

Cone Penetration Testing - Two Day Workshop

- 2025 dates announced
 - 15 & 16 May 2024
 - In person delivery
 - Abertay University, Dundee
- Cost £499 + VAT per person
- CPD – 16 hours

Corporate training packages available on request



Cone Penetration Testing Workshop

Course Outline:

This two-day practical training workshop provides attendees with the skills and knowledge required to compile, assess and evaluate Cone Penetration Testing (CPT) data from Ground Investigations as well as an understanding of how this data can be applied to geotechnical design.

This workshop is the only workshop that allows attendees to both **collect and analyse** CPT data as well as applying the collected data to a real-life geotechnical engineering design. Data collection will be facilitated by Abertay University's Pagani TG 63-150.

This workshop will provide certificates to attendees and will provide 16 hours of CPD.

Cone Penetration Testing Workshop

Summary:

By the end of this workshop, attendees should have:

- An understanding of CPT operation and field requirements.
- An understanding of CPT and its application in geotechnical engineering practise.
- An understanding of the advantages and limitations of CPT in geotechnical engineering practise.
- An understanding of how to interpret CPT data for soil descriptions.
- An understanding of how to develop ground models using CPT data.
- An understanding of how CPT can be used in geotechnical engineering design.

Cone Penetration Testing Workshop

Course Content:

Day 1

- An overview of the history and development of CPT in geotechnical practise.
- An overview of the standards governing geotechnical investigations.
- An overview of how to plan geotechnical investigations.
- Risk assessment, hazard identification and an overview of in-situ quality control in CPT data collection.
- Field CPT data collection using Pagani TG 63-150.

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Course Content:

Day 2

- Practical interpretation of CPT data using Day 1 CPT data collected in the field.
- Interpretation of CPT to obtain soil descriptions.
- Development of ground models using CPT data.
- Interpretation of CPT data to obtain soil physical and mechanical properties relevant to geotechnical design.
- Application of collected CPT data to an example geotechnical design.
- An overview of different parameters relevant to other geotechnical designs.
- Analysis of previous case studies.

Cone Penetration Testing Workshop

Course Leader:

*Dr Ehsan Jorat,
Reader in Geo-Environmental Engineering
at Abertay University*



Previous Experience

Completed PhD in Geotechnical Engineering on the 'Advanced CPTu and laboratory investigation of geotechnically critical on-shore and near-shore soft sediments in Germany and New Zealand'

Geotechnical Lead for the SUCCESS project (Sustainable Urban Carbon Capture: Engineering Soils for Climate Change) which utilised CPT for in-situ geotechnical investigations

Experience in the application of CPT to evaluate landslides

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Course Leader:

*Dr Andrew Minto,
Lecturer in Civil Engineering at Abertay University*



Previous Experience

Completed PhD in Geotechnical Engineering

Extensive experience in the design and supervision of large ground investigation projects in varying ground conditions

Experienced in the interpretation of CPT data for obtaining soil properties relevant to geotechnical design

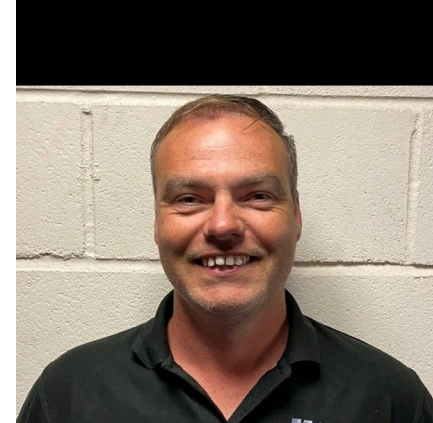
Experienced in geotechnical design using Eurocode 7

Experienced in experimental geotechnics research

Cone Penetration Testing Workshop

External expert speaker:

Chris White



Previous Experience

10 Years as UK Sales Agent for Pagani Geotechnical

Technical sales, training and sales support for Pagani Geotechnical CPT rigs and equipment

Experienced CPT operator, multi-purpose driller and in situ and specialist in-situ geotechnical testing engineer

Over 25 years experience in the Site Investigation Industry

About the Pagani TG 63-150

- Participants will have the chance to observe Abertay University's new CPT testing equipment in operation. It is easy to transport, providing a unique opportunity to gather and analyse data with this technology during the course.
- Other training, consultancy and testing services using the Pagani TG 63-150 are available – please contact us for more details



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- For more information, contact:
business@abertay.ac.uk
- Or book your place direct on our online store:
[CPT-WORKSHOP](#)