

British Tunnelling Society

at the Institution of Civil Engineers

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NEWSLETTER

April 2009

INTRODUCTION

Welcome to April 2009's edition of the newsletter.

The Harding Prize had an excellent response this year and six entries in total were received by the Society. Thanks to all those who entered.

The three finalists were:

Bethan Haig – Mott Macdonald
A3 Hindhead Road Tunnels

Michele Mangione - ARUP
Segmental Opening Sets at King's Cross St. Pancras

David Naylor – Mott MacDonald
Hampton Pump Out Shaft – Problem Solving with
Appropriate, Construction Methods

The caliber of the presentations was excellent and, in a close vote, **Michele Mangione** was voted the winner by the judges.

Bob Ibell presents Michele Mangione of Arup with his Harding Prize 2009.



David Naylor of Mott MacDonald receives his runner up prize.



Bethan Haig of Mott MacDonald receives her runner up prize.

The prizes were as follows:

First Prize **£500 plus years membership of BTS**
Second Prize £200
Third Prize £50

Please e-mail Lawrence Halls for any further information required.

Lawrence.Halls@tam.uk.com

Please note that the secretariat of the BTS has changed from Kate Richmond to Owen Meredith

owen.meredith@ice.org.uk
020 7665 2316

INTERNATIONAL TUNNELLING ASSOCIATION

Contact: Donald.lamont@hse.gsi.gov.uk
Martin.Knights@jacobs.com

FUTURE MEETINGS and EVENTS

All meetings now start at the Institution at 18.00 unless stated, with tea and coffee on the lower ground floor from 17.30. The bar opens at 17.30 and is open until late. Flysheets on the details of the meetings are circulated in advance in T&TI and details are also posted on the website a month or so in advance of the meeting.

21 st May 2009	AGM and Informal Discussion – A3 Hindhead
18 th Jun 2009	Informal Discussion Sao Paolo
17 th Sep 2009	Seismic Response of Segmental Tunnel Linings

The BTS in association with the societies magazine Tunnels and Tunnelling International will be holding a Tunnelling Conference on Tuesday September 29th 2009

The conference will be held in Central London at the Queen Elizabeth II Conference centre

Further details will be announced in due course

David Court
David.Court@edmund-nuttall.co.uk

BTS WEBSITE

www.britishtunnelling.org.uk.
Any suggestions. Contact:
christopher.bambridge@mottmac.com

HEALTH & SAFETY

SAFETY, STANDARDS AND CODES UPDATE

Revision to BTS Specification - The BTS Specification is currently being revised and will be published by Thomas Telford later this year or early next. We would be grateful if you could provide any comments on the Specification or proposals for revision to Michael Francis (francism@pbworld.com)

TUNNEL DESIGN AND CONSTRUCTION COURSE 2009

The 2009 course will run from 15 - 19 June 2009 at Brunel University, Middlesex, UB8 3PH UK. This course is ideal for young consulting engineers and construction engineers at the start of their civil engineering careers. It will also be valuable to representatives from client organizations, or the financial and insurance sectors, with involvement in tunnelling projects.

Details are on :
www.britishtunnelling.org.uk/events.php

Please contact Lynn Richman for details
Lynn.Richman@mottmac.com
Tel: 020 8774 2291

YOUNG MEMBERS' COMMITTEE

The BTS Young Members' Committee continues to go from strength to strength and has organized itself into four sub-groups, Management, Promotion, Education and Support. They are also working on their own dedicated website and have already produced their first newsletter.

Join their mailing list – email
Kate.Woolley@mottmac.com

[Facebook](#) under BTTYM

Chair: Kate.Cooksey@morganest.com



Some of the BTSYM Committee at the Thames Tunnel Banquet in November 2008

ANNUAL DINNER

Annual Dinner – 8th May 2009 at 7.00pm for 7.30pm
(Carriages at 1am)
The Brewery, Chiswell St London EC1

The evening will begin with a champagne reception in the Brewery's King George III Room, after which we make our way to the Brewery's Porter Tun Room Banqueting Centre.

After the dinner and Chairman's address, our guest speaker will be Britt Ekland. The evening rounds off with a mix of networking, socialising and dancing, to recorded music.



Please book via the British Tunnelling Society on:
www.britishtunnelling.org.uk/dinner-info.php

btsdinner@jacobs.com

ONE DAY UNDERGROUND SAFETY COURSE

It is planned to hold this course again in 2009. Details will be available in due course.

