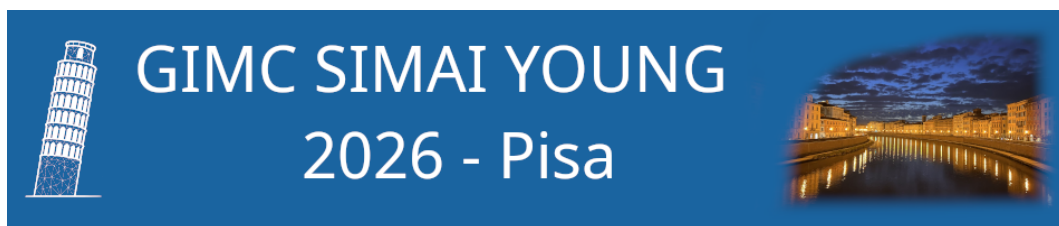


## **Session Program**

**3-5 Jun 2026**



## **GIMC SIMAI Young 2026**

### **MS14 - Mechanics of Metamaterials: from Modeling to Applications**

Pisa

## Wednesday 3 June

16:15

### MS14 - Mechanics of Metamaterials: from Modeling to Applications

Session | Location: Pisa

16:15-16:30

#### The role of anisotropic homogenized mass in locally resonant metamaterials

**Speaker**

David Faraci

16:30-16:45

#### Stability domains of chiral periodic lattices

**Speaker**

Nicola Marasciuolo

16:45-17:00

#### A numerical framework to describe anisotropic plastic behaviour of homogenized lattice metamaterials

**Speaker**

Lorenzo Romanelli

17:00-17:15

#### Multiple tensile restabilisation from the homogenisation of a two-dimensional network of prestressed Reissner rods

**Speaker**

Matteo Franzoi

17:15-17:30

#### Model-Driven Digital Volume Correlation for Large-Deformation Experiments on Pantographic Metamaterials

**Speaker**

Alessandro Ciallella

17:30-17:45

#### Effective Micromorphic Modeling of Metamaterial Behavior

**Speaker**

Gianluca Rizzi

17:45-18:00

#### Pseudospectral Stability Analysis of Wave Propagation in Microstructured Materials with Vector-Valued Phase Fields

**Speaker**

Daniele La Pegna

18:00