

AMS2024

Summer School

Advanced Material Systems:
Manufacturing • Characterization • Modeling

July 1-5, 2024

Thessaloniki-GR

Topics

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

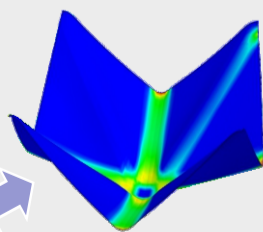
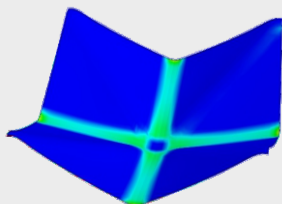
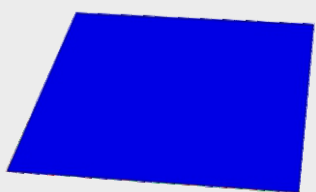
Hands on

- Micromechanics & SMA Workshops
- Experimental measurement of effective properties

- Assignment and Presentation of Student Projects

Instructors

- D. Lagoudas (TAMU, US)-Organizer
- N. Michailidis (AUTH, TAMU)-Organizer
- J. Wilkerson (TAMU, US)
- N. Bouklas (Cornell, US)
- G. Chatzigeorgiou (ENSAM, FR)
- F. Stergioudi (AUTH, GR)
- K. Katakalos (AUTH, GR)
- A. Argyros (AUTH, GR)



<http://ams24.meng.auth.gr>

Organizing Institutions



Participating Institutions



Under the Auspices

