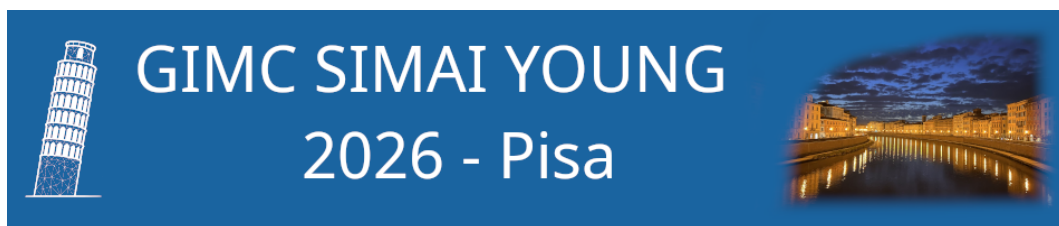


## **Session Program**

**3-5 Jun 2026**



## **GIMC SIMAI Young 2026**

### **MS07.2 - Recent Advances in Data-Driven Surrogate Modeling**

Pisa

# Friday 5 June

11:15

## MS07.2 - Recent Advances in Data-Driven Surrogate Modeling

Session | Location: Pisa

11:15-11:30 **Hierarchical Model Reduction for Patient-Specific Vascular Flows**

**Speaker**

Erika Temellini

11:30-11:45

**DATA-DRIVEN REDUCED ORDER MODEL FOR LAMINAR FLUID-STRUCTURE PROBLEM**

**Speaker**

Mazhar Shehzad

11:45-12:00

**Reduced-Order Modeling of Steady Cylinder Flow via POD-Based Surrogate Models**

**Speaker**

Shahid Ali

12:00-12:15

**Efficient Bayesian Inverse UQ via Online Adaptive Gaussian Process Surrogates and Adaptive Delayed-Acceptance MCMC**

**Speaker**

Filippo Zacchei

12:15-12:30

**Scientific Machine Learning for Forward and Inverse Problems in Cardiac Electrophysiology**

**Speaker**

Edoardo Centofanti

12:30-12:45

**Hybrid Physics-Data-Driven Reduced Order Surrogate for Turbulent Flows on Collocated Grids**

**Speaker**

Kabir Bakhshaei

12:45-13:00

**Fast and Accurate Reconstruction of 3D Cardiac Displacement Fields from Sparse MRI-like Data via PBDW**

**Speaker**

Francesco Mantegazza

13:00