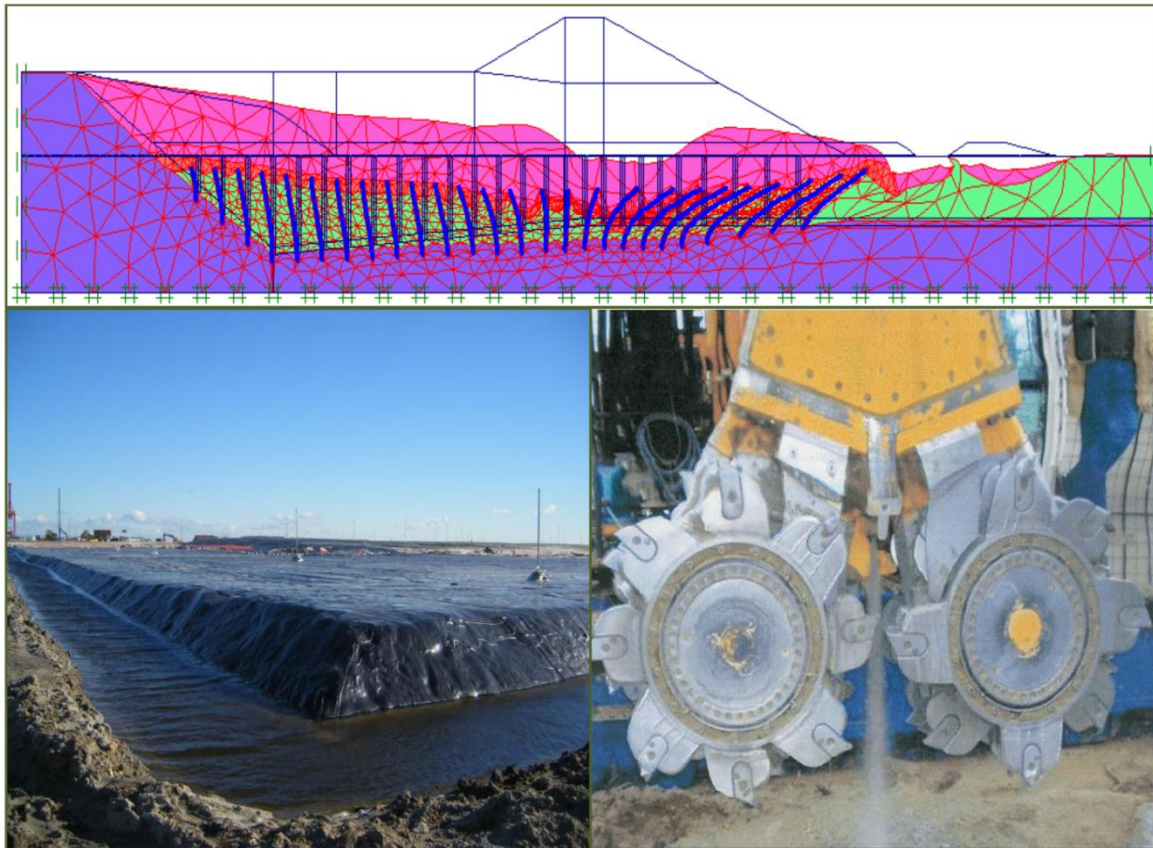




# INTERNATIONAL SYMPOSIUM & SHORT COURSES

**TC 211** IS-GI Brussels 2012



**Recent Research, Advances & Execution Aspects of  
GROUND IMPROVEMENT WORKS**

**30 May – 1 June 2012, Brussels, BELGIUM**





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*With the support  
of TIS-SFT*





**TC 211**

**IS-GI Brussels 2012**



## **IS-GI Brussels 2012 - in total 330 registrations**

### **Wednesday 30 May – Short Courses (230 participants)**

- 3 parallel courses: Marine Ground Improvement – Deep Mixing – Rigid Inclusions & soil reinforcement
- Welcome reception (225 participants)

### **Thursday 31 May & Friday 1 June – Int. Symposium (280 participants)**

- 7 Plenary sessions Vibro & Impact compaction – Vertical drains, Vacuum consolidation & Preloading – Soil Stabilisation – Deep mixing – Rigid inclusions & stone columns  
Soil reinforcement in fill & in cut – Biogrout & other grouting methods
- Louis Menard lecture (P. Mengé, DEME)
- Specialty lecture by J.L. Briaud, President ISSMGE
- Technical Exhibition (16 Companies : gold & platinum sponsors)
- Banquet in the Belgian Comic Strip Centre – Horta (170 participants)

