



Mês de: JUNHO 2012

**SEMINÁRIO DE ANÁLISE E EQUAÇÕES
DIFERENCIAIS**

Dia 14 de Junho (quinta-feira), às 13h30, na Sala B3-01

Towards an index theorem for semilinear wave equation

Alessandro Portaluri,

(Università del Salento, Lecce, Itália)

Abstract:

Many problems concerning differential equations are of a variational nature and hence the weak solutions are the critical points of some functional E . Here we are interested in the situation in which the functional is strongly indefinite (this is indeed the case for semilinear wave equations). We try to associate an appropriate substitute of the Morse index and a suitable Maslov-type index to the induced infinite dimensional Hamiltonian system.

Local:
**INSTITUTO PARA A INVESTIGAÇÃO
INTERDISCIPLINAR**
Av. Prof. Gama Pinto, 2
1649-003 Lisboa

