

Cone penetration testing

in geotechnical practice

2 day workshop

15th – 16th April 2008
Watford, UK

Jointly organised by:
RPS Energy,
the Norwegian Geotechnical Institute (NGI)
& Building Research Establishment (BRE)

The Piezocone Penetrometer Test (PCPT) has become the geotechnical industry preferred in-situ testing system for site investigations in most soil conditions. This 2-day workshop will describe the test equipment, procedures and data collection and provide a guide to the interpretation of the PCPT results for typical geotechnical applications. The book entitled "PCPT in Geotechnical Practice" will be the primary reference for the workshop and a copy is included in the course fee. Advanced booking is recommended. The workshop materials include a copy of the International Reference Test Procedure (IRTP) and draft CEN/ISO standard.

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BRE, Bucknalls Lane
Watford, WD25 9XX UK

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Speakers

Tom Lunne is presently Manager of Offshore Soil Investigations in NGI. He has been in NGI for more than 30 years and has extensive experience in R&D and consulting services for projects involving in planning, performance and interpretation of PCPT/CPTU results.

John Powell is head of Ground Properties at the Building Research Establishment (BRE) in the UK. He has spent much of his career working with both interpretation and application of results to geotechnical design. He has of 25 years experience with the PCPT/CPTU.

Registration

Registration fees, (including one set of course notes, refreshments and lunch; plus a copy of the publication "Cone Penetration Testing in Geotechnical Practice").

£440.00 plus VAT @ 17.5 % : £517.00

Programme

Day 1

0900 – 0930	Registration and coffee
0930 - 1015	Historic overview, what do we measure with PCPT/CPTU, deployment and measurement systems
1015 – 1030	Comments and questions
1030 - 1115	CPTU data processing, corrections and accuracy, available standards and guidelines
1115 – 1145	Coffee break
1145 – 1215	Importance of quality control of data, onshore and offshore
1215 – 1230	Comments and questions
1230 – 1400	Lunch and demonstrations
1400 – 1430	Profiling and soil identification
1430 – 1515	CPTU derived parameters in sand
1515 – 1545	Tee/coffee
1545 – 1630	CPTU derived parameters in clay
1630 – 1700	Prepared contributions/questions from participants

Day 2

0830 - 0900	Coffee
0900 – 0930	Experience in other soil types (silt, chalk, peat ++)
0930 – 1015	Full flow penetrometers for increased accuracy in very soft clays
1015 – 1100	Other sensors; seismic cone, electrical resistivity, cone pressuremeter, nuclear density probes
1100 – 1130	Coffee break
1130 – 1215	Direct application of CPTU results: pile bearing capacity, compaction control, monitoring of reclaimed land, liquefaction potential
1215 – 1230	Comments and questions
1230 – 1330	Lunch and Equipment demonstrations
1330 – 1415	Examples and case histories
1415 – 1445	Sampling with PCPT equipment
1445 – 1530	Prepared contributions/questions from participants
1530 – 1545	Summing up and closure

Booking form

Name: _____

Organisation: _____

Address: _____

Postcode: _____

Tel: _____

E-Mail: _____

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We wish to enroll the following person(s) to the course

No _____ Name (s) Fee £ _____

Total Payable _____

Enclosed herewith a crossed cheque

No _____ for the sum of £ _____ issued in favour of "RPS Energy Limited". I/We understand that the fee is not refundable if I/we withdraw after my/our application is/are accepted by the Organising Committee but substitution of participants will be allowed. If I/We fail to attend the course, I/We will settle the registration in full.

Contact Name _____

Signature : _____

Date: _____

The logo for RPS Energy, featuring the letters 'RPS' in white on a dark blue square background, followed by the word 'Energy' in a white, sans-serif font.

RPS Energy

Please return to:
John Morse,
Director, Business Development
RPS Energy, Goldsworth House,
Denton Way, Goldsworth Park,
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