### **Saturday 2 June : Technical Visit (70 participants)**

- AMORAS & MAS & City of Antwerp





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# IS-GI Brussels 2012



## **Wednesday 30 May – Short Courses (230 participants)**

- 3 parallel courses: Marine Ground Improvement – Deep Mixing – Rigid Inclusions & soil reinforcement
- Welcome reception ( $\pm 200$  participants)

SC1 Marine Ground Improvement (*SERENITY*)



SC3 –Rig. Inclusions & Soil reinforc. (*INFINITI*)



SC2 Deep Mixing (*VISION*)





# TC 211

# IS-GI Brussels 2012



## **Wednesday 30 May – Short Courses (230 participants)**

- 3 parallel courses: Marine Ground Improvement – Deep Mixing – Rigid Inclusions & soil reinforcement
- Welcome reception ( $\pm 200$  participants)

SC1 Marine Ground Improvement (*SERENITY*)



SC3 –Rig. Inclusions & Soil reinf. (*INFINITI*)



## Profile participants

**-Participants from 32 countries  
(B : 80 – F : 35 – Other :115)**

- |  |                        |
|--|------------------------|
| <b>- Contractors &amp; Manufacturers</b> | <b>: 47% (B: 51%)</b>  |
| <b>- Design/consultants</b>              | <b>: 22 % (B: 30%)</b> |
| <b>- Research &amp; academics</b>        | <b>: 26% (B: 13%)</b>  |
| <b>- Government/owners</b>               | <b>: 5% (B: 6%)</b>    |





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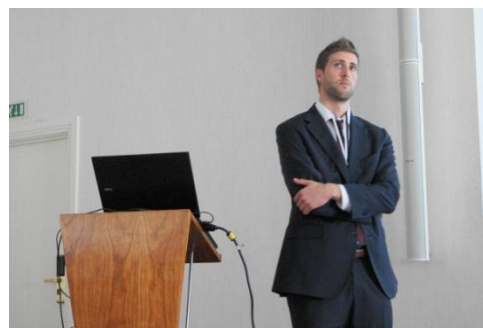
# IS-GI Brussels 2012



## **Wednesday 30 May – Short Courses (230 participants)**

- 3 parallel courses: Marine Ground Improvement – Deep Mixing – Rigid Inclusions & oil reinforcement
- Welcome reception ( $\pm 200$  participants)

SC2 Deep Mixing (VISION)



## **Short Course 2 – Deep Mixing**

→ Co-ordinated by WTCB-CSTC

→ 3 lectures addressing results IWT - SOIL MIX Project  
(WTCB-ABEF-KULeuven)





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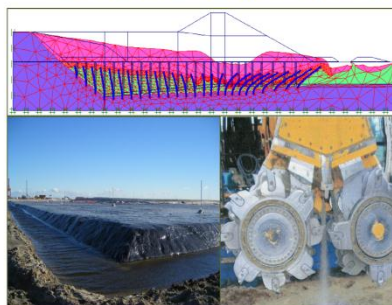


## Wednesday 30 May – Short Courses : Publications

INTERNATIONAL SYMPOSIUM & SHORT COURSES

TC 211 IS-GI Brussels 2012

SHORT COURSE 1:  
MARINE GROUND IMPROVEMENT



Recent Research, Advances & Execution Aspects of  
GROUND IMPROVEMENT WORKS  
30 May 2012, Brussels, BELGIUM

Organised by:

ISSMGE Technical Committee TC 211 Ground Improvement

Belgische Groepering voor Grondmechanica en Geotechniek  
Groupeement Belge de Mécanique des Sols et de la Géotechnique

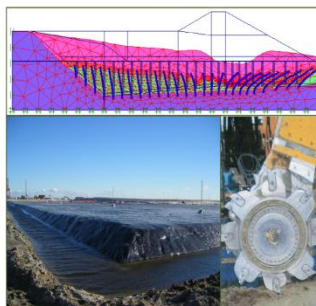
Comité Français de Mécanique des Sols



INTERNATIONAL SYMPOSIUM & SHORT COURSES

TC 211 IS-GI Brussels 2012

SHORT COURSE 2:  
DEEP MIXING



Recent Research, Advances & Execution As  
pects of  
GROUND IMPROVEMENT WORKS  
30 May 2012, Brussels, BELGIUM

Organised by:

ISSMGE Technical Committee TC 211 Ground Improvement

Belgische Groepering voor Grondmechanica en Geotechniek  
Groupeement Belge de Mécanique des Sols et de la Géotechnique