LOBBY GROUP

APGUS Visit to Hindhead Tunnels

Shortly before Christmas last year, the All Party Parliamentary Group for Underground Space (APGUS) visited the Hindhead Tunnels. Led by Lobby Group Chairman Helen Natrass and APGUS Chairman the Rt Hon Nick Raynsford MP, the party consisted of MPs, Peers and a few members of the BTS Committee. Our hosts were the Highways Agency and Balfour Beatty. It was particularly apt to be greeted by the Project Director, Paul Hoyland, who is the current BTS Chairman. We

heard about the background to the project and some details about the construction methods adopted. Then skilful organisation ensured our party was able to get right to the face to view rock excavation in progress and then, in the adjacent tunnel, to see the application of shotcrete with a spraying robot. The chance to be close to the work at the face made a great impression on us; particularly for the Parliamentarians who rarely get an opportunity to experience tunnelling work in action. Over lunch there were opportunities to speak to the Parliamentarians informally about the project and wider concerns in the tunnelling and construction industries. All those in the party received a souvenir photograph taken at the face. I think those photos will be proudly on display in a number of offices in the Palace of Westminster.

Helen Natrass

Further information from Helen Natrass –
h.natrass@sir-robert-mcalpine.com
0207 220 2440



The APGUS visit to Hindhead

GOSSIP

Please send any interesting news about members to Andrew Hindmarch:
Andrew.Hindmarch@mottmac.com

OBITUARIES

Sir Alan Muir Wood Memorial Service

Thursday 4th June 2009 at St Margarets Church,
Westminster Abbey at 1pm.

A Memorial service will be held for Sir Alan Muir Wood on Thursday 4th June at St Margarets Church, Westminster Abbey at 1pm, followed by a reception at the Institution. Attendance will be by invitation only and tickets will be issued by the Institution. Any friend or colleague who would like to attend should inform the Secretary of the BTS by e-mail or letter giving their name, title, address, telephone number and e-mail address as soon as possible. It is also suggested that you give a short sentence on your connection with Sir Alan, in case numbers have to be restricted.

owen.meredith@ice.org.uk

BTS CLOSED FACE WORKING GROUP

Copies of the Report continue to sell well. The Report which costs £65.00 is available from Thomas Telford, (Tel 44 (0) 1892 832299, Fax 44 (0)1892 837272, orders@thomastelford.com or via the internet www.thomastelford.com) from the ICE bookshop at Great George Street and other outlets.

HAVS BEST PRACTICE GUIDE

The HAVS document which has had a significant contribution from the HSE provides the industry with a Current Best Practice Guide to the management of HAVS and is essential reading for all and is available on the website www.britishtunnelling.org.uk go into Working Groups and then safety.

CONFERENCES

Don't forget to look at the back pages of Tunnels & Tunnelling International and Tunnelling and Trenchless Construction for the conferences coming up over the next two years. Also the International Tunnelling Association website www.ita-aites.org

“Tunnels and Underground Spaces for Transportation & Urban Development”, 18-20 May 2009, Tehran, Iran

“World Tunnel Congress & 35th ITA General Assembly 2009 - Safe Tunnelling for the City and Environment", 23-28 May 2009, Budapest

“Shotcrete for Underground Support XI” 7-10 June 2009, Davos, Switzerland

“RETC 2009”, 14-17 June 2009, Las Vegas, USA

“Swiss Tunnel Congress”, 17-19 June 2009, Lucerne, Switzerland

“5th Symposium of Strait Crossings”, 22-25 June 2009, Trondheim, Norway

“EURO:TUN 2009”, 9-11 Sept 2009, Bochum, Germany

“9th International Symposium on Tunnel Construction and Underground Structures”, 16-18 Sept 2009, Ljubljana, Slovenia

“China's 4th International Symposium on Tunnelling” 28-30 October 2009, Shanghai, China

“Hong Kong Tunnelling Conference 2009 IOM3 Hong Kong Branch – Nov 2009. Hong Kong

“Nordic Symposium of Rock Grouting – Geotechnical Seminar Rock Mechanics/Engineering Seminar – Underground Space Seminar” 4-5 November 2009, Helsinki, Finland.

“Shock Impact Load on Structures 2009” 2-4 December 2009, Adelaide, Australia

“World Tunnel Congress '10 “Tunnel Vision towards 2020” and 36th ITA General Assembly” 14-20 May 2010, Vancouver, Canada.