



BRITISH TUNNELLING SOCIETY

Meetings Programme 2012

Date	Title	Speakers
19-Jan-12	<p>Tunnelling Induced Settlements in London Clay – Effects on Buildings</p> <p>Tunnel-induced ground movements and their effects on building and infrastructure, including the significance of a building's stiffness. Case histories where long term monitoring has been carried out. Emphasise the effects on adjacent infrastructures including buildings and tunnels</p>	<p>Prof Robert Mair (CambridgeUniversity); Jamie Standing (Imperial College); Keith Bowers (LU)</p>
16-Feb-12	<p>BTS / MinSouth Joint Event - Chile Mine Rescue</p> <p>A joint event with MinSouth. The presentation will look at the history of the San Hose mine, the collapse itself, the rescue attempts and the aftermath. It will discuss how such an incident could be dealt with should a repeat occur. It will explain how the borehole rescue techniques have successfully been used several times since the 1950s.</p>	<p>Brian Robinson, Mines Rescue Officer</p>
15-Mar-12	<p>High Pressure Compressed Air</p> <p>The meeting will launch the ITA / BTS Compressed Air Working Group "Guidelines for good working practice in high pressure compressed air". The speakers will highlight the requirements for high pressure compressed air work, including the impact on TBM design, and present experience to date in the UK and abroad.</p>	<p>Donald Lamont (Hyperbaric Consult); Werner Burger (Herrenknecht); Tony Ridley (Tony Ridley Hyperbaric); Claus Mayer (Nordseetaucher)</p>
19-Apr-12	<p>Harding Memorial Lecture</p> <p>Underground Infrastructure in the UK – meeting the future needs of society</p> <p>The UK is at a tipping point in economic infrastructure. We led the world in industrial development but as a result now have some of the oldest and most complex infrastructure in the world. It is increasingly in need of repair and replacement, and at the same time further infrastructure is needed to help provide growth, jobs and exports. The importance of infrastructure and the benefits of tunnelling are being recognised by our government. We need to rise to the challenge and get engaged!</p> <p>The lecture will look at the drivers of change in our industry, and some of the success stories of recent times. What is the shape of our industry in the future,</p>	<p>Bill Grose Director, Arup</p>

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	and how do we need to change in response? What technological advances and directions of research should the country take?	
17-May-12	AGM. Presentation to be confirmed	
14-June-12 (*a week early because of the Olympic shutdown)	<p>The Thames Water Lee Tunnel – London’s deepest and largest</p> <p>The 7.2m ID, 6.9km long Lee Tunnel is under construction in East London between the Beckton Sewage Treatment Works and the Abbey Mills Pumping Station complex. With depths ranging from 65m and 80m, it is London’s deepest tunnel. When completed in 2015, it will reduce by 40% the foul water discharges to the River Thames system in London.</p> <p>The presentation will include the design and construction of the double lined shafts, novel aspects of the main, and many other interesting facets of this huge and exciting project.</p>	Roger Mitchell, CH2M Hill; Scott McFadzen, Morgan Sindall; Jean-Christophe Galan, Vinci Construction
20-Sept-12	To be confirmed	
18-Oct-12	<p>Tunnel Security and Blast Analysis</p> <p>Blast protection design of transport tunnels</p>	
15-Nov-12	EPBM & Slurry Tunnelling Principals – Safe operational protocols for full-face TBMs	
13-Dec-12	Debate – This house believes tunnel projects in the UK are overstaffed and over specified	

- Tea and biscuits will be available at 5.30 PM
- Meetings will be held at the ICE unless otherwise stated
- Meetings will start at 6.00 PM & finish at 7.30 PM unless otherwise stated
- A licensed bar will be open after the meeting at the ICE
- A variety of foods will be served in the ICE Brasserie after each meeting
- Advance booking is not required

This list may be subject to changes

Details of each meeting will be sent to members with their monthly copies of T&TI
Should you have any query please contact the BTS Secretary at the Institution of Civil Engineers,
One Great George St, LondonSW1P 3AA. Tel 020 7665 2233, Fax 020 7799 1325
Email: bts@ice.org.uk Website: www.britishtunnelling.org.uk



BTS Young Members

Meetings Programme 2012

Date	Title	Speakers
31-Jan-12 (Tues)	Tunnelling at the Olympic Park As a part of the Olympic Delivery Authority's Learning Legacy project, presentations will be made on the PLUG (Powerlines Underground) and micro-tunnelled sewer tunnels projects at the Olympic Park.	Dom Ainger (Arup); Steve Woodrow (AECOM); Keith Pollard (J. Murphy & Sons Ltd)
27-Mar-12	Details to be confirmed	
29-May-12	Details to be confirmed	
04-Oct-12	Details to be confirmed	
01-Nov-12	AGM and presentation – details to be confirmed	

- * Meetings are open to all, young and old
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- * Meetings will start at 6.00 PM & finish at 7.30 PM unless otherwise stated
- * A licensed bar will be open after the meeting at the ICE
- * Advance booking is not required

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