

TC 211 IS-GI Brussels 2012

International Symposium & short courses

Recent Research, Advances & Execution Aspects of
GROUND IMPROVEMENT WORKS

30 May – 1 June 2012, Brussels, BELGIUM

Conference Website : www.bbri.be/go/IS-GI-2012

Organised by TC 211 of



IS-GI 2012 SHORT COURSES

30 May 2012, Crown Plaza Brussels – Le Palace, Rue Gineste 3, 1210 Brussels, Belgium

PROGRAM (version 2012.03.08)

<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 style="text-align: center;">PROGRAM</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*

PROGRAM

- 09h30 – 10h15 : General Overview, *M. Topolnicki, Keller, Poland*
10h15 – 11h00 : Deep Mixing in contaminated soils, *A. Al-Tabbaa, Cambridge University, UK*
- 11h30 – 12h30 : Deep Mixing Equipment:
Bauer, *Germany, F.W. Gerressen, Germany*
Solétanche Bachy, *S. Borel, 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, Belgium*
15h05 – 15h25 : Deep Mixing research Ghent University, *D Verastegui, Belgium*
15h25 – 15h40 : Deep Mixing Monitoring, *Noel Huybrechts, BBRI, Belgium*
- 16h10 – 16h55 : Deep Mixing Design, *G. Filz, Virginia Tech, USA*
16h55 – 17h25 : Case study, *E. Leemans, ABEF & Soiltech, Belgium*
17h25 – 17h55 : Discussion
- 18h00 – 20h00 : Reception

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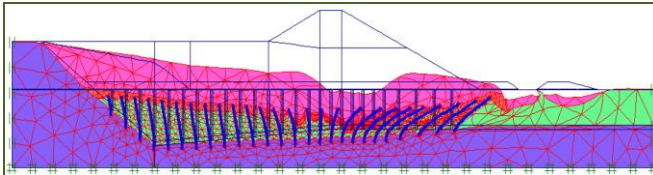
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SC3: RIGID INCLUSIONS AND SOIL REINFORCEMENT



Coordinators:

T. Durgunoglu, Zetas Zemin Teknolojisi A.A., Turkey,

B. Simon, TERRASOL, France

J. Sankey, The Reinforced Earth Company, USA

PROGRAM

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, *J. Wynn, Consultant, UK*
- 15h30 – 15h45 : Discussion
- 16h15 – 17h00 : Application of Local Country Codes for MSE Wall Design, *N. Freitag, Terre Armée, France*
- 17h00 – 17h45 : Combined MSE Wall Applications with Ground Improvement Technologies, *T. Durgunoglu, Zeta Zemin, Turkey*
- 17h45 – 18h00 : Discussion
- 18h00 – 20h00 : Reception

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GENERALITIES

The 3 short courses are organized in parallel sessions.

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.

Reimbursement upon annulation of a registration :

annulation before 30 March 2012, 50 % of the registration fees can be reimbursed,
annulation after 30 March 2012, no reimbursement of the registration fee.