

FIRST ANNOUNCEMENT AND CALL FOR PAPERS

# A.W. SKEMPTON

## *Memorial Conference*

MONDAY 29 MARCH – WEDNESDAY 31 MARCH 2004



Sponsored by:

Imperial College London, British Geotechnical Association  
Geological Society of London, The Institution of Civil Engineers

A Conference is being held to celebrate the contributions made by Professor Sir Alec Skempton to geotechnical engineering. The aim is to review and discuss the most recent advances in the technical topics that were of greatest interest to Skempton. The Conference will be held over the three days running up to the 2004 Rankine Lecture, which many of the delegates may wish to attend.

The venue is the Royal Geographical Society, close to Imperial College London.

## PROGRAMME

---

There will be five Technical Sessions plus a Poster Session. The Poster Session, which will emphasise the work of younger researchers, will be held on the afternoon of the 31st of March and will be followed by the Rankine Lecture.

The programme has been developed to reflect Professor Skempton's strong interest in a wide range of themes. The focus will be on recent advances concerning

- the interplay between geology and engineering
- the behaviour of *natural* soils, in the laboratory and field
- analysis, practical applications and lessons learnt from field performance

Keynote papers will be presented in each of the five Technical Sessions by leading international figures, who will touch upon Skempton's contribution to each subject area.

Papers are invited from Authors who can offer original contributions on any of the above themes. While the Conference will be forward looking, papers on historical aspects of the key topics will be welcome. The Authors of some papers will be invited to present their contributions. Discussion sessions will be organised for each of the five main Technical Sessions, whose themes are summarised below:

### **Technical Session 1. The Influence of Geology on Civil Engineering**

Principles and case studies illustrating the importance of geology. Geological controls; soil genesis; importance of minor features. Development of appropriate geological frameworks. Site Investigation strategy.

### **Technical Session 2. Soil Behaviour, Characterisation and Modelling**

Advances in laboratory and field testing. Natural soil behaviour; effects of structure, anisotropy, strain level dependency; effects of time and strain rate. Brittleness, sensitivity, residual strength and unsaturated behaviour. Soil characterisation and modelling.

---

### **Technical Session 3. Slopes and Embankments**

Modern analytical methods. Rock fill and earth embankments; submarine slopes; saturated and unsaturated soil slopes; progressive failure. Case studies illustrating mechanisms or making important points of principle.

### **Technical Session 4. Foundations**

Limiting loads and ground displacements. Field behaviour and predictive methods for shallow and deep foundations. Advances in construction techniques and in field instrumentation. Soil-structure interaction.

### **Technical Session 5. Ground Performance and Building Response**

Geotechnical processes. Ground improvement and observational control. Case Histories.

**Poster Session to cover all of the above.**

## **TIMETABLE FOR ABSTRACTS AND PAPERS**

---

Prospective Authors are invited to submit abstracts of up to 200 words. The abstracts must be received by no later than 1st January 2003. The abstracts and papers will be reviewed rigorously by a scientific committee established with the help of the sponsoring bodies. The aim will be to ensure that the proceedings provide a fitting tribute to Professor Sir Alec Skempton. The abstracts should be sent along with a completed reply form to the address provided overleaf.

Abstract reviewing will be complete by February 2003 and draft papers will need to be submitted by 31st July 2003, with revised manuscripts being received up to November 2003.

**For further information visit the official Conference website:**

**[www.skemptonconference.com](http://www.skemptonconference.com)**

## **SPONSORS**

---



**Imperial College  
London**



**British Geotechnical  
Association**



**Geological Society  
of London**



**The Institution of  
Civil Engineers**

## **ACKNOWLEDGEMENT**

---

The colophon on the cover is from Coulomb's essay on earth pressure published in 1776.

---