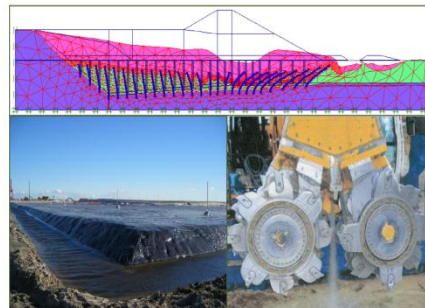
Comité Français de Mécanique des Sols



INTERNATIONAL SYMPOSIUM & SHORT COURSES

TC 211 IS-GI Brussels 2012

SHORT COURSE 3:  
RIGID INCLUSIONS & SOIL REINFORCEMENT



Recent Research, Advances & Execution Aspects of  
GROUND IMPROVEMENT WORKS  
30 May 2012, Brussels, BELGIUM

Organised by:

ISSMGE Technical Committee TC 211 Ground Improvement

Belgische Groepering voor Grondmechanica en Geotechniek  
Groupeement Belge de Mécanique des Sols et de la Géotechnique

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Belgian Building Research Institute

With the support of TIS-SFT





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**IS-GI Brussels 2012**



**Thursday 31 May & Friday 1 June - International Symposium (280 participants)**

- 7 Plenary sessions *Vibro & Impact compaction – Vertical drains, Vacuum consolidation & Preloading – Soil Stabilisation – Deep mixing – Rigid inclusions & Stone Columns – Soil reinforcement in fill & in cut – Biogrout & other grouting methods*
- Louis Menard lecture (*P. Mengé, DEME*)
- Specialty lecture by *J.L. Briaud, President ISSMGE*
- Technical Exhibition (*16 Companies : gold & platinum sponsors*)
- Banquet in the Belgian Comic Strip Centre – Horta (*170 participants*)

**Profile participants short courses**

**-Participants from 36 countries – 6 continents  
(*B : 85 - F : 45 – other : 150*)**

|  |                               |
|--|-------------------------------|
| <b>- Contractors &amp; Manufacturers</b> | <b>: 48% (<i>B: 55%</i>)</b>  |
| <b>- Design/consultants</b>              | <b>: 15 % (<i>B: 22%</i>)</b> |
| <b>- Research &amp; academics</b>        | <b>: 33% (<i>B: 18%</i>)</b>  |
| <b>- Government/owners</b>               | <b>: 4% (<i>B: 5%</i>)</b>    |





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Soil reinforcement in fill & in cut – BiogROUT & other grouting methods*





TC 211

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TC 211

# IS-GI Brussels 2012



**Thursday 31 May & Friday 1 June - International Symposium (280 participants)**  
*-Louis Menard lecture (P. Mengé, DEME)*







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**Thursday 31 May & Friday 1 June - International Symposium (280 participants)**  
**-Technical Exhibition (16 Companies : gold & platinum sponsors)**







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*-Banquet in the Belgian Comic Strip Centre – Horta (170 participants)*



