



**Hangzhou 2018,**

**Technical Committee 215: Environmental  
Geotechnics**

**Plenary Meeting, 29 Oct. 2018**

**Boardroom Xiyuan 3 & 4**

**20:00-22:00**



*Monash  
University*

**TC 215 Environmental Geotechnics**

*Global  
Innovation*

# Agenda for TC 215 meeting



- 1. Welcome**
- 2. TC215 membership**
- 3. Terms of reference**
- 4. Past events**
- 5. Outcomes of Seoul's meeting**
- 6. Future Activities**
- 7. Other business**
- 8. Closure**



# TC 215 Membership



**Currently: 51 Members**

**Representatives from: Argentina, Australia, Belgium, Brazil, Canada, China, France, Germany, Greece, Hong Kong, India, Iran, Italy, Japan, Korea, Poland, Portugal, Romania, Russia, Singapore, Spain, Turkey, U.K., USA**

**Chair: A (Malek) Bouazza, Australia**

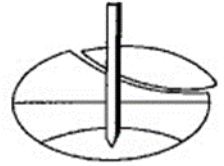
**Vice-Chair: R. Kerry Rowe, Canada**

**Secretary: Andrea Dominijanni, Italy**



# Terms of References:

## Objective 1: Dissemination



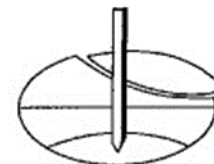
ISSMGE  
SIMSG

**TC 215 will provide a forum for active participation by its members with the view of advancing the state of knowledge in the field of Environmental Geotechnics. It will promote the dissemination of knowledge, research findings and practice in the area of geoenvironmental engineering through close collaboration with ISSMGE TC committees and sister societies TCs.**

- **Organize the 8th International Congress on Environmental Geotechnics at Hangzhou, China in 2018;**
- **Promote special sessions and joint sessions with other TCs (ISSMGE and sister societies) at regional forums, conferences;**
- **Organize specialty symposiums and workshops;**
- **Update website (<https://sites.google.com/site/tc215issmge/>),**
- **Organize special issues on selected themes for publication in scientific journals.**
- **Interact with sister societies to promote new initiatives.**



# Terms of References



ISSMGE

SIMSG

## Objective 2: Guidelines & Recommendations

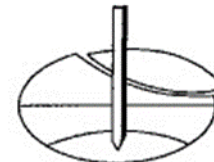
- **Update of report entitled Geotechnical Aspect of Environmental Engineering published on- line in 2006 (can be downloaded from <https://sites.google.com/site/tc215issmge/home>). Encourage its use by academia and practitioners once its update is completed.**

## Objective 3: Conference Assistance

- **Assist with technical programs of international and regional conferences organized by the ISSMGE and sister societies.**
- **Promote the presentation of the findings of the TC in main sessions and discussion sessions, and the honour lecture (the R.K. Rowe Lecture) at these conferences including the quadrennial International TC215 conference and ISSMGE Conference.**



# Terms of References



ISSMGE

SIMSG

## Objective 4: Industry links

- **Establish co-operation and exchange of knowledge with national and international public institutions and government agencies to help provide a safe protection of the environment.**
- **Promote and recommend TC 215 members best practice published papers and reports to the industry.**
- **Improve the relationship with industry through joint seminars/workshops.**
- **Use the TC 215 website as the vehicle of delivery of the information needed by the industry**



# Events

## **2<sup>ND</sup> R.K. ROWE Lecturer Professor Mario Manassero, Italy**

- **The lecture was given at the 19th ICSMGE, 2017, Seoul, Korea and given today at 8th ICEG, 2018, Hangzhou, China. It will also be published in the Canadian Geotechnical Journal in 2019.**
- **Two Sessions (with 18 papers presented+ general report) and 1 Workshop (6 lecturers) at the 19th International Conference on Soil Mechanics and Geotechnical Engineering (19 ICSMGE) Seoul (South Korea), 17 to 22 September 2017.**
- **TC215 present at the 7th International Conference on Unsaturated Soils (Hong Kong, August 2018).**



## **Major Outcomes from the Seoul meeting**

**It was agreed formally at the TC 215 meeting held in Seoul in Sept. 2017 to put increased focus on the involvement of our young members and actively engage them in the committee activities. (fruit of prior discussions held in 2016 & 2017)**

**The first step to make this happen was to establish the distinguished young lectures (DYL) to be presented at both the ICEG and CPEG series. The first DYL will be presented at ICEG 2018 in October 2018.**





**A large number of our membership has given in recent times prestigious lectures (and it will certainly still be the case in the future) to learned societies at national or international levels.**

