



Engineering Group of the Geological Society



One Day Seminar

Date/time: 10.00am Wednesday 3 September 2008

Venue: The Geological Society Burlington House, London

ENGINEERING GEOLOGY AND EXPERIENCE IN THE EAST LONDON AND THE THAMES GATEWAY AREA

The East London and Thames Gateway area is a major focus for regeneration, redevelopment and growth. Recent years have seen many major and a host of smaller projects interfacing with ground, all of which have contributed to a greater understanding of the behaviour and nature of the ground conditions. This seminar has been conceived to capture that advance in knowledge and understanding. It is also intended as a vehicle to disseminate opportunities in the challenges lying ahead on some of the major projects either ongoing or planned.

Commencing with an overview of the geology of the area, the seminar will go on to examine advances in our understanding of the geological structure and material properties of the key formations. This will be followed by a series of case studies looking at the impact of the ground conditions on a range of significant projects with surface and subsurface engineering, both on land and over water. Generous time has been allowed for discussion within the sessions and during breaks in the proceedings.

The speakers are drawn from organisations across the spectrum and include eminent ground professionals from client, contracting and consulting organisations. The event is likely to be of considerable interest to all professionals involved in ground engineering activities in the geological formations of the region.

Programme:

Time

- 10.00 **Welcome and introduction** (Ivan Hodgson, Scott Wilson and Chair of the Engineering Group)
- 10.05 Overview of the area and the projects (Patrick Cox, Capita Symonds)
- 10.15 **Session 1** - The underlying issues (chaired by David Entwisle, British Geological Survey)
- 10.15 Overview of the geology of the area including reference to advanced modelling (Don Aldiss, British Geological Survey)
- 10.45 Review of experience in the Quaternary (Jane Corcoran, Head of Geoarchaeology, MoLAS)
- 11.15 Break - tea/coffee



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- 11.35 Recent lithological findings in the Lambeth Group and Thanet Sand Formation of east London - never a dull moment (Jackie Skipper, Senior Geologist, Geotechnical Consulting Group and Scientific Associate, Dept of Mineralogy, Natural History Museum Londo)
- 12.05 Chalk: its structure and engineering geology in east London (Rory Mortimore, Emeritus Professor of Engineering Geology, University of Brighton and ChalkRock Limited)
- 12.35 Discussion
- 12.45 Lunch
- 13.45 **Session 2** - Case Studies (chaired by Jackie Skipper)
- 13.45 Engineering properties applied at Canary Wharf (Duncan Nicholson, Director, Arup)
- 14.10 Investigations and construction of Thames Water infrastructure (John Harris, Geotechnical Team Leader, Thames Water)
- 14.35 Ground energy: an open-loop abstraction and recharge system in the Chalk aquifer at Greenwich Peninsula (Karen Mayo, Senior Hydrogeologist, Arup)
- 14.50 Results of Crossrail ground investigations at Canary Wharf in relation to identification of faulting and effects on groundwater flow (Kevin Parmassar, Engineering Geologist, Geotechnical Consulting Group)
- 15.15 Break - tea/coffee
- 15.35 **Session 3** - Case Studies (chaired by Patrick Cox)
- 15.35 The challenges of the ground at London 2012 (Jan Hellings, Project Sponsor for Enabling Works, Olympic Delivery Authority)
- 16.00 Ground conditions and foundations for the offshore wind turbines in the Thames Estuary (Morten Liingaard, Geotechnical Manager, Dong Energy/London Array)
- 16.25 The development of London Gateway Port specifically dealing with the dredging and reclamation development (Andrew Bowen, Senior Manager (Technical), Dubai Ports World)
- 16.50 The Thames Gateway Bridge (Peter Reading, Regional Manager, Environmental Service Group Limited)
- 17.15 Discussion
- 17.30 Closing remarks (Ivan Hodgson, Scott Wilson & Chair of the Engineering Group)
- After meeting drinks to follow

Convenor:

David Entwisle - British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham NG12 5GG. Tel: +44 (0)115 936 3100 / Fax: +44 (0)115 936 3200. Email: dce@bgs.ac.uk



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REGISTRATION INFORMATION

Please complete the Registration Form below and return to: **The Conference Office, The Geological Society, Burlington House, Piccadilly, London.** Tel: 0207 434 9944 Fax: 0207 494 0579 Email: georgina.worrall@geolsoc.org.uk

On-line registration is also possible through the Geological Society website www.geolsoc.org.uk.

All attendees are required to register. Registration includes attendance at the meeting, refreshments and buffet lunch. Student identification will be required. A receipt of payment will be sent to you once your registration form has been processed.. Notification of cancellation must be given at least 10 working days prior to the event for a full refund to be given. Registration questions should be directed to Georgina Worrall at the Conference Office on 0207 434 9944 or via email at georgina.worrall@geolsoc.org.uk

REGISTRATION FORM

Delegate Information

First Name: _____ Last Name: _____
 Position: _____ Affiliation: _____
 Address: _____ City/Town: _____ Post Code: _____
 Telephone No: _____ Email: _____
 Fellowship No. (if applicable): _____

Registration Fees

	Advance	No. required	Amount
<i>Members/Fellows of The Geological Society/Contributors</i>	£70		£
<i>Non-Members/Non-Fellows</i>	£95		£
<i>Full-Time Students/Unwaged/Retired</i>	£30		£
		Total Due	£

Please advise of any special dietary requirements

If registering for more than one person, please provide registration information for each delegate.

