

The DFI and EFC 11th International Conference in the DFI series:



# GEOTECHNICAL CHALLENGES IN URBAN REGENERATION

26th - 28th May 2010, ExCeL London

DEEP FOUNDATIONS INSTITUTE  
**DFI**  
**EFC**  
2010 LONDON

SAVE  
£100!  
Register before  
26th February 2010.

Uniting industry elite from across the globe, this event promises to be the geotechnical forum of 2010.

Join leading speakers and industry experts:



**Professor Tom O'Rourke**  
Cornell University  
USA



**Professor David White**  
University of Western Australia  
AUSTRALIA



**Professor Malcolm Bolton**  
University of Cambridge  
UK



**John Armitt**  
Olympic Delivery Authority  
UK



**Professor Frits Van Tol**  
Delft University of Technology and Deltares  
THE NETHERLANDS



**Duncan Nicholson**  
Arup  
UK

## Five key reasons you should attend:

- 1. BE INSPIRED** by expert presentations from international speakers on today's hottest issues
- 2. JOIN** an extensive exhibition showcasing the latest advances in geotechnical engineering and view world class design and construction techniques at the forefront of your industry
- 3. EXPERIENCE** first hand examples of regeneration in practice with presentations and technical tours to the Canary Wharf Crossrail Station, the 2012 Games Site and the Thames Barrier
- 4. OPTIMISE YOUR LEARNING** by participating in interactive panel debates, poster sessions, extensive presentations, and tours across three full days of conference activity
- 5. MEET AND NETWORK** with hundreds of fellow consultants, geotechnical engineers, clients and contractors as they share best practice in an international arena



Media Partners



Linked **in**.

Join our network on LinkedIn

BRITISH AIRWAYS

Save upto 20% on your flight to the event

Register online at:  
**www.geotechnicalconference.com**

Produced by:

**emap** networks



# GEOTECHNICAL CHALLENGES IN URBAN REGENERATION

26th - 28th May 2010,

PROGRAMME

## DAY ONE: LET'S GET TECHNICAL

Wednesday 26th May 2010

- 08.15 Registration, refreshments and networking
- 09.00 **Welcome Address**  
Chair: **David Sherwood**, Chairman, **Bachy Soletanche (UK)**  
**John Mitchell Memorial Lecture**  
**Professor Tom O'Rourke**, Professor of Engineering, School of Civil and Environmental Engineering, **Cornell University (USA)**
- 10.00 **Predicting and controlling ground movements around deep excavations**  
Chair: **Rab Fernie**, Chief Engineer, **Cementation Skanska (UK)**  
**KEYNOTE ADDRESS: Professor Malcolm Bolton**, Head of Geotechnical and Environmental Engineering Group, **University of Cambridge (UK)**
- 11.00 Morning refreshments
- 11.30 **Deep basements and underground excavations**  
Chair: **Francis J. Arland PE**, Partner, **Mueser Rutledge Consulting Engineers (USA)**  
Rapporteur: **Hans Joachim-Bliss**, Board Member, **BAUER Spezialtiefbau GmbH (Germany)**
- 13.00 Networking lunch
- 14.00 **Soil displacement piles from installation technology to performance**  
Chair: **Matthew Janes**, President, **Resonance Technology International (Canada)**

**KEYNOTE ADDRESS: Novel pile foundations: Jacking, rotary jacking and optimised sheet piles**  
**Professor David White**, Professor, Centre for Offshore Foundation Systems, **University of Western Australia (Australia)**

15.30 Afternoon refreshments

16.00 **Special foundation solutions for urban regeneration**

Chair: **Christian Gilbert**, Corporate Director of Design and Method Expert Departments, **Soletanche Bachy (France)**  
**Rapporteur: Professor Frits van Tol**, Professor of Foundation Engineering, **Delft University of Technology**, and Member of the Scientific Board, **Deltares (The Netherlands)**

