



# CHARACTERISATION, MODELLING, CASE STUDIES, BENCHMARKING GÉOTECHNIQUE SYMPOSIUM IN PRINT

## 20 JUNE 2011 AT THE INSTITUTION OF CIVIL ENGINEERS

Compacted soils are relevant to geotechnical applications from earth dams to infrastructure embankments, nuclear waste disposal and rammed-earth buildings. Every geotechnical structure made of compacted soils will include sections that remain partly saturated at least for a period of its service life. The study of compacted unsaturated soils is therefore at the core of geotechnics and has been at the forefront of research for many years.

Nevertheless, design of earth fills has progressed slowly since the seminal work of Proctor in 1933 and this has been mainly due to the limited transfer of knowledge from academia to industry. The present *Géotechnique* Symposium in Print will contribute to reverse this trend by providing a unique scientific forum where researchers and practising engineers will learn from each other exchanging the latest knowledge and best practice.

The format of the symposium is centred on the presentation of papers and technical notes by leading international researchers followed by themed discussion sessions. There will also be two keynote lectures delivered by acknowledged experts who will take questions from the audience.

If you are interested in the rapidly developing topic of unsaturated soil mechanics and its application to compacted fills, this symposium is for you.

#### **Papers**

The nine papers and one technical note for the symposium will be published in the April and May 2011 issues of *Géotechnique*, giving delegates ample time to read through contributions in advance of the event. Further copies of the journal and past symposia will be available for purchase on the day.

#### **Keynote Lectures**

The two keynote lectures will be delivered by Professor Eduardo Alonso of the Universitat Politécnica de Catalunya, Spain and Professor Anthony O'Brien of Mott MacDonald, UK. The first keynote lecture will cover the behaviour of compacted soils from constitutive modelling to engineering analysis while the second keynote lecture will focus on the assessment of old earthworks.

### **Discussion Sessions**

At the heart of the symposium there will be four themed sessions devoted to

- Material characterisation
- Experimental observation and modelling
- Application to engineering problems and case studies
- Benchmarking of techniques and models

All the papers and the technical note will be presented by the authors in the relevant themed session. Following the presentations in each session there will be a discussion open to the audience led by a chairperson with the participation of the authors to enable lively and well-informed debate of key issues.

#### **Symposium Proceedings**

Following the symposium it is intended to publish a volume of proceedings. This will include the papers and technical note, keynote addresses and thematic summaries together with the edited formal discussions.

#### **Date and Venue**

The symposium will be held at 9.15am-5.45pm on Monday, 20 June 2011 at the Institution of Civil Engineers, One Great George Street, London SW1P 3AA, UK.

# **Registration Fees and Booking Procedure**

All fees include attendance at the symposium, delegate pack and catering.

Delegate £99 including 20% VAT Student\* £55 including 20% VAT \*subject to availability; please provide proof of eligibility

## **Booking & Enquiries**

Register your interest by visiting ice.org.uk/geotechniquesip