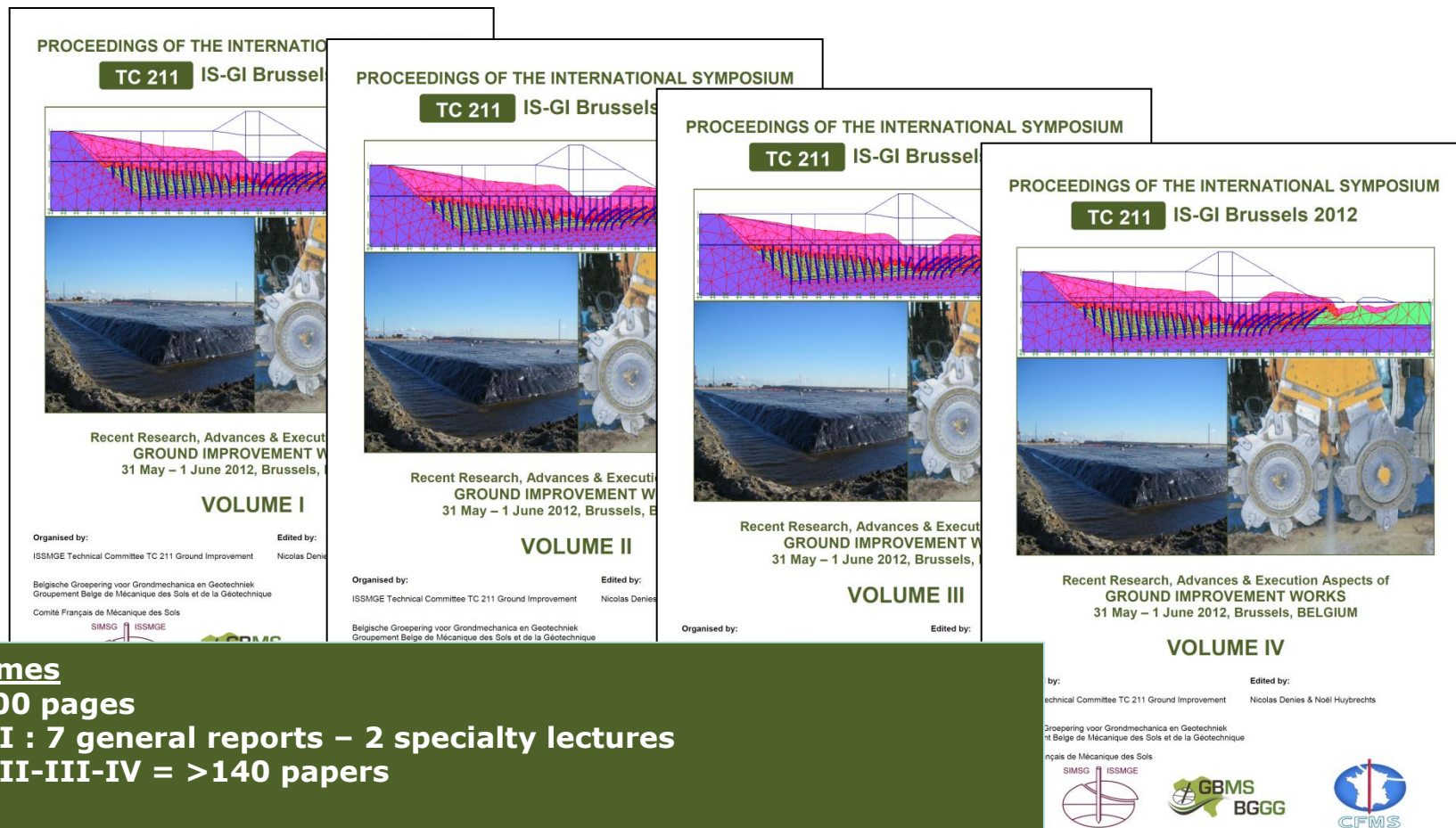


# TC 211

# IS-GI Brussels 2012



**Thursday 31 May & Friday 1 June - International Symposium : Publications**



## 4 Volumes

- >1600 pages
- VOL I : 7 general reports – 2 specialty lectures
- VOL II-III-IV = >140 papers

## Contribution WTCB-CSTC

- Edition of the 4 Volumes (N. Denies & N. Huybrechts)
- Vol I : General report "Deep mixing" – 40 p. summary of 30 papers
- Vol III : 4 publications with regard to BBRI soil mix research (54 p.)





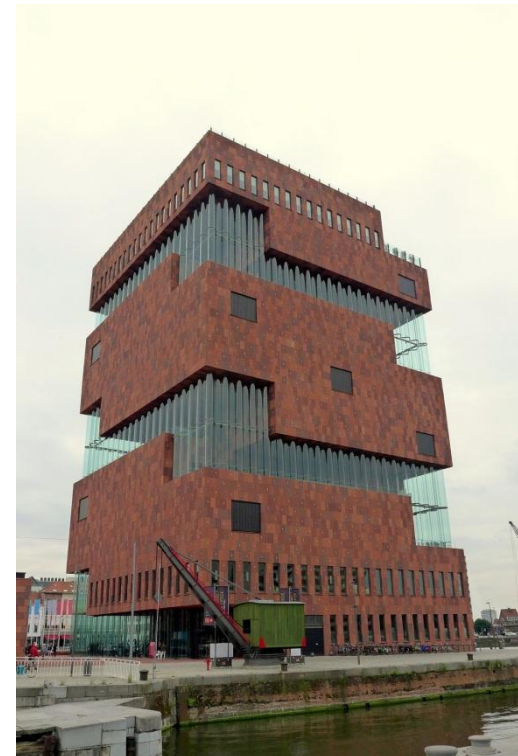
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# IS-GI Brussels 2012



## ***Saturday 2 June : Technical Visit (70 participants)***

- AMORAS & MAS -City of Antwerp
- Visit sponsored by DEME







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***Saturday 2 June : Technical Visit (70 participants)***  
***-AMORAS & MAS -City of Antwerp***





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***Saturday 2 June : Technical Visit (70 participants)***  
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***Saturday 2 June : Technical Visit (70 participants)***

***-AMORAS & MAS -City of Antwerp***







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***Saturday 2 June : Technical Visit (70 participants)***  
***-AMORAS & MAS -City of Antwerp***