17.30 **Exhibition**

## EVENING SOCIAL PROGRAMME

18.00 **Evening Drinks Reception**



## DAY TWO: OUT AND ABOUT

Thursday 27th May 2010

- 09.00 **Chair's opening remarks**  
**Jim Cook**, Director, Ground Engineering, **Buro Happold (UK)**
- 09.10 **Getting the Olympics going**  
**John Armit**, Chairman, **Olympic Delivery Authority (UK)**
- 09.45 **Sustainable development from an architectural and landscape perspective, Lower Lea Valley**  
**Jason Prior**, President, **AECOM Design + Planning (UK)**
- 10.30 Morning refreshments
- 11.00 **London's infrastructure needs – Crossrail**  
Senior Representative, **Crossrail**
- 11.30 **The geotechnical challenges of constructing Crossrail**  
Senior Representative, **Crossrail**
- 12.00 **The flood risk to London**  
**Alan Travers**, Director, **Buro Happold (UK)**

12.30 Networking lunch

13.30 **TECHNICAL TOURS**

**Canary Wharf Crossrail Station**  
**2012 Games Construction Site**  
**Thames Barrier**

Please note, delegates can choose to attend one technical tour. Places are allocated on a first come, first served basis. Look out for new additions to the agenda – coming soon!

## EVENING SOCIAL PROGRAMME

19.00 **Drinks Reception and Gala Dinner**



Register online at:

[www.geotechnicalconference.com](http://www.geotechnicalconference.com)

## DAY THREE: SERIOUS DEBATE AND EXCHANGE

Friday 28th May 2010

09.00 **Design, construction and contracting risk**  
Chair: **Maurice Bottiau**, Group Commercial Director, **Franki Foundations Group (Belgium)**  
**KEYNOTE ADDRESS: Safety as a driver for innovation in underground construction**  
**Alan Powderham**, Director, **Mott MacDonald (UK)**  
**Vision of the contractual relationship and risk management in the US**  
**James A. Morrison PE**, Engineering Services Group Manager, **Kiewit Construction Company (USA)**  
**The perspective of the general contractor**  
**Soil risk**  
**Panel Discussion**

10.30 Morning refreshments

11.00 **Developing young engineers for the future**  
Chair: **Mandy Korff**, Business Development Manager, **Deltares (The Netherlands)**  
**KEYNOTE ADDRESS: Risk management: Essential part of education of geotechnical engineers**  
**Professor Frits van Tol**, Professor of Foundation Engineering, **Delft University of Technology**, and Member of the Scientific Board, **Deltares (The Netherlands)**  
**Panel Discussion**

12.30 Networking lunch

13.30 **Sustainability in the foundation industry**  
Chair: **Tony Butcher**, Associate, **BRE (UK)**  
**Sustainability – what does this mean for the deep foundation industry?**  
**Tony Suckling**, Associate, **Arup Geotechnics (UK)**  
**Chris Harman**, Managing Director, **Ceecom Construction (UK)**

15.00 Afternoon refreshments

15.30 **Lessons learnt from failures of geotechnical works**  
Chair: **David Sherwood**, Chairman, **Bachy Soletanche (UK)**  
Panel presenters:  
**Lessons learned from the Central Artery (The 'Big Dig')**  
**Tom O'Rourke**, Professor of Engineering School of Civil and Environmental Engineering, **Cornell University (USA)**  
**Design risk control through to construction**  
**Duncan Nicholson**, Director, **Arup (UK)**  
**Reducing geotechnical failures: Dutch experience**  
**Martin van Staveren**, Risk Management Expert, **Deltares and Delft University of Technology (The Netherlands)**  
**Monitoring systems: improving safety and reducing risk**  
**Raul Fuentes**, **University College London and Arup (UK)**  
**Piling and retaining wall problems in South East Asia**  
**Professor Colin Leung Chun Fai**, Department of Civil Engineering, **National University of Singapore**

17.00 Close of conference

## PAPERS

“Exceptional conferences stem from excellent papers, an impressive delegate list and superb organisation at a stunning venue. London 2010 aims to achieve all of these and we look forward to providing you with an enjoyable and enlightening experience”  
(David Sherwood, 2010 Organising Committee Chairman)

There was an overwhelming response to the Call for Papers announced in March, with over 150 abstracts received from participants in **20 countries** including:

**The Netherlands ~ Germany ~ Italy ~ USA ~ France ~ Pakistan ~ Iran ~ Spain ~ Thailand ~ Austria ~ Czech Republic ~ Ireland ~ Japan ~ South Korea ~ Switzerland ~ Sweden ~ Egypt ~ Australia ~ Austria ~ Portugal ~UK.**

**Over 20 papers** will be selected for presentation at the conference, and delegates will receive a proceedings book (published in black and white) and CD of submitted papers. This event will help facilitate peer to peer learning and stimulate discussion on the most recent research and advances in our industry; **an excellent forum for information exchange!**

## 2010 JOHN MITCHELL MEMORIAL LECTURE

Wednesday 26th May 2010

### PRESENTATION SUMMARY:



**Professor O'Rourke will summarise lessons learned for geotechnical engineering associated with urban regeneration. He will focus on case histories associated with urban renewal in a variety of cities including Boston, New York City, San Francisco, Los Angeles, and New Orleans. His presentation will cover geotechnical issues related to transportation, water supplies, and energy delivery. Addressing the resilience and sustainability of urban systems with consideration for natural hazards such as floods, earthquakes, and drought.**

### PRESENTER BIOGRAPHY:

Professor O'Rourke is the Thomas R. Briggs Professor of Engineering in the School of Civil and Environmental Engineering at Cornell University. He is a member of the US National Academy of Engineering and a Fellow of American Association for the Advancement of Science. He has received several awards from professional societies, including the Collingwood, Huber Research, C. Martin Duke Lifeline Earthquake Engineering, Stephen D. Bechtel Pipeline Engineering, and Ralph B. Peck Awards from American Society of Civil Engineers (ASCE), Hogentogler Award from American Society for Testing and Materials, Rankine Lecture sponsored by the British Geotechnical Association, Trevithick Prize from the British Institution of Civil Engineers, and Japan Gas and Earthquake Engineering Research Institute (EERI) Awards for outstanding papers.



## COMPANIONS PROGRAMME\*

### **A new bursary scheme to support the attendance of young engineers at the DFI and EFC 11th International Conference is now in operation.**

The bursary scheme is designed to allow younger members of the engineering profession to attend the conference and is being funded by a number of supporting organisations.

Up to 60 young engineers stand to benefit from the scheme. To qualify for entry, applicants must have less than ten years postgraduate experience in the profession. Entrants must be able to demonstrate how they plan to develop their career in foundations and ground engineering.

Successful applicants will gain financial assistance to attend the conference at a heavily discounted rate and a contribution will be made towards their accommodation and travelling expenses.

Online application forms are available on the conference website at [www.geotechnicalconference.com/yep](http://www.geotechnicalconference.com/yep)

#### **Deadline:**

The closing date for applications is **Friday 27 November 2009.**

A Companions' Welcome meeting will take place at 09.00am on Wednesday 26th May 2010 where all participants will be briefed and provided with the programme agenda.

### **Wednesday 26th May**

09.30 - **City Walking Tour with the Tower of London**  
17.00

18.30 **Welcome Drinks Reception**  
**(with conference attendees)**

### **Thursday 27th May**

09.30 - **Half day tour of London with the London Eye**  
14.30

19.30 **Gala Dinner**  
**(with conference attendees – separate ticket required. Book your place for £100 + VAT)**

### **Friday 28th May**

09.30 - **Kensington Palace Tour**  
13.30

\* Programme subject to change

For further details visit [www.geotechnicalconference.com/companions](http://www.geotechnicalconference.com/companions)

Find out more about the programme and supporters at [www.geotechnicalconference.com/yep](http://www.geotechnicalconference.com/yep)



## 2010 VENUE INFORMATION

### **ExCeL London, the international exhibition and conference centre, will play host to the 2010 DFI and EFC International Conference.**

ExCeL London delivers a variety of events from award winning exhibitions and conferences to international association meetings, product launches, banquets, award ceremonies, sporting events and great days out.

Situated in a stunning waterfront location, ExCeL London is located in the heart of London's Royal Docks, within easy reach of Central London.

The venue is part of a 100 acre campus, including 3 onsite DLR stations, easy access to the Jubilee Line and London City Airport, parking for 4,000 cars, 5 on-site hotels and numerous on-site bars and restaurants.



