**Centro de Investigação em Matemática e Aplicações**
**Departamento de Matemática**

# Seminário

## 15 de Dezembro de 2011, Quinta-feira
## CLAV – Anf. 1 - 14:00 horas

# Using feedback control for the stabilization of partial differential equations

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# Resumo

The classical theory of feedback control for linear systems of ordinary differential equations can be extended, until certain point, to partial differential equations. We will make an overview of such methods concerning the stabilization and estimation problem and see how can they be applied to partial differential equations. We illustrate these ideas by presenting numerical simulations for some simple yet significant nonlinear problems.