



UNIVERSITY OF
BIRMINGHAM

Midland Geotechnical Society Meeting notice

www.midlandgeotechnicalsociety.org.uk

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Contact Us

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Meeting Venue

Lectures start 7pm

University of Birmingham

B15 2TT

Refreshments are

available prior to the

meeting in the Shell lounge, Department of

Mechanical and Civil

Engineering, from 6:15

onwards.

Talk kindly sponsored by:



Monday 5th February 2018

"Erosion and Land Loss: A Geotechnical Challenge"

David Shercliff, ABG Ltd
Lee Church, Concrete Canvas Ltd

Synopsis

Much empirical experience has been gained throughout Europe in using geosynthetics for erosion control. The design has evolved over the last 50 years from its early use in land reclamation and protection replacing willow/brushwood rafts. To add to practical experience testing and design development has occurred and many often-complex filter rules have been developed and publicised. However, it is often the case that designers do not have the luxury of sophisticated soil investigation reports for the intermittent embankment erosion schemes they have to design. The presentation seeks to point the designer to the established design rules but also highlights a new pragmatism developed more recently helping designers focus on more practical elements of installation through service life and maintenance and a greater emphasis on working with nature with a much simpler approach. Reference is also made to the concept of managed overtopping of embankments and the need for reinforced engineered vegetation with consideration of the technology of geosynthetic cementitious composite mats (GCCM) and their use.



Speaker 2: Lee Church is a Technician member of the ICE with 12 years' experience in Geotechnical Engineering, primarily in slope stability design and the development of erosion control solutions throughout the UK. Lee is responsible for the development of GCCM applications and providing erosion control solutions throughout the South of England.

About the Speakers:

Speaker 1: David, a Chartered Civil Engineer, started his career in site construction of major earth structures in highways and water treatment applications. He was invited to write the geosynthetics chapter of the "Rock Manual" and currently sits on European and International standards committees on behalf of the IGS UK Chapter representing BSI specifically on erosion control applications. David presentation will cover the state-of-the-art paper he was invited to present at the EuroGeo6 conference in the "Speciality Session" on erosion control.

Lectures Remaining in 2017/18 season:-

Date	Location	Speaker Name & Company	Title	Sponsor
5th March	University of Birmingham	Mike Streetly, ESI	Hydrogeological Interpretation @ Stonehenge	Applied Geology
9th April	University of Birmingham	TBC	John Mitchell Lecture 2018	Geotechnics
14th May	University of Birmingham	Ben De Waal, The Fiscal Incentives Group	Environmental lecture: Land remediation tax relief on brownfield/derelict sites	DTS-Raeburn