Universidad Carlos III de Madrid
Department of Mathematics

COLLOQUIA

Tuesday, April 17, 2012.

Alfredo Bermúdez de Castro
Universidad de Santiago de Compostela

Numerical methods in electromagnetism and applications

Abstract:

Mathematical modelling of electromagnetic devices like electrodes, induction furnaces, microwave ovens or electric machines is a very useful tool in order to optimize their design and operation. In this talk we first recall some mathematical models in electromagnetism and then we give an overview of different mathematical formulations and their numerical solution by finite element methods. Finally we illustrate the use of this methodology by considering some industrial applications.

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Default Data

Time 10:45 to 11:45
Location Room 2.2.D08
Building Sabatini (2nd Floor)

Address

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