



ISSMGE TC 211 GROUND IMPROVEMENT NEWSLETTER n°3, December 2011

Dear Reader,

As promised in our second Newsletter we would like to inform you about the on-going progress with the organization of IS-GI Brussels 2012 and the Short Courses on Wednesday 30 May 2012. This Newsletter contains the full programme of the 3 Short Courses.

1 Organizing Committee

After the first meeting in Lille (France) on 11 May 2011, other meetings of the Organizing Committee took place in Brussels on 17 June, 29 September and 7 December. So the Organizing Committee is working very hard to offer you all a very well organized symposium in Brussels next year. Below a picture taken during the last meeting on the 7th of December.





2 Sponsoring:

The Organizing Committee acknowledges the support of 17 companies, subdivided as follows:

6 Platinum Sponsors

9 Gold Sponsors

2 Silver Sponsor.

It has been decided to limit the number of Platinum Sponsors to 6. So actually additional sponsoring is only possible for Gold and Silver. Sponsoring conditions can be found on the symposium website www.bbri.be/go/IS-GI-2012.

PLATINUM SPONSORS



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3 Short courses:

The programs for the 3 short courses on Wednesday 30th of May have been finalized and are given below. Please note that the program may be subject to minor changes. Participants will be informed accordingly.

The proceedings of the short courses will contain the powerpoint presentations. Participants to the short courses will only receive the proceedings of the Short Course they are attending.

<p>SC 1: MARINE GROUND IMPROVEMENT</p> 	<p>Coordinators: <i>M. Van Den Broeck, DEME, Belgium</i> <i>S. Bretelle, GHD, Australia</i> <i>Ph. Liausu, MÉNARD, France</i></p>
<p>PROGRAMME</p>	
<p>09h30 – 10h00 : General Overview of Ground Improvement methods, <i>P. Mengé, DEME, Belgium</i> 10h00 – 10h30 : Overview of major geotechnical concerns, <i>M. Van Den Broeck, DEME, Belgium</i> 10h30 – 11h00 : Site investigations for Marine Ground Improvement, <i>S. Bretelle, GHD, Australia</i></p> <p>11h30 – 12h00 : Dynamic compaction and replacement, <i>Ph. Liausu, Ménard, France</i> 12h00 – 12h30 : Vibroflotation, <i>S. Lambert, Keller France</i> 12h30 – 13h00 : Rapid Impact Compaction, <i>J. Dykstra, COFRA, The Netherlands</i></p> <p>14h00 – 14h30 : Consolidation PVD, <i>I. Chu, Iowa State University, USA-Singapore</i> 14h30 – 15h00 : Vacuumconsolidation, <i>B. Indraratna, University of Wollongong, Australia</i> 15h00 – 15h30 : Soft Soil Improvement, <i>M. Van Den Broeck, DEME, Belgium</i></p> <p>16h00 – 16h30 : Reuse of dredged material, Project AMORAS 16h30 – 17h30 : Case studies, <i>P. Mengé and M. Van Den Broeck, DEME, Belgium</i> 17h40 – 17h55 : Discussion</p> <p>18h00 – 20h00 : Reception</p>	
<p>During the presentations special attention will be given to the specific issues for underwater ground improvement design and to monitoring and quality control (constraints and practical solutions).</p>	



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SC 2 : DEEP MIXING

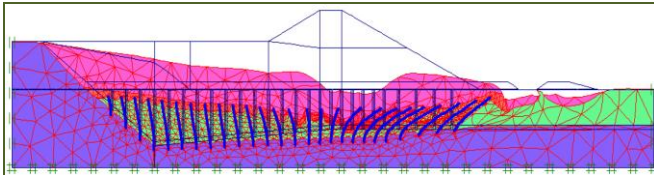


Coordinators:

*J. Maertens, Jan Maertens BVBA & KU Leuven, Belgium
N. Denies and N. Huybrechts, Belgian Building Research Institute, Belgium*

