

Joint BGA/BTS meeting

Tuesday 19th February at 18:00

Institution of Civil Engineers, One Great George Street, Westminster, SW1P 3AA

Water and Tunnelling - Lessons from 40 years of Interesting Problems

David Hartwell, the 2018 Skempton Medal Winner



David Hartwell was awarded the 13th Skempton medal by the BGA in 2018. In this lecture he will share his experience of 'Water and Tunnelling - Lessons from 40 years of Interesting Problems'

The talk will highlight David's experience in finding solutions to problems with groundwater associated with shafts and tunnels over the last 40 years. Along the way lessons were learnt, many of which do not appear in groundwater or soil mechanics text books.

Two major projects will be highlighted: the Storebaelt tunnels in Denmark including pressure relief for the cross passages and the MOSES offshore dewatering scheme. The second major project was the recovery of the flooded Docklands Light Rail tunnel under the river Thames; freezing was considered but the scheme adopted included wells in the river and horizontal wells drilled from within the tunnel.

Drinks reception sponsor by COWI

Programme

17:30 Tea/coffee - Brasserie
18:00 Lecture followed by Q & A
19:15 Drinks reception – ICE Café Bar

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Further information overleaf/

Biography

David Hartwell is recognised world-wide as a leading authority on groundwater and tunnelling and the interaction between the two. He has over forty years of experience investigating and developing practical solutions to groundwater related geotechnical issues for tunnels, heavy civil engineering and mining projects.



He has been extensively involved in developing state of the art solutions to major groundwater problems including the undersea Storebælt tunnels in Denmark, the recovery of the Docklands Light Railway (DLR) tunnels under the River Thames in London and collapsed Metro tunnels in Cairo. He has served on several review panels as a Groundwater Expert for international tunnel and excavation projects and litigation cases involving serious groundwater problems.

He has more than 20 published papers and has given invited lectures including at the launch of the publication Groundwater control: design and practice, 2nd edition (CIRIA C750).

Please join us in the ICE Café Bar afterwards for drinks sponsored by

COWI

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