

AVVISO DI SEMINARIO

Mercoledì 5 Ottobre 2016, alle ore **15:30**, nella stanza 18 del DiMIE (sala riunioni),
il Prof. Kurt Frischmuth, dell'Istituto di Matematica dell'Università di Rostock, terrà
un seminario dal titolo

CONSTITUTIVE MODELLING IN THERMOMECHANICS

Tutti gli interessati sono invitati a partecipare.

Abstract

The presentation gives a brief history of constitutive modeling in the context of nonlinear mechanics and thermodynamics. Classical approaches to visco-elasticity, visco-plasticity as examples of materials with memory are covered as well as models capable of describing second sound.

Mathematical consequences of assumptions, in particular with respect to well-posedness of initial-boundary value problems, are discussed. A coupled thermo-mechanical model is derived, and a simulation of interfering thermal and mechanical waves is presented.

The talk concludes with remarks on present trends in related fields of research and application.



Il Direttore del Dipartimento
(Prof. Onofrio Mario Di Vincenzo)

A handwritten signature in dark ink, appearing to read "of m di v", written over the printed name of the director.