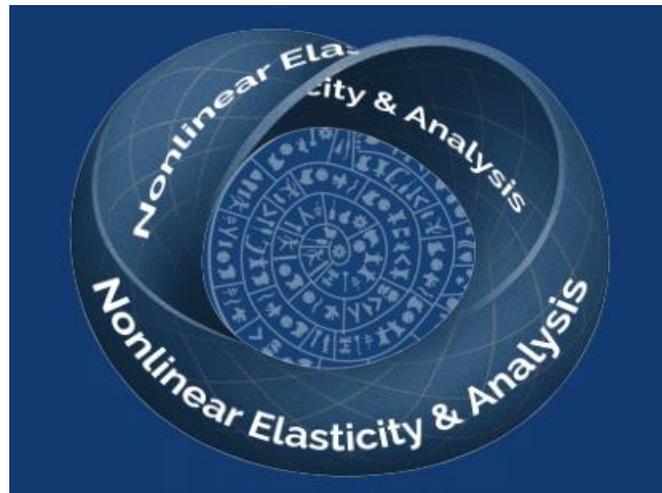


# 59th SNP Meeting Program

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**