

“Erosion and Land Loss: A Geotechnical Challenge”

Speaker:

David Shercliff, Chief Engineer, ABG Ltd

Lee Church, Technical Sales Engineer, Concrete Canvas Ltd

Date:	Monday, 05 February 2018
Location:	Birmingham University (Haworth Lecture Theatre 101)
Arrival / Start Time:	18.30 for 19:00
Refreshments:	Yes

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.

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.

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.

Next IGS UK Event...

Title / Speaker: Case studies on performance of reinforced soils using recycled or waste as fill (Joint Presentation from Huesker/Geosyn/Bonar)

Date / Time: 18:30 on Monday 26th February

Venue: Manchester University, M13 9PL

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