

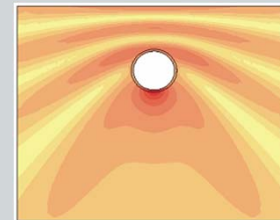
Journée « Vibrations et séismes »



- Journée conjointe CFMS/AFPS
- Organisation :
Stéphane BRÛLE (MENARD), Bruno Demay (GEOTun) et
Jean-François SEMBLAT (IFSTTAR)

- Programme de la journée

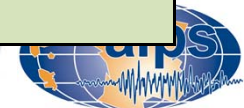
- Introduction
- Session « Vibrations » (9h15-12h30)
- Déjeuner (12h30-14h00)
- Session « Séismes » (14h00-17h00)
- Projet de recommandations « AFPS'2020 »



Session « Vibrations »



| HORAIRE | Durée | TITRE | INTERVENANT(S) |
|-------------------------------|-------|---|--|
| 09h00 – 09h15 | 00:15 | Accueil des participants, café d'accueil | |
| 09h15 – 09h30 | 00:15 | Introduction et présentation de la journée Présentation du TC203 | B.DEMAY (CT CFMS) / S.BRÛLE (MENARD) / JF.SEMBLAT (IFSTTAR) |
| Session « Vibrations » | | | |
| 09h30 – 10h00 | 00:30 | Monitoring et prévision des vibrations | J. MOREL (SOLDATA) |
| 10h00 – 10h30 | 00:30 | Aperçu des textes de références (normes, directives françaises) | J.J. LEBLOND (CEREMA) |
| 10h30 – 10h45 | 00:15 | Pause | |
| 10h45 – 11h15 | 00:30 | Auscultation sur les chantiers de densification des sols | G. ERBEJA (MENARD) |
| 11h15 – 11h45 | 00:30 | Perspectives de barrières anti-vibratiles innovantes | S.GUENNEAU (FRESNEL) |
| 11h45 – 12h15 | 00:30 | Un exemple de problèmes posés par le dimensionnement de fondations de machines vibrantes | B. DEMAY |
| 12h15 – 12h30 | 00:15 | Questions / débat | |
| 12h30 – 14h00 | 01:30 | Pause déjeuner | |



Session « Séismes »



| HORAIRE | Durée | TITRE | INTERVENANT(S) |
|----------------------------|-------|--|------------------------|
| Session « Séismes » | | | |
| 14h00 – 14h30 | 00:30 | Réponse sismique des sols (concours de prévision international "Prenolin") | L.F. BONILLA (IFSTTAR) |
| 14h30 – 15h00 | 00:30 | Analyse sismique des fondations | Y. ABOUD (EDF/IFSTTAR) |
| 15h00 – 15h30 | 00:30 | Analyse sismique des digues/barrages | J.J. FRY (EDF) |
| 15h30 – 16h00 | 00:30 | Amélioration des sols/liquéfaction | S.LAMBERT (KELLER) |
| 16h00 – 16h30 | 00:30 | Quelques exemples de problèmes posés dans la pratique de la conception parasismique des ouvrages | F.CUIRA (TERRASOL) |
| 16h30 – 16h45 | 00:15 | Présentation du projet de recommandations AFPS'2020 | P.BISCH (AFPS) |
| 16h45 – 17H00 | 00:15 | Questions – Débat - Clôture de la journée | |



TC203: Earthquake Geotechnical Engineering and Associated Problems



- **Dernières réunions :**
 - Christchurch, NZ, 6ICEGE, 2 Novembre 2015
 - Edimbourg, 16ECSMGE, 16 September 2015
- **Principales activités :**
 1. To disseminate and develop **knowledge and practice** within the TC's subject area to the membership of the ISSMGE.
 2. To establish **guidelines** and technical **recommendations** within the TC's subject area.
 3. To assist with technical programs of international and regional **conferences** organized by the ISSMGE, and,
 4. To interact with **industry** and overlapping groups working in areas related to the TC's specialist area.



