



International Society for Micropiles (ISM)

Agenda for Technical Presentations

International Workshop on Micropiles
London, England
May 10-13, 2009

Sunday, May 10, 2009

5:00-5:30 PM **Session Chairmen Meeting (Small Board Room, *HMS President*)**

6:00 PM **Registration and Welcome Reception (Ballroom, *HMS President*)**

Monday, May 11, 2009*

8:00-8:30 AM **Tea, coffee and biscuits (Gun Room, *HMS President*)**

8:30-10:30 AM **Technical Session 1: Welcome, Introductions and Invited Speakers**
Chair: Mark Hinton, Branlow Piling Solutions, UK

- Welcomes
 - Local Organizing Committee, *Mark Hinton*, Branlow Piling Solutions, U.K.
 - ISM Chairman *Dr. Jouko Lehtonen*, Turku University of Applied Sciences, Finland
 - Dr. Fedele Lizzi, representing Dr. Fernando Lizzi Family
- 5th Lizzi Lecture: Micropiles in Middle Age: Triumphs, Failures and Challenges, *Dr. Donald A. Bruce*, Geosystems, L.P., U.S.A.
- Geology and Micropiling in the U.K., *Michael Turner*, Applied Geotechnical Engineering Ltd., U.K.
- 4th Lizzi Scholarship Recipient: Micropiles – The Green Choice, *James Amos*, Balfour Beatty Ground Engineering, U.K.
- Statistical Analysis of Field Demonstration at the 8th International Workshop on Micropiles in Toronto, Canada, *Nadir Ansari*, Isherwood Associates, Canada

10:30-10:45 AM **Break (Gun Room)**

10:45 AM -12:45 PM **Technical Session 2: Design and Research & Development (1)**
Chair: Allen Cadden, Schnabel Engineering, USA

- New Database for Drilled and Grouted Micropiles to Estimate Displacements, *Ernst Ischebeck*, Friedr. Ischebeck GmbH, Germany
- Efficient Arrays of Laterally Loaded Micropiles, *Andrew Baxter*, Schnabel Engineering, USA
- Some Lessons Learnt from the French National Research Project on Micropiles, *Dr. Roger Frank*, Ecole des Ponts Paris Tech, CERMES, France

12:45-1:45 PM **Lunch aboard *HMS President* (Gun Room)**

Monday, May 11, 2009* (cont'd)

1:45-3:45 PM

Technical Session 3: Innovations in Materials and Practices

Chair: Dr. Jouko Lehtonen, Turku University of Applied Sciences, Finland

- DSI - Ductile Iron Micropile, *Florian Stuetzel*, Dywidag-Systems International, Germany
- Video Inspection of Micropile Rock Sockets in New York City, *Larry Johnsen*, Heller and Johnsen, USA
- The Use of Post-Grouting Systems for Micropiles, *Chris Irvin*, Dywidag-Systems International, U.K.
- Assessment of Existing Foundations and Foundation Improvement using Micropile Groups, *L. Begaj Qerimi*, Skanska, U.K.
- Development of New Micropiling Method Enhancing Frictional Resistance with Geotextile Pack, *Changho Choi*, Korea Institute of Construction Technology, Korea and Full Scale Load Tests for Micropiles, *Jeong Min Goo*, Korea Institute of Construction Technology, Korea

3:45-4:00 PM

Break (Gun Room)

4:00-6:00 PM

Technical Session 4: Design, Construction and Testing

Chair: Ernst Ischebeck, Fried. Ischebeck GmbH, Germany

- U.K. Micropiling Practice - Selected Case Studies, *Mark Hinton*, Branlow Piling Solutions, U.K.
- Post-Underpinning Settlement of Micropile Underpinning Projects in Turku, *Dr. Jouko Lehtonen*, Turku University of Applied Sciences, Finland
- Continuous Grout Flushed Micropile Foundations for a New Rail Overpass, *Jim Bruce*, Geo-Foundations Contractors, Canada
- Alternative Solution for Drilled Micropiles for the Portimao Municipal Museum, *José Matos e Silva*, Lisbon Technical University, Portugal

6:00-8:00 PM

Steering Committee Meeting (by invitation) (Ward Room)

Free Evening

Tuesday, May 12, 2009*

8:00-8:30 AM Light Breakfast

8:30-10:30 AM Technical Session 5: Design and R&D (2)

