



The second
Wiener-Hopf Workshop
25-26 June 2012, Aberystwyth

MONDAY 25th JUNE

(Lecture Theatre A, Physical Sciences Building, Penglais Campus)

- 10:00 – 10:30 Registration
- 10:30 – 10:45 **G. Mishuris, A. Evans** – *Introduction and Welcome*
- 10:45 – 11:30 **D. Abrahams** - *An Application of the Wiener-Hopf Technique to the Pricing of Options in Mathematical Finance*
- 11:30 – 12:00 **M. Nieves** – *Propagation of Slepian's Crack in a Non-Uniform Elastic Lattice*
- 12:00 – 12:30 **M. Brun** – *Failure Waves in Periodically Supported Elastic Beams*
- LUNCH
- 14:00 – 14:45 **L. Castro** – *Wiener-Hopf and Wiener-Hopf-Hankel Operators with Piecewise-Almost Periodic Symbols on Weighted Lebesgue Spaces*
- 14:45 – 15:15 **O. Chkadua** – *Asymptotic Analysis of Interface Crack Problems for Metallic-Piezoelectric Composite Structures*
- 15:15 – 16:00 **L. Morini** – *Stroh Formalism for Interface Crack Problems in Anisotropic Material: An Alternative Approach for Avoiding Wiener-Hopf Technique*
- TEA AND COFFEE
- 16:30 – 17:15 **M. Peter** - *Water-Wave Reflection by Submerged Thin Horizontal Plates*
- 17:15 – 17:45 **E. Radi** – *Fracture in Microstructured Materials*
- DISCUSSION SESSION

TUESDAY 26th JUNE

(Lecture Theatre A, Physical Sciences Building, Penglais Campus)

- 09:00 – 09:45 **D. Natroshvili** – *Localized Boundary-Domain Integral Equations for Acoustic Scattering by an Inhomogeneous Anisotropic Obstacle*
- 09:45 – 10:05 **G. Chkadua** – *Mixed Type Boundary Value Problems for Polymetaharmonic Equations*
- 10:05 – 10:35 **V. Kisil** – *Local Principle and SIO on Nilpotent Lie Groups*
- TEA AND COFFEE
- 11:15 – 12:00 **S. Rogosin** – *Constructive Matrix Functions Factorisation*
- 12:00 – 12:20 **A. Kisil** – *Effective Approximate Solution for a Scalar Wiener-Hopf Problem*
- 12:20 – 12:50 **A. Piccolroaz** - *Fracture and waves propagation in bimaterial lattice structure*
- 12:50 – 13:00 **G. Mishuris** - *Closure*