TC203 : organisation



- Composition : 76 membres de 29 pays
- Nouveau président : Ross Boulanger
- Vice-président : Kyriazis Pitilakis
- Membres français :
 - Fahd Cuira (membre correspondant),
f.cuira@terrasol.com, France
 - Stéphane Brûlé (membre correspondant),
stephane.brule@menard-mail.com, France
 - Alain Pecker (membre nommé),
alain.pecker@geodynamique.com, France
 - Jean-François Semblat (membre nommé),
jean-francois.semblat@ifsttar.fr, France



Groupes de travail (>2011)



- Young research award: E.Rathje, A.Ansal, G.Gazetas, I.Towhata, M.Pender
- P-B design in Earthquake geotechnical eng.: S.Kramer, J.Bray, M.Maugeri
- Liquefaction & associated pbs: R. Boulanger, M.Cubrinovski, K.Cettin
- Site characteriz., site effects & design ground motion: R.Paolucci, E.Rathje
- Large Scale Facilities in Geotech. Earthquake Eng.: A.Elgamal, I.Towhata
- Numerical and physical procedures: S.Yasuda, G.Gazetas, S.Kontoe, N.Yoshida, R.Uzuoka
- Seismic codes: A.Pecker, I.Towhata, G.Bouckovalas
- Soil-Foundation-Structure Interaction: K.Tokimatsu, G.Gazetas, J-F Semblat, Ch.Vrettos
- Links between research, academia & profession: J.Bray, Pedro e Seco Pinto, R.Boulanger, E.Rathje, M.Cubrinovski, A.Ansal, F.Silvestri, G.Athanasopoulos, K.Pitilakis
- Links with the construction industry: J.Pappin, B.Ghosh, A.Pecker, A.Kaynia, A.Uzdin, L.Wang, S.Yasuda



Conférence Paris 2013



- 2 rapports généraux en géotechnique sismique :
 - Francesco Silvestri (aspects expérimentaux)
 - J-François Semblat (modélisation)

Proceedings of the 18th International Conference on Soil Mechanics and Geotechnical Engineering, Paris 2013

Seismic response of soils, foundations and earth works

Réponse sismique des sols, des fondations et des ouvrages géotechniques

J.F. Semblat

Université Paris-Est, IFSTTAR, Dept of Geotechnical Eng., Environment, Natural Hazards and Earth Sciences



Organisation de conférences



- 3rd International Conference on the **Performance Based Design** in Geotechnical Earthquake Engineering, Vancouver, Canada, July 16-19, 2017.
- 19th **ICSMGE**, Sept.17~22, 2017, Seoul: plenary meeting in Geotechnical Earthquake Engineering and invitation for “**Ishihara Lecture**” > mars 2016 : Prof.Jonathan D. Bray, University of California, Berkeley
- **16WCEE** - January 9-13, 2017, Chile, Special session in Geotechnical Earthquake Eng. organized by TC203.
- **16th ECEE** – Thessaloniki, Greece, 2018



Performance-based design in EGE



PBD-III VANCOUVER
Earthquake Geotechnical Engineering
July 16 - 19, 2017

HOME | CONTACT

Conference Information | Call for Submissions | Registration & Venue

PHOTO BY TED MCGRATH

SUPPORTING ORGANIZATIONS

SIMSG ISSMGE
GEO INSTITUTE
CANADIAN Geotechnical Society
EERI

Join us at PBD-III in Vancouver in 2017

It is our pleasure to invite you to participate in the **3rd International Conference on Performance-based Design in Earthquake Geotechnical Engineering (PBD-III)** in Vancouver, BC, Canada, from July 16-19, 2017. The **PBD-III** Conference is organized under the auspices of the International Society of Soil Mechanics and Geotechnical Engineering - Technical Committee TC203 on Geotechnical Earthquake Engineering and Associated Problems (ISSMGE-TC203). The PBD-I and PBD-II events in Japan (2009) and Italy (2012), respectively, were highly successful events for the international geotechnical earthquake engineering community. The PBD events have been excellent companions to the International Conference on Earthquake Geotechnical Engineering (ICEGE) series that TC203 has held in Japan (1995), Portugal (1999), USA (2004), Greece (2007), Chile (2011), and New Zealand (2015).

Come join an international community of geo-professionals working to share and advance performance-based design practices for geotechnical earthquake engineering across a broad range of civil infrastructure problems. The coverage will be diverse, including case

PBD-III News

[Call for Abstracts Opens November 2](#)
Abstracts for oral and poster presentations are invited from PBD practitioners from around the world. The submission deadline date is July 31, 2016.

Upcoming Dates

July 31, 2016
Deadline for on-line submission of abstracts

September 15, 2016
Notification of abstract acceptance

December 31, 2016
Deadline for on-line submission of technical papers for consideration



7th ICEGE, 2019



- Seventh TC203 Conference on Earthquake Geotechnical Engineering (7ICEGE)
- Rome (Italian Geotechnical Society -AGI) was the lone candidate for hosting the next (7th) International Conference on Earthquake Geotechnical Engineering (7ICEGE), which was unanimously approved.
- Chairman of 7th ICEGE: Prof. Francesco Silvestri

