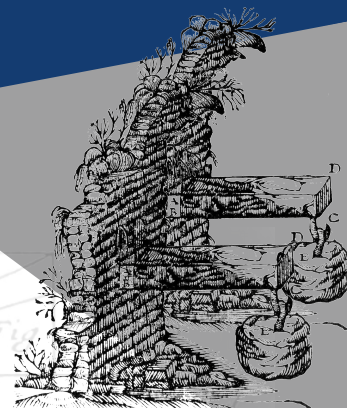




59TH MEETING OF THE SOCIETY FOR NATURAL PHILOSOPHY

Heraklion (Crete), June 11-13, 2025



Nonlinear Elasticity & Analysis

Truesdell Lecture

Sir John **Ball**

Heriot-Watt University (UK)

Complex martensitic microstructures in $Ti_{76}Nb_{22}Al_2$

Keynote Lectures

Barbora **Benešová**

Charles University, Prague (Czech Republic)

Linearization in elastodynamics

Konstantinos **Koumatos**

University of Sussex (UK)

On the role of quasiconvexity in dynamics

Stefan **Krömer**

UTIA, Czech Academy of Sciences, Prague (Czech Republic)

Elastic materials with microscopic, elastically rigid magnetic inclusions

Martin **Kružík**

Charles University, Prague (Czech Republic)

Positive temperature in nonlinear thermoviscoelasticity

Roberto **Paroni**

University of Pisa (Italy)

Towards a 1d model for tape spring devices

Athanasios **Tzavaras**

KAUST (Saudi Arabia)

Mathematical aspects of the equations of viscoelasticity with strain gradients

Roundtable

Loucas **Bouck** (Carnegie Mellon, USA)

Yi-Chao **Chen** (Houston, USA)

Ahmed **Elbanna** (Illinois, USA)

Salvatore **Federico** (Calgary, Canada)

George **Grekas** (KAUST, Saudi Arabia)

Alfio **Grillo** (Torino, Italy)

Arnav **Gupta** (Cornell, USA)

James **Hanna** (Nevada, USA)

Reuven **Segev** (Ben-Gurion, Israel)

Brian **Seguin** (Loyola, USA)

Organizers

Timothy J. **Healey** (Cornell University, USA)

Phoebus **Rosakis** (University of Crete,

IACM-FORTH, Greece)

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