

The Institute of Mathematics and its Applications
 Third International Conference on
 Boundary Integral Methods: Theory and Applications
 Tuesday 14 to Saturday 18 September, 2004
 University of Reading

incorporating an
 Interdisciplinary Workshop on Developments in
 Boundary Element Methods for Acoustics and Electromagnetics
 Wednesday 15 to Saturday 18 September, 2004

Provisional Programme for Tuesday and Saturday
 (The full programme will appear here on 7 September)

N.B. All lectures, lunch, tea, coffee are held in the New Agriculture Building, the lectures taking place in the Nike and Madejski Lecture Theatres.

Tuesday

8.30 onwards, Foyer Agriculture Building: Registration	
9.30-10.30 Nike LT: W. McLean: Short Course on Strongly Elliptic Systems and Boundary Integral Equations Lecture 1: Elliptic PDEs and Sobolev Spaces	
10.30-11.00 1L08 Coffee	
11.00-12.00 Nike LT W. McLean Lecture 2: Fredholm Property and Elliptic BVPs	
12.00-1.00 Nike LT W. McLean Lecture 3: Surface Potentials	
1.00-2.00 1L08 Lunch	
2.00-2.15 Madejski LT Opening/Welcome, Prof DC Berry, Pro-Vice Chancellor for Research	
2.15-2.55 Madejski LT C Schwab Wavelet Galerkin Methods for Boundary Integral Equations with Stochastic Data	
<i>Matrix Compression Methods</i> Madejski Lecture Theatre	<i>Fluid Mechanics</i> Nike Lecture Theatre
3.00-3.20 I G Graham Panel Clustering on Degenerate Meshes	3.00-3.20 N Kuznetsov An Indefinite Integral Equation Without Irregular Frequencies for the Floating Body Problem
3.20-3.40 S Börm \mathcal{H}^2 -Matrices with Adaptive Bases	3.20-3.40 A Curteanu Boundary Element Method and Laplacian Decomposition for Solving Stokes Problems
3.40-4.10 1L08 Tea/Coffee	
4.10-4.50 Madejski LT J-M Vanden-Broeck Three and Two Dimensional Nonlinear Free Surface Flows	
6.00 Windsor Hall Dinner	
8.00-9.00pm Nike LT W. McLean Lecture 4: Boundary Integral Equations	

Saturday

9.00-9.40 Madejski LT R Potthast New Methods in Inverse Scattering	
<i>WORKSHOP: Inverse Problems</i> Madjeski Lecture Theatre	<i>Elasticity</i> Nike Lecture Theatre
9.45-10.05 D Lesnic Boundary Element Regularization Methods for Solving the Cauchy Problem for the Helmholtz Equation	9.45-10.05 M Lim Boundary Layer Techniques for Deriving Properties of Composite Elastic Materials
10.05-10.25 C D Lines A Time Domain Point Source Method for Inverse Scattering by Rough Surfaces	10.05-10.25 S A Tatiana On the Evaluation of Strongly Singular Domain Integrals in Elasticity
10.25-11.00 1L08 Coffee	
11.00-11.40 Madjeski LT W McLean The Conditioning of Boundary Element Equations	
11.40-12.30 Madjeski LT M Bonnet Topological Sensitivity for 3D Elastic and Acoustic Inverse Scattering	
12.30-1.30 1L08 Lunch	
1.30 <i>End of Conference and Workshop</i>	