

### 3<sup>rd</sup> June 2009 – DAY ONE

- 10:00 Registration & Coffee
- 10:30 Welcome, **Tracey Radford**, *Atkins Ltd*  
 Opening Address, **Ginny Clarke**, *Chief Highways Engineer, Highways Agency*  
 PIARC and Earthworks – an overview **Alex Kidd**, *Highways Agency*
- 11:00 Session 1 – Chaired by **Alex Kidd**, *Highways Agency*  
 Optimum use of material,  
**Dirk Heyer**, *Technical University of Munich*  
 Various aspects of the Belgium HST Earthworks,  
**Bernard Dethy**, *Belgian Road Research Centre*  
 Specifications and Control in Earthworks,  
**Guy Raoul**, *SPTF*  
 Selection of moisture content for suitable fill,  
**Turlough Johnston**, *AGEC*  
 Use of lightweight fill – a case study from A421,  
**Stephen Beales**, *Scott Wilson*  
 Discussion
- 12:30 Lunch
- 13:45 Session 2 – Chaired by **Ursula Lawrence**, *Crossrail*  
 Quality control,  
**John Ferguson**, *Balfour Beatty*  
 Intelligent compaction,  
**Dietmar Adam**, *Vienna University of Technology*  
 Intelligent compaction and continuous road compaction – the US Experience,  
**Michael Mooney**, *Colorado School of Mines*  
 Czech standards and specifications for earthworks,  
**Viteslav Herle**, *Stavebni Geologie Geotechnika*  
 A1 Poland – Polish earthworks practice on a large project,  
**Piotr Janiszewski**, *Skanska Poland*  
 Performance Specifications,  
**Paul Fleming**, *Loughborough University*  
 Discussion
- 15:20 Refreshment Break
- 15:50 Session 3 – Chaired by **Peter Gilbert**, *Atkins Ltd*  
 European Standards and Specifications  
**Jean-Pierre Magnan**, *LCPC*  
 The work of TC3 and how it links to earthworks – an overview of euro co-ordination  
**Antonio Gomes Correia**, *University of Minho*  
 BS6031 update and UK overall approach to earthworks  
**Donald Lamont**, *Health and Safety Executive*  
 EC7 design of slopes – problems and resolutions  
**Andrew Bond**, *GeoCentrix*  
 Spanish Technical Regulations  
**Enrique Dapena**, *Cedex*  
 Highly over-consolidated clays and flysch for high embankments  
**Ana Petkovsek and Bojan Majes**, *University of Ljubljana*
- 17:30 'Research and Practice Showcase' Poster Session & Drinks
- 19:00 Evening Event at the Science Museum
- 22:30 End of Day One

## 4<sup>th</sup> June 2009 – DAY TWO

- 09:00 Coffee
- 09:30 Session 4 – Chaired by **Anna Pearson**, *Arup*  
 Geotechnical Risk and Performance  
     **John Perry**, *Mott MacDonald*  
 Airdrie to Bathgate case study - mineworkings, remediation and earthworks ,  
     **Scott O'Neill**, *Scott Wilson Kirk Patrick*  
 Experiences from the Design and Construction of the Greek Motorway Network  
     **Ioannis Fikiris**, *EDAFOS*  
 NHBC warranty of sites via data capture and performance criteria  
     **Simon Barrett**, *NHBC*  
 Olympics 2012 - an earthworks challenge  
     **Jan Hellings**, *Olympic Delivery Authority*  
 National Road N210 - Construction Experience and Monitoring  
     **Harmut Hangen**, *Huesker*  
 Discussion
- 11:05 Coffee Break
- 11:30 Session 5 – Chaired by **Tracey Radford**, *Atkins Ltd*  
 Measuring and mitigation of environmental impact,  
     **Nick O'Riordan**, *Arup*  
 Management of environmental issues in earthworks,  
     **tbc**, *Network Rail*  
 Appropriation of recycled material and locally won soils as fills in geogrid reinforced structures  
     **Omar Naciri**, *Tensar*  
 Waste management and re-use of earthworks materials  
     **Christina Leafe**, *Atkins Ltd*  
 Discussion
- 12:45 LUNCH
- 14:00 Session 6 – Chaired by **Ivan Hodgson**, *Scott Wilson Kirkpatrick*  
 Asset management and climate change  
     **Derek Butcher**, *Network Rail*  
 Long term performance of earthworks on soft ground  
     **Arne Schram Simonsen**, *MultiConsult*  
**Biological and Engineering Impacts of Climate Change on Slopes**  
     **David Toll**, *University of Durham*  
 Management of dyke structures in Holland  
     **Hans Nieuwenhuys**, *NEN*  
 Use of Electrokinetic Geosynthetics for slope stabilisation  
     **John Lamont-Black**, *Newcastle University*  
 Earthworks in Portugal  
     **Emanuel Maranha das Neves**, *Tech University of Lisbon*  
**Climate Impact Forecasting For Slopes**  
     **Neil Dixon**, *Loughborough University*  
 Discussion
- 15:45 Close and Thank you by **Alex Kidd**, *Highways Agency*
- 16:00 Seminar close