PROGRAMME

- 09h30 – 10h15 : General Overview, *A. Puppala, University of Texas, USA*
 10h15 – 11h00 : Deep Mixing in contaminated soils, *A. Al-Tabbaa, Cambridge University*
- 11h30 – 12h30 : Deep Mixing Equipment:
 Bauer, Germany
 Solétanche Bachy, France
 Liebherr, D. Quasthoff, Germany
- 12h30 – 13h00 : Discussion
- 14h00 – 14h45 : Deep Mixing Research Belgian Building research Institute, *N. Denies*
 14h45 – 15h05 : Deep Mixing Research KU Leuven, *A. Vervoort*
 15h05 – 15h25 : Deep Mixing research Ghent University, *D Verastegui*
 15h25 – 15h40 : Discussion
- 16h10 – 16h40 : Deep Mixing Design, *G. Filz, Virginia Tech, USA*
 16h40 – 17h10 : Deep Mixing Monitoring, *Noel Huybrechts, BBRI, Belgium*
 17h10 – 17h40 : Case study, *E. Leemans, ABEF & Soiltech, Belgium*
 17h40 – 17h55 : Discussion
- 18h00 – 20h00 : Reception

**SC3: RIGID INCLUSIONS AND SOIL REINFORCEMENT****Coordinators:**

T. Durgunoglu, Zeats Zenin Teknolojisi A.A., Turkey,

B. Simon, TERRASOL, France

J. Sankey, The Reinforced Earth Company, USA

PROGRAMME**RIGID INCLUSIONS**

- 09h30 – 10h00 : Lessons from centrifuge model tests on piled embankments and foundation over soil reinforced by inclusions, *L. Thorel, IFSTTAr, France*
- 10h00 – 10h45 : Piled embankments reinforced with Geosynthetics : model experiments and analytical model developments, *S. Van Eekelen, Deltares, The Netherlands*
- 11h00 – 11h30 : US practice in Load Transfer Platform design : Lessons learned, *M. Walker, GEI consultants, USA*
- 11h30 – 12h05 : A review of the ASIRI research project findings about behaviour and design of foundations on soil reinforced by rigid inclusions, *B. Simon, Terrasol, France*
- 12h05 – 12h20 : Design of spread footing on soil reinforced by rigid inclusions, *B. Simon Terrasol, France*
- 12h20 – 12h55 : Design of slabs on grade supported with reinforced soil by rigid inclusions and Design assessment of limiting pressure at head of inclusions, *J. Racinais, Ménard, France*

REINFORCED SOIL

- 14h00 – 14h45 : Introduction to Mechanically Stabilized Earth (MSE) Wall Technology, *J. Sankey, the Reinforced Earth Company, USA*
- 14h45 – 15h30 : Review of Inextensible and Extensible MSE Reinforcement Applications
- 15h30 – 15h45 : Discussion
- 16h15 – 17h00 : Application of Local Country Codes for MSE Wall Design
- 17h00 – 17h45 : Combined MSE Wall Applications with Ground Improvement Technologies, *T. Durgunoglu, Zetas Zemin Teknolojisi A.S., Turkey*
- 17h45 – 18h00 : Discussion
- 18h00 – 20h00 : Reception



4 Symposium:

All available information can be found on the symposium website www.bbri.be/go/IS-GI-2012

On-line registration is possible since begin November 2011.
The deadline for early-bird registration is 15 January 2012 !

5 Other TC 211 related events:

Through members of the TC 211 we received information on the following events:

- International Conference on Ground Improvement and Ground Control – Transport Infrastructure Development and Natural Hazard Mitigation, ICGI Wollongong 2012, 30 October – 2 November 2012, www.icgiwollongong.com
This Conference, on the Antipodes of Bruxelles conference is co-sponsored by the TC 211, and belongs to the core activity of the TC 211.
We will soon be requesting ideas and suggestions from all participants in the preparation of the S.O.A. report attributed to our TC211.
- Technical Session “Behavior and characterization of cemented and stabilized soils” at GeoCongress 2012 in March 2012, Ramiro.VerasteguiFlores@Urgent.be

6 Next Newsletter:

We will try to include in the next newsletter a list with recent references to publications and internet sites concerning the themes given in the terms of reference.

Please transmit all available information to the secretary Noël Huybrechts, noel.huybrechts@bbri.be
The next newsletter will be edited in March 2012.

***We wish you all the best for 2012
and hope to see you next year
at the occasion of IS-GI Brussels 2012.***