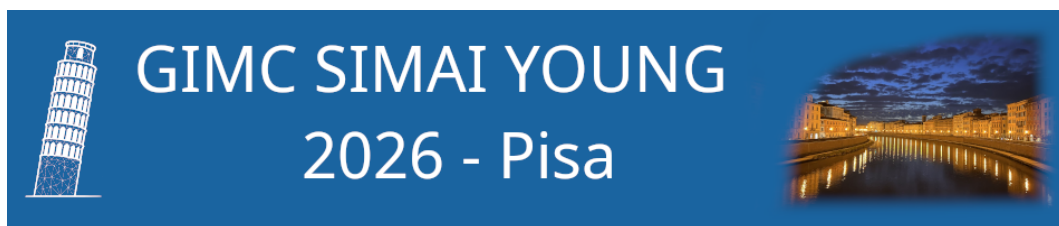


## **Session Program**

**3-5 Jun 2026**



## **GIMC SIMAI Young 2026**

### **MS16 - Advanced FEM Techniques with Engineering Applications**

Pisa

# Thursday 4 June

14:00

## MS16 - Advanced FEM Techniques with Engineering Applications

Session | Location: Pisa

14:00-14:15

### A Comparative Survey on Advanced Finite Element Methods for Solid Mechanics

**Speaker**

Lucia Lottici

14:15-14:30

### A VEM-Enhanced Immersed Interface Method for Moving-Boundary Problems on Fixed Grids

**Speaker**

Alessandro Mastrofini

14:30-14:45

### VEM/BEM coupling for 3D acoustic scattering problems

**Speaker**

Davide Collato

14:45-15:00

### An Equivalent Temperature Load Approach for Creep and Shrinkage Consideration in the Ultimate Limit State Design of Reinforced Concrete Floor Slabs

**Speaker**

Pinel Getu Cherent

15:00-15:15

### Ultimate Buckling Strength Analysis of Cracked Stiffened Plates with Geometric Imperfections

**Speaker**

Lahouaria Errouane

15:15-15:30

### A Bubble-Enriched Finite Element Method in a Fictitious Domain Framework for Dirichlet Problems

**Speaker**

Lorenzo Neva

15:30-15:45

### The position-based finite element formulation for structural nonlinear analysis and optimisation

**Speaker**

Paolo Fiscaro

15:45-16:00

### An isogeometric collocation finite-strain visco-hyperelastic formulation for geometrically exact beams

**Speaker**

Diego Ignesti

16:00