

AMS2020

Summer School

Advanced Material Systems:
Manufacturing • Characterization • Modeling

July 20-24, 2020
Online Event

Topics

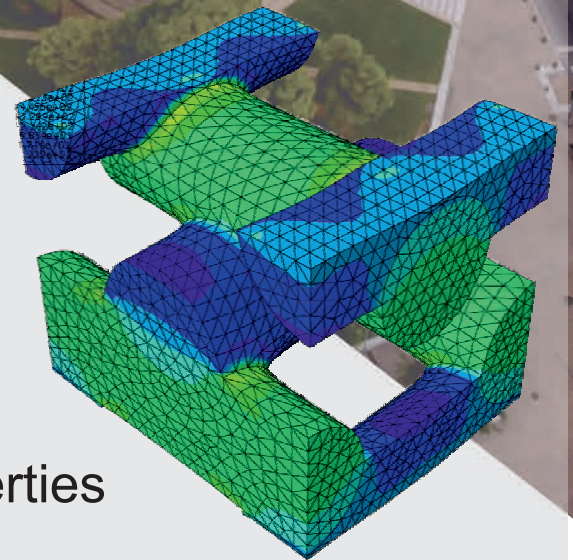
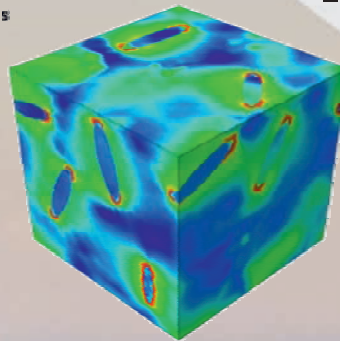
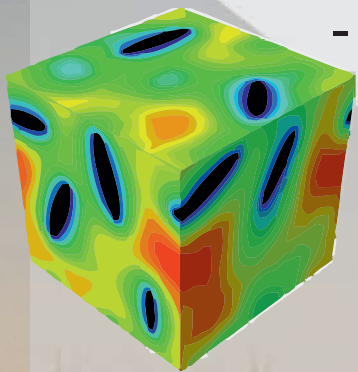
- Shape Memory Alloys (SMAs)
- Additive Manufacturing of Phase Transitioning Materials
- 3D Printing and Shape Memory Polymers
- Porous Materials
- Micromechanics of Multifunctional Composites
- Dynamic Behaviour of Materials with Microstructure
- Materials for Active Vibration Control
- Modeling and Prediction of Fracture in SMAs
- Optimization & Design of Morphing Structures
- Industrial Applications of Advanced Materials Systems: the examples of BETA CAE Systems and BOEING

Interactive

- Micromechanics & SMA Workshops
- Experimental measurement of effective elastic properties
- Assignment and Presentation of Student Projects

Instructors

- D. Lagoudas (TAMU, USA) - Organizer
- N. Michailidis (AUTH, GR) - Organizer
- I. Karaman (TAMU, USA)
- G. Chatzigeorgiou (ENSAM, FR)
- D. Saravanos (UPatras, GR)
- J. Wilkerson (TAMU, USA)
- J. Mabe (Boeing)
- I. Nerantzis (BETA CAE Systems)
- G. Seidel (VTEC, USA)
- T. Baxevanis (UH, USA)
- D. Hartl (TAMU, USA)
- F. Stergioudi (AUTH, GR)
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<http://ams20.web.auth.gr>

Organizing Institutions



Participating Institutions

