



# Engineering Group of the Geological Society

## EGGS AGM & Evening Meeting

5.30pm (AGM) 6.00pm (Presentation Start) 17<sup>th</sup> June 2008

Burlington House, London

## ENGINEERING GEOLOGY THROUGH THE CENTURIES

### Speakers

**Martin Culshaw, Helen Reeves, Ron Williams, Ted Rose, George Reeves,  
John Charman and Jim Griffiths**

William Smith was many things. As well as producing arguably the World's first modern geological map, he was a mine surveyor and canal engineer. He was also an engineering geologist. Later in the 19<sup>th</sup> century, engineering geologists published on landslides, tunnelling, cuttings and embankments and in 1862 Rankine published his book: 'A Manual of Civil Engineering' while in 1880 Penning published 'Engineering Geology'.

Later, in 1897, Woodward produced a memoir and map on the soils and subsoils of London and the country around it in response to enquiries to the Geological Survey about the siting of houses, the location of cemeteries and the identification of water supplies. This was followed, in 1907-8, by Lapworth's series of lectures to the Institution of Civil Engineers on 'The Principles of Engineering Geology'. The great Karl Terzaghi (1883-1963) was fully aware of the importance of engineering geology. This meeting will celebrate how engineering geology and engineering geologists have shaped and developed the application of geological science to the development of the UK's urban environment and infrastructure during the past 200 years.

The meeting will focus on the lives and achievements of five engineering geologists, who have made outstanding contributions to their profession and to science. The five engineering geologists are:

- William Smith (The father of Engineering Geology)
- Rudolph Glossop (1st Chair of the Engineering Group)
- Fred Shotton (A 'hero' of military Engineering Geology)
- William Dearman (The Engineering Geological Mapper)
- Peter Fookes (The conceptual geological model)

Martin Culshaw will introduce the meeting, explaining how the selection of the eminent engineering geologists was made and how the lessons of the past might influence the future development of engineering geology. This will be followed by short presentations on each eminent engineering geologist, with Jim Griffiths providing closing remarks.

#### Convenor:

David Waring – Atkins Limited, Woodcote Grove, Ashley Road, Epsom, Surrey. KT18 5BW. Tel: 01372 726140 / Fax: 01372 754499. Email: [david.waring@atkinsglobal.com](mailto:david.waring@atkinsglobal.com)



Geological Society  
Burlington House  
Piccadilly  
London SW1V 0JU  
Tel: +44 (0)20 7434 9944  
Fax: +44 (0)20 7439 8975  
Email: [enquiries@geolsoc.org.uk](mailto:enquiries@geolsoc.org.uk)  
Web: [www.geolsoc.org.uk](http://www.geolsoc.org.uk)

Engineering Group of the Geological Society  
Correspondence Address  
Mrs Tracey Radford  
Atkins  
Woodcode, Ashley Road, Epsom, Surrey. KT18 5BW  
Tel: 01372 754383  
Fax: 01372 754499  
Email: [tracey.radford@atkinsglobal.com](mailto:tracey.radford@atkinsglobal.com)

Registered Charity No. 210161