



Engineering Group of the Geological Society
Environmental and Industrial Geophysics Group
Joint evening meeting



Date/time: 5:30pm Tuesday 9 December 2008

Venue: The Geological Society Burlington House, London

DEVELOPING THE GROUND MODEL: FIELD TECHNIQUES

In combination with other field techniques, geophysics can greatly assist with understanding the ground and developing the conceptual model. The meeting takes the opportunity to describe recent case studies where various geophysical methods and modern equipment have been integrated with other surveys, sampling and intrusive testing to understand the geology of a site.

The evening commences with a presentation on the development of a ground model in the offshore, geologically active environment of the Shannon Estuary. This will be followed by a case study where a variety of onshore geophysical techniques were used to optimise a major intrusive ground investigation. The final presentation is an example of an innovative application of 3D seismic reflection to identify dissolution features during site investigation. The meeting will be rounded off with an opportunity for questions.

Speakers are drawn from consultants, contractors and academia. The event is likely to be of considerable interest to professionals involved in ground investigation activities. The meeting also intends to reinforce the strong relationships between ground investigation and geophysics practitioners.

Programme:

Start time	Period	Activity
5:30pm	30	Tea and coffee in the library
6:00pm	5	Welcome and introduction (Richard Mellor)
6:05pm	30	Hydrographic, Geophysical & Intrusive Investigations in the Shannon Estuary (Dr Rosalind Turner, Coastal Scientist, Mott MacDonald Ltd)
6:35pm	30	The use of Land Geophysical Techniques to Target a Ground Investigation (Mike Wilson, Associate Director of Soil Mechanics, responsible for SM Pelorus)
7:05pm	30	3D Seismic Reflection Surveying for Site Investigation (Professor Neil Goulty, Professor of Applied Geophysics, Durham University)
7.35pm	15	Questions and thanks

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