

Lecture on 22nd May 2018:

Engineering Geology and Geomorphology of Glaciated and Periglaciated Terrains.

Presented By

Dr David Giles

(Principle Lecturer at University of Portsmouth)

The geology of the Quaternary Period is often overlooked on many undergraduate geoscience courses yet its legacy is highly significant for ground engineering and construction. All ground projects will encounter relict Quaternary terrains, deposits and landforms and their correct identification and interpretation is key to the success of any such engineering projects. The development of Quaternary ground models will help to communicate and understand the vertical and lateral variability of these environments, defining geological hazards that may be present and understanding the risks that they potentially pose.

This presentation will highlight the report developed by the Engineering Group Working Party on the Engineering Geology and Geomorphology of Glaciated and Periglaciated Terrains within a UK context. Case study examples will be presented to illustrate the hazards potentially encountered in these terrains and the diagnostic characteristics that the geologist should be aware of during the site investigation process in order to manage the uncertainty presented by these highly variable ground conditions.



David has over 30 years' experience in academia and industry, teaching at Portsmouth since 1991. His principal teaching and research areas include glacial and periglacial engineering geology, engineering geomorphology, landslides and slope stability, contaminated land, hazard and risk, geohazard management and remediation, spatial data modelling and geographical information systems, geostatistical techniques, remote sensing and image analysis. He is an active member of the Engineering Group of the Geological Society, a Scrutineer for Chartered Geologist applicants and an active member of Geological Society

Working Parties including UK Geohazards, Glacial and Periglacial Engineering Geology and the Engineering Geology of Artificial Ground.

Date: 22nd May 2018

Venue: The Geological Society, Burlington House, Piccadilly, London W1J 0BG

Refreshments from 18.00

Meeting starts at 18.30

It is expected to finish by about 19.30-20.00

This event is free of charge

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Directions to the venue:

