



# TC 102 Ground Property Characterization from In-Situ Tests

## Meeting in Las Vegas, CPT'14 ([www.cpt14.com/](http://www.cpt14.com/))

Tuesday, May 13, 2014 from 17:30 to 19:00 in Main Session Room



Prof. Paul Mayne, Georgia-Tech, past-chair of TC16 and TC102



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## AGENDA

- a. Meeting in Paris and outcomes
- b. TCs organization: chair and new officers / members
- c. New objectives for the future
  - Improving the interpretation of in-situ tests;
  - Interactive communication among TC102 members;
  - Hosting and endorsing international conferences, symposiums, etc.;
  - Participation in ISSMGE Regional Conferences;
  - Interaction with sister Technical Committees;
  - diffusion of new areas of development in In Situ testing in TC102;
  - Guidelines and standards for in-situ testing;
  - Improving the image of the relevance of our activity;
  - List of important and relevant publications in in-situ testing.



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## a. Meeting in Paris,

16ICSMGE, in September 2013, with the presence of 22 members.

Prof. Paul Mayne presented the report of the activities on the last mandate, published in the proceedings of the conference (available in [www.geoforum.com/tc16](http://www.geoforum.com/tc16)).

Being appointed to ISSMGE - VP to North America, he has left the committee chair;

A vote of thanks for the excellent work developed in the previous mandates, firming TC16 (TC102) as a relevant cluster in ISSMGE;

## b. TCs organizations and New Officers

b1 Letter from Professor Pierre Delage, Chairman of the TOC, with the recent decisions regarding ISSMGE TC issues (ISSMGE board meeting of 18March):

(i) no more coupling between the existence and membership of the TCs and the ISSMGE Presidential term;

(ii) since the 6 VP of the regions and 6 personalities are represented in the TOC, there will be close connection between TC activities while changing the President.



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## b. TCs organizations and New Officers (cont.)

### b2 Chairs:

Limitation to two of the 4 years term, 8 years; many TC Chairs have changed since September 2013, following this rule: 101 (Lab), 102 (in-situ), 104 (Physical mod.), 106 (Unsaturated), 202 (Transp.), 211 (Ground improvement), 214 (Soft soils), 301 (Historic), 306 (Education)

In future, election will be made by the TC members each 4 years.

The Chair will have to be proposed by the Member Society to the Vice-president of the region (TOC member) to be afterwards submitted to the approbation of the TOC and, finally of the ISSMGE President. Each TC is supported by the MS to which belongs the Chair.

### b3 Officers (Membership):

An improvement of the membership management will be conducted through a more adapted website based on a single database to be filled and kept up to date by TC officers and by the MSs. This TC reporting website will be created soon. The TC membership is as follows:

- 4 members nominated by the Chair, being one the Vice-Chair, who also selects the TC secretary, with voting right;
- 2 members nominated by the MSs interested in the TC activities, with voting right;
- no limit in number of corresponding members nominated by MSs, who may attend meetings and participate to the TC activities, with no voting right.



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## c. New objectives for the future

In Paris , 16ICSMGE, in September 2013, with the presence of 22 members, the following objectives were appointed (already in our site [www.webforum.com/tc16](http://www.webforum.com/tc16)), which are herein transcribed with new suggestions:

- 1.To promote the utilization and improve the interpretation of in-situ testing;
- 2.Interactive communication among TC102 members;
- 3.To host and endorse international conferences, symposiums, etc. (ISC5 and others);
- 4.To participate in ISSMGE Regional Conferences, with meetings, workshops, etc;
- 5.To continue the interactivities with sister Technical Committees;
- 6.To encourage the diffusion of new areas of development in In Situ testing in TC102;
- 7.To maintain a set of international guidelines and standards for in-situ testing;
- 8.To upgrade the social relevance of our geotechnical discipline – improve the visibility by articles in press – the ISSMGE bulletin and others -, webinars, etc. ;
- 9.To prepare a list of important and relevant publications in-situ testing.



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## c. New objectives for the future

### 1. To promote the utilization and improve the interpretation of in-situ

Activities will contribute to enhance geotechnical site characterization, including the determination of soil and rock properties, use of borehole techniques, penetration (and pressuremeter/dilatometer) tests, and geophysical methods, and their variance.

### 2. Interactive communication among TC102 members

To maintain an international website and email network, as well as hold several meetings, for interactive communication among the TC102 members and geotechnical affiliates to share ideas, information, and technical solutions.

The current TC 102 website is: [www.webforum.com/tc16](http://www.webforum.com/tc16). The possibility of migrating this page or the reformat the page to make it more ISSMGE stylish should be discussed

(committees with different approaches: TC101 with a specific site: <http://tc101.iis.u-tokyo.ac.jp/index.html>; TC103, TC104, TC203, use <http://www.mygeoworld.info/groups/>



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## c. New objectives for the future

### 3. To host and endorse international conferences, symposiums and other events

3<sup>rd</sup> IS on CPT in Las Vegas ([www.cpt14.com/](http://www.cpt14.com/)): first meeting of TC102 in this mandate;

### 5<sup>th</sup> international conference on Site Characterization (ISC-5):

ISC-5 will be organized in Brisbane, Australia, in **September 2016** to exchange theoretical, practical, and applied research in the area of in-situ testing and geotechnical site investigation; presentation by our hosts: Richard Kelly, Allan McConnell, Barry Lehane.



Incl. the 7<sup>th</sup> J. K. MITCHELL LECTURE

(2<sup>nd</sup> in Australasian: Geoshanghai, 2006)



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### 3. To host and endorse international conferences, symposiums and other events

#### The International Symposium "ISP7-PRESSIO 2015": May 01-02, 2015:

The 60th Anniversary of the pressuremeter, "ISP7" will be organized for the first time in Africa, by the Tunisian Association of Soil Mechanics (ATMS) as part of the 16th African Reg. Conf. SMGE ([www.cramsg2015.org/isp7-pressio2015/](http://www.cramsg2015.org/isp7-pressio2015/)), from April 27 – 30, 2015 in Hammamet, Tunisia.

TC102 has been informed of this initiative and is endorsing the initiative. The French members will be contacted to prepare that liaison.

A banner for the 16th African Regional Conference on Soil Mechanics and Geotechnical Engineering (ARC CRA16) is shown. The banner is yellow and orange and features a map of Africa on the left. The text on the banner includes: "16 Congrès Régional Africain de la Mécanique des Sols et de la Géotechnique", "African Regional Conference on Soil Mechanics and Geotechnical Engineering", "Tunis, Tunisia 27-30 Avril/April 2015", and "La géotechnique innovante pour l'Afrique / Innovative geotechnics for Africa". Logos for SIMSG and ISSMGE are also present on the right side of the banner.

16 Congrès Régional Africain de la Mécanique des Sols et de la Géotechnique  
African Regional Conference on Soil Mechanics and Geotechnical Engineering  
Tunis, Tunisia 27-30 Avril/April 2015  
La géotechnique innovante pour l'Afrique / Innovative geotechnics for Africa

Call for abstracts and papers: no later than May 15th 2014,

[ISP7\\_scientific@cramsg2015.org](mailto:ISP7_scientific@cramsg2015.org)





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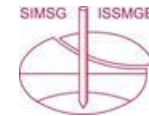
## c. New objectives for the future

### 3.To host and endorse international conferences, symposiums and other events

#### 3<sup>rd</sup> international conference on the Flat Dilatometer (DMT'15):

The Technical Committee TC-102 of the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE), the Italian Geotechnical Society (AGI) in cooperation with L'Aquila University will be endorsing DMT'15 in Roma (Italy).

To be held **June 15-17, 2015** at the “Parco dei Principi” Grand Hotel in Rome (Italy).  
Details in [www.dmt15.com](http://www.dmt15.com) and [info@dm15.com](mailto:info@dm15.com).





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## c. New objectives for the future

4. To participate in ISSMGE Regional Conferences, with meetings, workshops, etc

### XVI European Conf. Soil Mechanics and Geotechnical Engin. 13-17 Sept 2015:

TC-102 was contacted by the by the chair, Dr Mike Winter to host a meeting, a workshop and/or a seminar (<http://xvi-ecsmge-2015.org.uk/>);



### XV Pan-American Conf. Soil Mechanics and Geotechnical Engin. 15-18 Nov. 2015:

The Technical Committee TC-102 may be contacted for supporting the session on the topic “1B – In situ testing” (<http://conferencesba2015.com.ar/>);



*and last but not least; the,*

### 19th International Conference on Earthquake Geotechnical Engineering (Seoul, 2017):

Participation of the TC in the next **19ICSMGE**, organized by the Korean Society on SMGE, prospectively as in **September, 2017**, in Seoul; responsible of organizing the TC102 Session (In Situ Tests for Ground Characterization) and thematic workshops.



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## c. New objectives for the future

### 5. Interactions with sister Technical Committees

**TC209** (Offshore Geotechnics); next conference, the 3rd International Symposium on Frontiers in Offshore Geotechnics, is due in Oslo, Norway 10 -12 June 2015 (<http://http://www.isfog2015.no/>).

**TC 101** (Laboratory stress-strain-testing behavior): next conference SIXTH INT. SYMPOSIUM ON DEFORMATION CHARACTERISTICS OF GEOMATERIALS will be organized in Buenos Aires, at Hotel Hilton, Puerto Madero. November 15-18 November 2015 (<http://conferencesba2015.com.ar/>), together with XV PanAmer.CSMGE.



### 6th Int. Conference on Earthquake Geotechnical Engineering (6ICEGE):

Participation of the Technical Committee TC-102 in the next conference organized by **TC203** (Earthquake Geotechnical Engineering and Associated Problems), 6ICEGE (<http://australiangeomechanics.org/5040/6icege/>), to be held in November 2-4, 2015, in Christchurch, New Zealand: special session on “In Situ Tests for Liquefaction Analysis” discussed with Prof. Misko Cubrionovski, Univ. Canterbury and president of 6ICEGE.



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## c. New objectives for the future

### 6. Diffusion of new approaches on In Situ testing in TC102

New equipment and interpretation techniques: Stochastic site assessment, geophysics integration; Fiber optic technologies for ground characterization; New Approach of Soil Investigation and Design of Geotechnical Structures using Pressuremeter; etc.

### 7. International guidelines and standards for in-situ testing

To maintain a set of international guidelines and standards for in-situ testing methods for reference on procedures and interpretation; **creation of a workgroup for this purpose.**

### 8. Diffusion of Ground Characterization importance for Geotechnical Engineering

To elaborate documental descriptions of special projects where In Situ Testing for Onshore and Offshore Ground Characterization were used for design purposes or other interventions, that can be included in the ISSMGE bulletin, or others; COMPLEMENTARY or ALTERNATIVELY, to organize webinars on such topics;

### 9. Publications in Ground Property Characterization from In-situ Testing

To prepare a list of important and relevant publications on the topics of in-situ testing for ground characterization as source and guide to members; **creation of a workgroup.**



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### Student and Young Members Presidential Group (SYMPG), the group objectives:

- 2009-2013: To increase the attractiveness of the ISSMGE for the next generation of geotechnical engineers. 2013-2015: To increase the attractiveness of the ISSMGE for younger generations of geotechnical engineers.
- Organize a special session for Young Geotechnical Members of ISSMGE in the 5<sup>th</sup> international conference on Site Characterization (ISC-5).

#### Chair:

António Viana da Fonseca, Federal Univ. Porto, Portugal; Email: [viana@fe.up.pt](mailto:viana@fe.up.pt)

#### Vice-Chair:

Roberto Quental Coutinho, Federal Univ. Pernambuco, Brazil; Email: [rqc@ufpe.br](mailto:rqc@ufpe.br)

#### Secretary:

Jason DeJong, Univ. California at Davis, USA; Email: [jdejong@ucdavis.edu](mailto:jdejong@ucdavis.edu)

#### Nominated members:

Assaf Klar, Technion, Israel; Email: [klar@technion.ac.il](mailto:klar@technion.ac.il)

Joek Peuchen, Fugro World Wide, Netherlands; Email: [j.peuchen@fugro.nl](mailto:j.peuchen@fugro.nl)

Richard Kelly, Coffey Int. Lim., Brazil; Email: [richard.kelly@coffey.com](mailto:richard.kelly@coffey.com)

The "core"-group



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Members from the previous mandate  
(<http://www.issmge.org/>):

N.T. Alibekova (Kazakhstan)	Paola Monaco (Italy)
Radhi Al-Zubaidi (Iraq)	Jacques Monnet (France)
Marcos Arroyo (Spain)	Ernst Niederleithinger (Germany)
George Athanassopoulos (Greece)	Gunnar Nilsson (Sweden)
Augusto Barriga (Ecuador)	J. Nuyens (Belgium)
Herminia Cano (Spain)	Edgar Oderbrecht (Brazil)
Choong-Ki Chung (Korea)	Joek Peuchen (Netherlands)
Ali Fakher (Iran)	John Powell (UK)
Vasile Farcas (Romania)	Mario Quinta Ferreira (Portugal)
Sebastiano Foti (Italy)	G.V. Ramana (India)
Rui Freitas (Portugal)	Philippe Reiffsteck (France)
Dimitris Gazelas (Greece)	Victor Rinaldi (Argentina)
An-Bin Huang (Taiwan)	Daniel Rom (USA)
Emoke Imre (Hungary)	Fernando Schnaid (Brazil)
M. Karthikeyan (Singapore)	Paolo Simonini (Italy)
V.I. Kashirsky (Russia)	Jorgen S. Steenfelt (Denmark)
Woojin Lee (Korea)	H. Tanaka (Japan)
Barry Lehane (Australia)	Gauthier van Alboom (Belgium)
Mike Long (Ireland)	G. Venkatachalam (India)
Tom Lunne (Norway)	Yu Wang (Hong Kong)
Andras Mahler (Hungary)	Darren Ward (UK)
Mamoru Mimura (Japan)	Quentin Yue (Hong Kong)
Z. Mlynarek (Poland)	To be completed !