Platinum  
SUITE



**BRITISH AIRWAYS**



**SAVE UP TO 20% on your flight to the event with British Airways! You will receive a unique code when registering, to qualify for your special discounted rate.**

[www.geotechnicalconference.com](http://www.geotechnicalconference.com)

## ABOUT THE CONFERENCE:

The DFI and EFFC International conferences are now an established event in the international geotechnical calendar. This London Conference promises to be the leading international forum for networking and information exchange in 2010.

The main conference agenda will feature presentations, papers, panel debates and poster sessions around 5 core themes, to include:

- Predicting and controlling ground movements around deep excavations
- Deep basements and underground structures
- Soil displacement piles from installation technology performance
- Design, construction and contractual risk
- Lessons learnt from failures of geotechnical works

One of the central themes for discussion will be **sustainability**. For many engineering practitioners, sustainability in all of its aspects is a major challenge of the next decade not least for urban regeneration. Our excellent speaker line-up, topical themes and case studies will demonstrate how the foundations industry will respond to this challenge!

**A good mix of theory and practice**  
(Director, Van Elle Ltd)

## ORGANISING COMMITTEE:

The organising committee is a team of internationally recognised experts in the deep foundations industry, who are dedicating their time and expertise to the development of the conference agenda, technical tours and networking programme.



**COMMITTEE CHAIRMAN**  
**David Sherwood,**  
Bachy Soletanche Ltd  
**UK**



**Maurice Bottiau,**  
Franki Foundations  
Group  
**Belgium**



**Chris Primett,**  
Per Aarsleff (UK) Ltd  
**UK**



**Tony Butcher,**  
BRE  
**UK**



**John Patch,**  
Roger Bullivant Ltd  
**UK**



**Tim Chapman,**  
Arup  
**UK**



**Rab Fernie,**  
Cementation Skanska Ltd  
**UK**



**Jim Cook,**  
Buro Happold  
**UK**



**Theresa Rappaport,**  
DFI  
**USA**



**Henk de Koning,**  
DFI Europe  
**The Netherlands**



**Malcolm Bolton,**  
University of Cambridge  
**UK**



**Dianne Jennings,**  
EFFC  
**UK**

## EVENT PARTNERS:



### About DFI

The Deep Foundations Institute (DFI) has gathered professionals in the deep foundations sector of the construction industry, to create a place for discussion, inquiry and debate for over 30 years. An international organisation, DFI has membership from over 40 countries across 6 continents. Visit [www.dfi.org](http://www.dfi.org)



### About EFFC

The European Federation of Foundation Contractors (EFFC) produce through its network of officers, national co-ordinators, working groups and executive committee, detailed guidance documents on a wide range of industry-relevant topics, from dispute resolution to joint venture contracts, to the use of on-line bidding and much more. Visit [www.foundationworld.org.uk](http://www.foundationworld.org.uk)

## emap networks

### About Emap Networks

Emap Networks maintains an undiluted focus on excellence in the production of conferences, festivals, summits, clubs and congresses. Emap Conferences and events are an essential resource for all those working within the retail, media, government, health, education and built environment sectors.

Media Partners



Supporters



Join our network on LinkedIn by searching for Geotechnical Challenges in Urban Regeneration

## SPONSORSHIP AND EXHIBITION:



### WHY SPONSOR?

As a sponsor you will benefit from a bespoke solution that has been tailored to match your objectives. Whether you're looking for increased brand awareness, thought leader positioning, new business development or a combination of all three, this global event will give you the access you need.

The exhibition provides an ideal platform for you to showcase your products and services, and demonstrate your position as a market leader in piling and deep foundations.

### Sponsorship is offered at five levels:

**Diamond • Platinum • Gold • Silver • Bronze**

To discuss how you can take advantage of our sponsorship solutions or join the extensive onsite exhibition, contact **Brian Reffell**, Tel: 0207 728 5257 or email: [Brian.Reffell@emap.com](mailto:Brian.Reffell@emap.com)

Register online at: [www.geotechnicalconference.com](http://www.geotechnicalconference.com)

