



The
Geological
Society

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North West Regional Group

Meeting

Thursday 19th October 2017

Basics of Soil Slope Stability by Bob Seedhouse

This is our second lecture aimed at early career geologists and geotechnical engineers, following our highly successful lecture on the basics of compaction last year.

Major earthworks have been constructed since prehistoric times, but only within the last 100 years have reliable methods been developed to predict the stability of natural and artificial slopes, and our knowledge of soil slope stability is still developing.

Techniques of slope stability analysis, such as computer based 'slip circle analysis' will be familiar to most geotechnical practitioners, but understanding of the fundamental basis of soil behaviour of real soils can have a substantial effect on selection of parameters and ground models, and the reliability of the resulting designs.



The presentation will get back to the basics of soil behaviour and how this impacts on slope stability analysis, and how geological history and pre-failure behaviour of the ground can have surprising consequences.

Bob will present a practical engineer's view of the basis of slope stability analysis and design.

Bob Seedhouse is a chartered civil engineer and currently Technical Director for WSP UK Ltd based in Manchester, with responsibility for technical direction of geotechnical teams in the Midlands, North of England, Scotland and Northern Ireland.

He has some 39 years' experience in the industry with contractors, consultants and local authority, principally as a geotechnical specialist. He has extensive experience of design and construction of earthworks and stabilisation of landslides and earthworks failures throughout the United Kingdom, and has also acted as an expert witness in construction disputes including earthworks failures.

Lecture starts 6.30pm on 19.10.17

Venue: Williamson Lecture Theatre,
Manchester University, Oxford Road,
Manchester M13 9LP

<http://www.manchester.ac.uk/discover/maps/>
(opposite the Manchester Museum) The Lecture theatre is the first door left as you enter the building up the steps from Oxford Road.

Organised by the North West Regional Group of the Geological Society of London

For further information contact the group secretary, Catherine Kenny at:
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CPD: These events may be considered for contributing to a recognised Continuing Professional Development (CPD) scheme as part of personal development. Delegates should check their individual scheme requirements.