

# ICE Geotechnical Engineering Journal Symposium 2017

## Geotechnics in Energy Provision

Friday 23<sup>rd</sup> June 2017, 10:45 am  
(Tea and coffee from 10:00 am)

Fulton Building, University of Dundee, Dundee, DD1 4HN

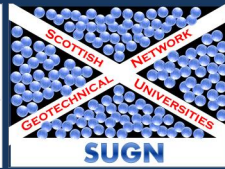
**FREE** registration

Time	Presentation title	Speaker
10:45 – 11:00	Welcome to Symposium	<b>Trevor Orr</b> Editor of ICE-GE Journal
<b>Section 1: Thermo-mechanical properties of soil and structures</b>		
11:00 – 11:30	Errors in soil thermal conductivity from a thermal cell test	<b>Fleur Loveridge</b> University of Leeds
11:30 – 12:00	Numerical modelling of thermo-active piles in London Clay	<b>David Taborda</b> Imperial College London
12:00 – 12:30	Energy performance of diaphragm walls used as heat exchangers	<b>Alice Di Donna</b> Politecnico di Torino
12:30 – 14:00	<i>Lunch and networking</i>	
<b>Section 2: Innovation in offshore renewables foundations</b>		
14:15 – 14:45	Chalk-steel Interface testing for marine energy foundations	<b>Andreas Ziogos</b> University of Dundee
14:45 – 15:15	Serviceability of Suction Caisson Founded Offshore Structures	<b>James Cox</b> Atkins
15:15 – 15:30	<i>Coffee break and networking</i>	
15:30 – 16:00	Effects of vertical loading on lateral screw pile performance	<b>Mike Brown</b> University of Dundee
16:00 – 16:30	Monopiles subjected to uni and multi-lateral cyclic loading	<b>Vinayagamoothy Sivakumar</b> Queen's University, Belfast
16:30 – 16:45	Closing remarks	<b>Anthony Leung</b> <b>Anh-Minh Nguyen</b> Editors of 2017 Themed Issue

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## Preface

Energy Geotechnics has received growing interest by institutions, academics and practitioners, understandably due to our society pressing needs on new forms of energy or on optimising existing supply technologies, be it nuclear, conventional and unconventional hydrocarbons fuels, thermo-active geo-structures, tidal wave or wind. Our geotechnical engineering community has taken up these challenges via a number of effective communication channels and grouping experts to form specialist committee, working on and achieving significant results over the last decade. To further advance the understandings in the field, the *ICE Geotechnical Engineering Journal* presents the Themed issue 2017, *Geotechnics in Energy Provision*. The papers received can be grouped into two main topics, **Thermo-mechanical properties of soil and structures** and **Innovation in offshore renewables foundations**. A wide range of research methods and new contributions, using laboratory element testing; small- and large-scale physical modelling; and advanced numerical modelling, are adopted. The findings illustrate notable recent developments in this field.

## Registration

Get your **FREE** ticket here: [https://ice\\_geotechnics-energy\\_symposium2017.eventbrite.co.uk](https://ice_geotechnics-energy_symposium2017.eventbrite.co.uk)

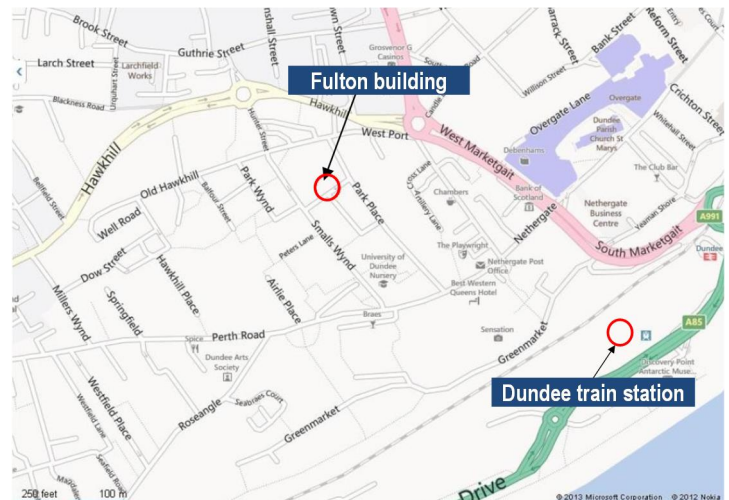
## What is included?

- ✓ A hardcopy of *ICE Geotechnical Engineering Journal* Themed Issue 2017
- ✓ Lunch and coffee breaks
- ✓ Networking and knowledge exchange of new scientific technological advancements

This event may be considered for contributing to a recognised **Continuing Professional Development (CPD)** scheme as part of personal development. Delegates should check their individual scheme requirements

## Venue

Room F20, Fulton Building, University of Dundee, Nethergate, Dundee, UK, DD1 4HN (Access from Small's Lane)



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