

Rui Loja Fernandes

Instituto Superior Tecnico, Lisbon

will speak on

Stability of Leaves

ABSTRACT: I will start by recalling some classical results on stability of flows, of leaves of foliations (Reeb-Thurston stability), and of orbits of group actions (Stowe-Hirsch). Then I will explain a new result on stability of symplectic leaves in Poisson geometry (joint work with M. Crainic) and how all these results can be unified using Lie algebroids. Time permitting, I will state a conjecture related to KAM theory.

MONDAY, 13 FEBRUARY 2012

LECTURE AT 4:00 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3:30-5:00 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS