

UNIVERSITY OF
BIRMINGHAM

Midland Geotechnical Society

Meeting Notice

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Honorary Secretary:
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Meeting Venue

Lectures start 7pm

Haworth Lecture Theatre 101,
Chemistry, 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.

This lecture has been supported by sponsorship from:



Monday 5th March 2018

Mike Streetly, ESI consulting

Groundwater: dealing with uncertainty in sensitive settings

In this talk Mike will discuss how, where and why uncertainty usually arises in groundwater investigations and, based on three decades of experience, how this can be addressed through a structured development of the conceptual understanding of the local groundwater system. Mike will also show how groundwater modelling need not necessarily be a complex process and illustrate a range of different possible approaches to modelling. He will illustrate this with some of the work carried out to assess the likely impacts of dewatering in the original Stonehenge tunnel scheme.

About the speaker:

Mike Streetly is a very experienced hydrogeologist who is well known throughout the industry for his skills and experience in water resource assessment. He has strong numerical skills which have been applied to solving a wide variety of hydrogeological problems. He also has extensive practical experience, particularly in the design, installation and operation of hydrometric networks and pumping tests. He has published peer reviewed papers on a wide variety of groundwater related topics and was Associate Editor (Hydrogeology) of the Quarterly Journal of Engineering Geology and Hydrogeology for five years. During the three decades of his professional experience Mike has been responsible for water resource studies in all the major UK aquifers. This includes a substantial number of regional groundwater model studies for the Environment Agency as well as more site specific studies for most of the major UK water companies. He has a particularly strong record of developing quantitative understanding of the impacts of abstraction on hydroecology and Water Framework Directive status. Mike has also led a number of projects addressing water resource issues in the Middle east and Italy. He has also developed groundwater models to aid the assessment of dewatering impacts, assessing the feasibility groundwater flooding assessments, and contributing to an EIA for major infrastructure projects. Mike has been project manager for many dewatering/ hydrogeological impact assessments for the extractive industry including several of the largest limestone quarries in the UK through which he has developed strong skills in karst hydrogeology.