



Ευρωπαϊκή Ένωση
Ευρωπαϊκό Κοινωνικό Ταμείο



ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ
ΕΚΠΑΙΔΕΥΣΗ ΚΑΙ ΔΙΑ ΒΙΟΥ ΜΑΘΗΣΗ
επένδυση στην κοινωνία της γνώσης
ΥΠΟΥΡΓΕΙΟ ΠΑΙΔΕΙΑΣ ΚΑΙ ΘΡΗΣΚΕΥΜΑΤΩΝ
ΕΙΔΙΚΗ ΥΠΗΡΕΣΙΑ ΔΙΑΧΕΙΡΙΣΗΣ

Με τη συγχρηματοδότηση της Ελλάδας και της Ευρωπαϊκής Ένωσης



ΕΣΠΑ
2007-2013
Πρόγραμμα για την ανάπτυξη
ΕΥΡΩΠΑΪΚΟ ΚΟΙΝΩΝΙΚΟ ΤΑΜΕΙΟ

FINAL ERC-13/SEDEMP WORKSHOP

Aristotle University of Thessaloniki, 29-31 October 2015

Thursday, 29 October 2015

- 15.45-16.00:** E.C. Aifantis, AUTH–*Opening Remarks*
- 16.00-17.00:** I. Karapanagiotis, Ecclesiastical Academy–*Micro/Nanostructured Water Repellent Surfaces*
- 17.00-18.00:** M. Tsolaki, AUTH–*Alzheimer’s Disease and the Use of Mechanics Models for the Brain*
- 18.00-19.00:** G. Pavlos, DUTH– *Advances in Complexity Theory. Connection to Tsallis non Extensive Statistical Mechanics*
- 19.00-20.00:** *Break and Round Table Discussion*

Friday, 30 October 2015

- 09.30-10.30:** E.C. Aifantis, AUTH–*Micro/Nano Mechanics with Gradient Theory*
- 10.30-11.00:** I. Tsagrakis, AUTH–*Benchmark Problems in Gradient Mechanics*
- 11.00-11.30:** D. Tragoudaras, AUTH–*Benchmark Problems in Gradient Elasticity*
- 11.30-12.00:** K. Spiliotis, AUTH–*Dislocation Patterning Using Gradient Theory*
- 12.00-14.00:** *Lunch Break*
- 14.00-14.30:** G. Petsos, AUTH–*Nonlinear Deformation Waves*
- 14.30-15.00:** A. Iliopoulos, AUTH–*Statistical Aspects of Deformation Patterning and Tsallis q-Statistics*
- 15.00-16.00:** K. Lazopoulos, NTUA–*Fractional Strain*
- 16.00-17.00:** A. Konstantinidis, AUTH–*Gradient-Stochastic Models for Composite Micropillar Compression*
- 17.00- 18.00:** *Break and Round Table Discussion*

Saturday, 31 October 2015

- 09.30-10.00:** V. Eremeyev, AUTH–*Material Mechanics Modeling at Various Scales*
- 10.00- 10.30:** A. Kolesnikova, AUTH–*Boundary Value Problems for Defects in Solids*
- 10.30 - 11.00:** I. Zyganitidis/A. Sidiropoulos, AUTH–*Indentation Stress Fields through Gradient Elasticity*
- 11.00- 11.30:** K. Michos, AUTH–*Micropillar Compression Modeling*
- 11.30 - 12.00:** A. Kampouris, AUTH–*Indentation Hardness Modeling with Gradient Plasticity*
- 12.00 - 13.00:** *Break – Light Lunch*
- 13.00 - 13.30:** A. Tsampali, AUTH–*Double Diffusion Modeling*
- 13.30 - 14.00:** K. Lappas, AUTH–*Approximating Triple Diffusion in Nanostructured Materials*
- 14.00 - 14.30:** K. Stefanidis, AUTH–*Processing of Epilepsy Data*
- 14.30 - 15.00:** E. Mitridis, AUTH–*Processing of Simulation Data in Micropillar Compression*
- 15.00 - 16.00:** *Closing - Round Table Discussion*