



The Department
of Mathematics
Faculty of Science

cordially invites you for a lecture on

**“Spectral Properties and Applications of
 (k, τ) -regular sets: an overview”**

given by

Professor Domingos Moreira Cardoso

University of Aveiro, Portugal

(Author of books and monographs)

on

Monday 28th April 2008

at

11.00 a.m.

in

Room 307 Maths & Physics Building

A (k, t) -regular set S is a vertex subset inducing a k -regular graph such that each vertex out of S has t neighbors in S . Started in 1981 by D. Thompson, this concept was further investigated (Cardoso/Rama, 2007). The (k, t) -regular sets formalize several classical problems: perfect matchings, Hamiltonian cycles and other spanning regular subgraphs. We present applications, the case of strongly regular graphs in particular.

Abstracts are available from the secretary upon request.

For details please contact Prof. I. Sciriha on irene.sciriha-aquilina@um.edu.mt