



THE CENTRAL SCOTLAND REGIONAL GROUP OF THE GEOLOGICAL SOCIETY

ATKINS
Member of the SNC-Lavalin Group

Notice of event: Wednesday 23 October 2019
Atkins, 200 Broomielaw, Glasgow, G1 4RU

5.45pm for 6:00pm

We will unfortunately be unable to grant entry before 5.45pm

The lines of evidence approach to challenges faced in engineering geological practice

Based on the 19th Glossop Medal lecture, 2018

by

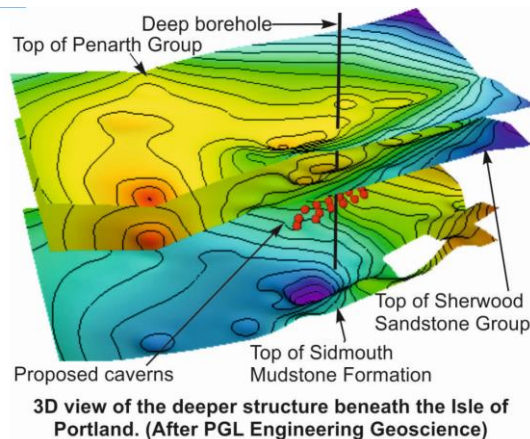
Kevin Privett

**Visiting Research Fellow, School of Earth & Environmental Sciences,
University of Portsmouth**

Dr Privett's career as a consultant in the geotechnical, mining and geo-environmental sectors has spanned the 40+ years that engineering geology has been well established as a discipline in its own right. The past is the key to the future: a better understanding of site history leads to better predictions of engineering behaviour of the ground. Engineering geology is a multi-faceted discipline that is ever expanding and there are three interlocking themes that enhance the skills of an engineering geological consultant:

1. working with multiple disciplines, being versatile and adaptable to change;
2. possessing a wide range of knowledge and experience; and
3. using lessons of the past.

Dr Privett will illustrate through the use of a range of case histories how these themes can provide multiple lines of evidence which reduce uncertainty and provide better understanding of projects in engineering geology.



More information on the Central Scotland Regional Group can be found on our [webpage](#).



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Presenter

Kevin Privett BSc PhD FGS

Visiting Research Fellow, School of Earth & Environmental Sciences, University of Portsmouth

Since completing his PhD at the University of Bristol in 1981 on superficially disturbed strata in the South Cotswolds, Dr Privett has worked as a consultant in engineering geology and land affected by contamination. His first role was as the in-house geotechnical specialist for Sir Robert McAlpine & Sons. Thereafter, he took on senior roles with a number of UK and international consultancies including Golder Associates, Applied Geology/Rust Environmental, SRK Consulting, and Hydrock Consultants. He worked also as an independent consultant for a time.

During this period he has gained broad-based experience in the civil engineering and mining sectors, handling the technical aspects of projects involving materials testing; temporary works; aggregates; site investigation; geomorphological mapping; contractual claims; contract research; foundations and foundation trials; risk assessment and remediation of contaminated land; hydrogeology; environmental impact assessment; physical containment barriers and landfill liners; ground gas; tailings management; mine feasibility; quarry safety; environmental due-diligence; mine-closure guidelines; soil and rock mechanics; slope stability; earthworks; highways; regulatory guidance and the development of Generic Assessment Criteria for contaminated land risk assessment.

Dr Privett has been an active Fellow of the Society; serving on a number of regional and national committees, convening meetings, acting as Treasurer and Chairman of the Engineering Group; as a member of the Periglacial & Glacial Engineering Geology Steering Group and a former assistant editor of the Quarterly Journal of Engineering Geology and Hydrogeology. He has edited and refereed papers for other journals and conference proceedings. He is the author of a number of scientific publications relating to engineering geology, soil mechanics, waste disposal, clay minerals and land affected by contamination.

Dr Privett strongly believes in the transfer of knowledge to future generations of engineering geologists and has been involved in mentoring and teaching over the years, including CPD courses, university lecturing, examination and MSc project supervision. He has held part-time lectureships on MSc courses at Cardiff University (Applied Environmental Geology) and the University of Portsmouth (Engineering Geology and Environmental Geology & Contamination). He is a former External Examiner for these two Portsmouth courses.

During his 40+ years professional career he gained the professional registrations CGeol, CSci, CEng, CEnv, EurGeol, EurIng, SiLC, RoGEP Adviser, FGS and FIMMM. He retired from professional practice as an Associate with Hydrock Consultants in 2016 and is now an honorary Visiting Research Fellow at the School of Earth & Environmental Sciences, University of Portsmouth.

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