Chair: Dr. Roger Frank, Ecole des Ponts Paris Tech, CERMES, France

- Bond Strength of Micropile/Grout/Concrete Interfaces in RC Footings Strengthened with Micropiles, *João Veludo*, Polytechnic University of Leiria, Portugal
- ADSC-DFI Micropile Committee – Recent Activities, *Dan MacLean*, CON-TECH Systems, Ltd., Canada
- Note to Actual Design of Micropiles Under Axial Cyclic Loading in Germany According to DIN 1054:2005-01 and Further Guidelines, *Jennifer Kleih*, Zentrum Geotechnik Technical University at Munich, Germany
- Research Projects on Micropile Networks at City University, *Mark Hinton*, Branlow Piling Solutions, U.K.
- Long-term Performance Assessment of Micropiles under Monotonic and Cyclic Axial Loading, *Dr. G. Mitchell Weinstein*, Polytechnic Institute of NYU, USA

10:30-10:45 AM Break

10:45 AM-12:45 PM Technical Session 6: Urban Works

Chair: Michael Turner, Applied Geotechnical Engineering Ltd., U.K.

- A Case Study of Micropiling in the Urban Environment, *Jaehyeung Jeoung*, Korea Institute of Construction Technology, Korea
- Part 1 - Static Load Testing of Piles in Restricted Access - An Opportunity for Change, *Stuart Bradshaw*, Terrain Geotechnical Consultants, Ltd., U.K.
- High Capacity Micropile Groups for the Cannon Place Redevelopment in London, *Jim Martin*, Byland Engineering Ltd., U.K.
- Mixed Foundations Utilising Micropiles in Urban Redevelopments, *Mike Turner*, Applied Geotechnical Engineering, Ltd., U.K.
- Duration of Micropile Underpinning Projects in Turku, *Dr. Jouko Lehtonen*, Turku University of Applied Science, Finland

12:45-1:45 PM Lunch aboard *HMS President*



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Agenda for Technical Presentations

Tuesday, May 12, 2009* (continued)

1:45-3:45 PM

Technical Session 7: Load Testing (1)

Chair: Prof. Erik Loehr, Univ. of Missouri Columbia, U.S.A.

- Pile Loading Tests of Titan Injection Micropiles at an Industrial Plant in North Vancouver, *Bill Telford*, GeoPacific Consultants, Ltd., Canada
- In Situ Test of Steel Core Micropiles in Limestone Bedrock in Sweden, *Wilhelm Rankka*, SGI - Swedish Geotechnical Institute, Sweden
- Pseudo-Elastic Response and Performance of Micropiles, *Dr. Terence Holman*, Moretrench American Corporation, USA
- Part 2 - Static Load Testing of Piles in Restricted Areas - An Opportunity for Change, *Stuart Bradshaw*, Terrain Geotechnical Consultants, Ltd., U.K.

3:45-4:00 PM

Break (Gun Room)

4:00-5:00 PM

Breakout Sessions

5:00-6:00 PM

Free time

6:00 PM -

Gala Dinner Event aboard *HMS President* (Ball Room)



International Society for Micropiles (ISM)

Agenda for Technical Presentations

Wednesday, May 13, 2009*

8:00-8:30 AM Tea, coffee and pastries (Gun Room)

8:30-10:30 AM Technical Session 8: Load Testing 2

Chair: Nadir Ansari, Isherwood Associates, Canada

- Static "Micro" Micropile Load Capacity and Verification by Dynamic Load Testing, *Glen Mann*, Creative Engineering Opportunities, USA
- A Decade of Load Hold Capacity Across Western Canada, *Cory Yacyshyn*, North American Construction Group, Canada
- Self-Drilled Hollow Bar Micropiles – Applications, Corrosion Protection and Specialist Measures Required for Load Testing, *Chris Irvin*, Dywidag-Systems International, U.K.
- Dynamic Load Testing of Micropiles, *Clif Kettle*, Soletanche-Bachy, U.K.

10:30-10:45 AM Break (Gun Room)

10:45-12:45 PM Technical Session 9: Difficult and Unusual Loading Conditions

Chair: Dr. Donald Bruce, Geosystems, L.P., USA

- Drilled Micropiles – Design and Practice in France, *Andre Jaubertou*, Soletanche-Bachy, France
- Design, Inspection and Construction Challenges of Installing Micropiles in Karst Terrain, *Shad Hoover*, CMT Laboratories, Inc., USA
- Stabilizing the Devil Slide with Hollow Bar, Grout Injection Bored (IBO) Micropiles for Caltrans, *Horst Aschenbroich*, CON-TECH Systems, Canada
- Support of an Excavation Face with Micropiles, *Jerald Bishop*, Geotechnical Design Systems, Inc., USA

12:45-1:00 PM Closing Remarks

1:00-2:00 PM Lunch with Delegates and Companions aboard HMS President

2:00-6:00 PM Half-Day River Cruise with London Eye Flight with Companions