

# AMS2025

Summer School  
Advanced Material Systems:  
Manufacturing • Characterization • Modeling

30/6 - 4/7, 2025  
Thessaloniki-GR

## Topics

- Shape Memory Alloys
- Additive Manufacturing of Phase Transforming Materials
- Porous Materials / Lattice Structures
- Micromechanics of Multifunctional Composites
- Modeling and Macro-scale Fracture in SMAs
- Machine learning & AI in mechanics

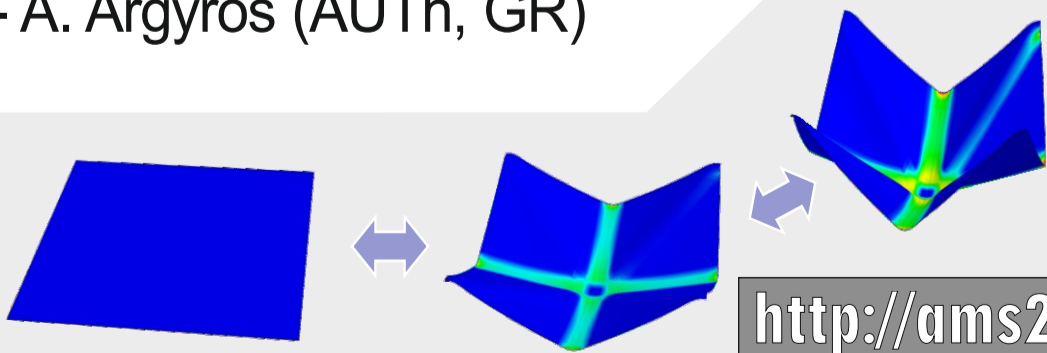
## Hands on

- Micromechanics & SMA Workshops
- Experimental measurement of effective properties

- Assignment and Presentation of Student Projects

## Instructors

- D. Lagoudas (TAMU, US)-Organizer
- N. Michailidis (AUTH, GR)-Organizer
- G. Chatzigeorgiou (ENSAM, FR)
- K. Tserpes (UPATRAS, GR)
- F. Stergioudi (AUTH, GR)
- M. Pappa (AUTH, GR)
- A. Prospathopoulos (AUTH, GR)
- A. Argyros (AUTH, GR)



<http://ams25.meng.auth.gr>

## Organizing Institutions



## Participating Institutions



## Under the Auspices

