisa

Friday 5 June

09:00

MS07.1 - Recent Advances in Data-Driven Surrogate Modeling

Session | **Location:** Pisa

09:00–09:15

Learning adaptive basis representations for parametrized PDEs with Deep Orthogonal Decomposition

Speaker
Nicola Rares Franco

09:15–09:30

Benchmarking the translation invariance of Neural Operators for the FitzHugh-Nagumo model

Speaker
Luca Pellegrini

09:30–09:45

Learning the continuous-time dynamics: from trajectories to velocities

Speaker
Nicola Farenga

09:45–10:00

Randomized Low-Rank Natural Gradient Methods for Scalable Neural PDE Learning

Speaker
Ivan Bioli

10:00–10:15

Separable Representations of Optimal Value Functions via Neural Networks

Speaker
Luca Saluzzi

10:15–10:30

Step-by-Step Time-Discrete PINNs: Embedding Time Integrators into Neural Networks

Speaker
Carmine Valentino

10:30–10:45

Space-time continuous pde forecasting using equivariant neural fields

Speaker
Riccardo Valperga

10:45