

**Workshop 18 – 19 March 2010**  
**DIAS**  
**Stochastic modeling and Joint Inversion**

Venue: Library, 5 Merrion Square, Dublin 2

**Thursday 18 March**

9.30 am – 1.00 pm: Stochastic modelling

**KB Boomer:** Stochastically Enhanced Modelling of the Subsurface Structure

**Andrea Zunino:** A preliminary study on Monte Carlo joint inversion of traveltimes and gravity anomalies

**Estelle Roux:** Joint Inversion of long-period magnetotelluric data and surface-waves in a 1D anisotropic media

1 – 2 pm: Lunch

2 – 4 pm:

**Alan Jones:** Beyond chi2 – Measures of model fit to data

**Eric Mandolesi:** SGA joint inversion: geometrical approach

**Rick Brazier:** More than one type of uncertainty! Choosing objectives, smoothing and a final product

**Friday 19 March:**

9.30 am – 1 pm:

**Jordi Julia:** Joint inversion of receiver functions and dispersion velocities: a linear approach

**Pascal Tarits:** A joint inversion approach for magnetotelluric and CSEM with gravity data

**John Paul O Donnell:** Lithosphere-asthenosphere interaction beneath Ireland from joint inversion of teleseismic P-wave delay times and GRACE gravity

1 – 2 pm : Lunch

2 – 3 pm:

**Shane McGary:** A Joint Investigation of the Cascadia Subduction Zone using Seismic Migration and Magnetotelluric Methods: Preliminary Results and Future Directions

3 – 4pm: Discussions of where to go from here