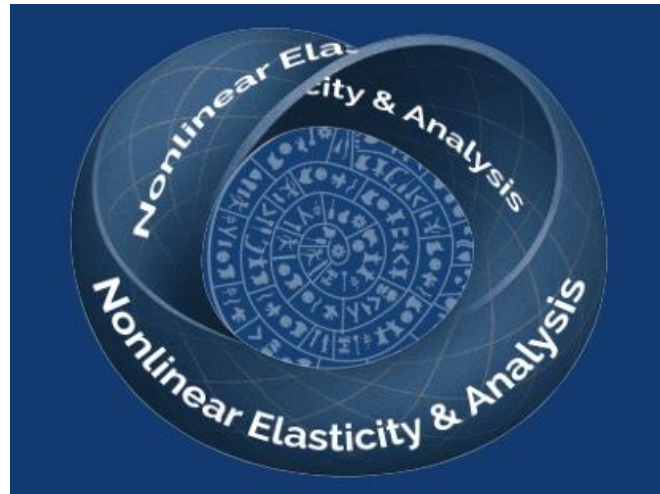


59th SNP Meeting Program

11-13 JUNE 2025, LIANIS AUDITORIUM, FORTH MAIN BUILDING



Wednesday 11th (morning)

- 9:30-10:00 Registration and opening remarks
- 10:00-11:00 Roberto **PARONI** (Keynote lecture)
Towards a 1d model for tape spring devices
- 11:00-11:30 Coffee break
- 11:30-12:00 Lucas **Bouck**
Plate Theory for Metric-Constrained Actuation of Liquid Crystal Elastomer Sheets
- 12:00-12:30 James **Hanna**
Shear stresses in fluid and solid membranes with bending elasticity
- 12:30-14:00 Lunch

Wednesday 11th (afternoon)

- 14:00-15:00 Martin **KRUŽIK** (Keynote lecture)
Positive temperature in nonlinear thermoviscoelasticity
- 15:00-15:30 Brian **Seguin**
Isometric immersions and framed curves
- 15:30-16:00 Alfio **Grillo**
Internal constraints in uniaxial nematic elastomers: Indeterminacy and resolution via gauge relations
- 16:00-16:30 Coffee break
- 16:30-17:30 Stefan **KRÖMER** (Keynote lecture)
Elastic materials with microscopic, elastically rigid magnetic inclusions

Thursday 12th (morning)

- 9:00-9:30 Introductory Remarks
- 9:30-10:30 **JOHN BALL** (TRUESDELL lecture)
Complex martensitic microstructures in Ti76Nb22Al2
- 10:30-11:00 Coffee break
- 11:00-11:30 Georgios **Grekas**
Electro- and Magneto-Elastic Modeling with Applications to Potassium Sodium Niobate and Iron-Nickel Alloys
- 11:30-12:30 Konstantinos **KOYMATOS** (Keynote lecture)
On the role of quasiconvexity in dynamics
- 12:30-14:00 Lunch

Thursday 12th (afternoon)

- 14:00-15:00 Barbora **BENEŠOVÁ** (Keynote lecture)
Linearization in elastodynamics
- 15:00-15:30 Salvatore **Federico**
Symmetries of the Elasticity Tensor Induced by the Jaumann Rate of the Kirchhoff Stress
- 15:30-16:00 Coffee break
- 16:00-16:30 Ahmed **Elbanna**
A Quasi-Continuum Framework for Rate-Dependent Fracture in Polymer-like Networks
- 16:30-17:30 Arnav **Gupta**
TBA
- 20:00 Social Dinner

Friday 13th (morning)

- 10:00-11:00 Athanassios **TZAVARAS** (Keynote lecture)
Mathematical aspects of the equations of viscoelasticity with strain gradients
- 11:00-11:30 Coffee break
- 11:30-12:00 Reuven **Segev**
On the kinematics and statics of multipolar media
- 12:00-12:30 Yi-Chao **Chen**
Internal constraints and dimension reduction of deformations
- 12:30-13:00 TBA