

Workshop on
**Computational
 Mathematics**
 February 1-2, 2007

SCIENTIFIC PROGRAMME

	Thursday, February 1	Friday, February 2
9.00 – 9.30	Reception	
9.30 - 10.30	Linda Green	Bob Mattheij
10.30 - 11.00	Adérito Araújo	João Luís Soares
11.00 - 11.30	Coffee Break	Coffee Break
11.30 - 12.00	Isabel Narra Figueiredo	Luís Nunes Vicente
12.00 - 12.30	Georg Stadler	Ana Luísa Custódio
12.30 - 13.00	Paula de Oliveira	Ismael Vaz
13.00 - 14.30	Lunch	Lunch
14.30 - 15.10	Luís Gouveia	Luís Trabucho de Campos
15.10 - 15.50	Luís Filipe Menezes	José Francisco Rodrigues
15.50 - 16.20	Coffee Break	Coffee Break
16.20 - 17.00	Filomena D'Almeida	António Mendes Ferreira
17.00 - 17.40	Paulo Oliveira	Adélia Sequeira
20.00	Workshop Dinner	

Lectures

Linda Green, Columbia University, USA
Using stationary queueing models to set staffing levels in nonstationary service systems

Robert Mattheij, TU Eindhoven, Netherlands
Some industrial problems from Eindhoven

Talks

Filomena Dias d'Almeida*, P. Vasconcelos, M. Ahues, A. Largillier

*University of Porto

Local approximate inverse and spectral computations for an integral operator

G. Bouchitté, Luís Trabuco de Campos*, L. Mascarenhas

*University of Lisbon

On the curvature and torsion effects in one and two dimensional waveguides

António Mendes Ferreira, University of Porto

Radial basis functions for the analysis of laminated structures

Luís Gouveia, University of Lisbon

On reformulations by discretization

Luís Filipe Menezes, University of Coimbra

Trimming and splitting of 3D solid hexahedral finite element meshes

Paulo Oliveira, University of Coimbra

Approximating from sparse discrete observations

José Francisco Rodrigues, CMUC and University of Lisbon

Systems of unilateral problems and applications

Adélia Sequeira, Technical University of Lisbon

Blood rheology: mathematical models and numerical simulations

Adérito Araújo*, D. M. G. Comissiong , G. Stadler,

*University of Coimbra

Segmenting medical images using level sets

Ana Luísa Custódio*, L.N. Vicente

*New University of Lisbon

Improving efficiency in direct search methods

Isabel Narra Figueiredo*, Team of the Project POCI/MAT/59502/2004 (FCT-Portugal Research Project)

*University of Coimbra

Analysis and design of smart structures and piezoelectric devices

Paula de Oliveira, University of Coimbra

Desorption in polymers

João Luís Soares, University of Coimbra

Call center staffing: a practical application

Georg Stadler, University of Texas , USA

Examples and numerical solution for large-scale inverse problems

A.L. Custódio , J.M. Fernandes, Ismael Vaz*, L. N. Vicente

*University of Minho

Application of direct search methods to parameter estimation in astrophysics

R. Silva, Luís Nunes Vicente*

*University of Coimbra

Large-scale nonlinear programming using interior-point and filter methods