



Αθήνα, 2/10/2018

## ΔΙΑΔΕΞΗ

**Ομιλητής: Κώστας Κουμάτος, University of Sussex**

**Τίτλος : « Quasiconvex elastodynamics: weak-strong uniqueness for dissipative measure-valued solutions»**

**Περίληψη:** A weak-strong uniqueness result is presented for a class of measure-valued solutions to the system of conservation laws arising in elastodynamics. The main novelty of this work is that the underlying stored-energy function is assumed strongly quasiconvex, a natural condition in elasticity, yet one not amenable to typical techniques in hyperbolic theory which are based on convexity. The proof borrows tools from the calculus of variations to prove a global Garding inequality for quasiconvex functions, and recasts them to adapt the relative entropy method to quasiconvex energies.

Η διάλεξη θα δοθεί την **Παρασκευή 5 Οκτωβρίου 2018** & ώρα **13:35**, στην Αίθουσα Σεμιναρίων του Τομέα Μαθηματικών, κτ. Ε', 2ος όροφος.

Η Επιτροπή Σεμιναρίων