**It was unanimously agreed that such lectures (selected by a sub-committee) should be offered to wider and more specialised audience such as at ICEG and CPEG forums. The 1st Distinguished TC215 lecture was presented today**



- **Establish a Task Force to revamp the TC215 Book “Geotechnical Aspect of Environmental Engineering” published in 2005.**

### **Chapter 1. DESIGN BASICS AND PERFORMANCE CRITERIA**

**Task Force Leader:?**

### **Chapter 2. MANAGING CONTAMINATED SITES**

**Task Force Leader:**

### **Chapter 3. TRADITIONAL AND INNOVATIVE BARRIERS TECHNOLOGIES AND MATERIALS**

**Task Force Leader:**

### **Chapter 4. SEISMIC DESIGN OF SOLID WASTE CONTAINMENT AND LINING SYSTEMS**

**Task Force Leader:**

### **Chapter 5. NUCLEAR WASTE REPOSITORIES**

**Task Force Leader:**

### **Chapter 6. ENERGY GEOTECHNICS**

**Task Force Leader:**

### **Chapter 7. BIOGEOTECHNICS**

**Task Force Leader:**



# Future Activities



- **CALL to host the 9th International Congress on Environmental Geotechnics in 2022 (ICEG2022) closed on 31 July 2018.**
  - **One Candidature was submitted to TC215 Secretariat and will be presented today.**
  
- **3rd International Symposium on Coupled Phenomena in Environmental Geotechnics (CPEG3), Kyoto, Japan, 2020 (more on this today)**



## Topics

**Coupled Processes**  
**Surface Containment**  
**Clean-up**  
**Energy**  
**Sol-atmosphere interaction**

## Organized by

**ISSMGE (TC215)**  
**Japanese Geotechnical Society (JGS)**  
**Kyoto University**

## ABSTRACT DEADLINE

**November 30, 2019**

## updates

**[www.cpeg2020.org](http://www.cpeg2020.org)**

**3rd International  
Symposium on**

**Coupled  
Phenomena in  
environmental  
Geotechnics**

**Kyoto, Japan**

**CPEG  
2020**

**October 29th-30th**

- **TC215-TC106 joint session at 7<sup>th</sup> Asia-Pacific Conference on Unsaturated Soils, Nagoya, August 2019.**

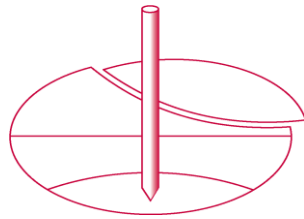
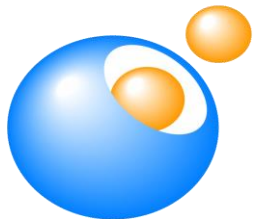


# AP-UNSAT2019

The 7<sup>th</sup> Asia-Pacific Conference  
On Unsaturated Soils  
August 23 – 25 2019  
Nagoya Japan  
The Japanese Geotechnical Society



Organized by:  
The Japanese Geotechnical Society  
Supported by:  
TC106 Unsaturated Soils of ISSMGE



## Special Session on Geo-Environmental Engineering

- **organized by TC215**
- **consists of paper presentations**
- **November 30, 2018 - full paper submission deadline**
- **accepts abstract from TC215 members submitted to Dr Takeshi Katsumi (katsumi.takeshi.6v@kyoto-u.ac.jp) by November 20**

- **TC 215 at XVII European Conference on Soil Mechanics and Geotechnical Engineering, 2019, Iceland, two options given:**
- **Provide a workshop slot on the Sunday with other TC's. This option would only have the additional cost of refreshments. Special registration along with the conference registration will be required for workshops. The workshops will be specially presented in the program and on the website.**
- **Invite TC's to organize and chair a technical parallel session, number and time length of presentations might slightly vary from other sessions, but presentations should mainly be based on submitted conference papers. This would not be of any additional cost for participants as it is a part of the main program.**



**Proposal submitted to have a workshop on Environmental Geotechnics in Cape Town, South Africa, in the lead up to the African Regional Conference on Soil Mechanics and Geotechnical Engineering in Oct. 2019.**

**Proposal submitted by Eugenia to have a one day TC215 workshop in the lead up to the Brazilian joint Congress on Environmental Geotechnics and Geosynthetics**

**Andrei Petriaev proposed to organize Environmental Geotechnics workshops in the frame of 4th conference "Transportation Soil Engineering in Cold Regions" which will be held in Saint-Petersburg, Russia 20 –23 May, 2019.**





# TC 215 WEB SITE



- **Web site set up by Dr Gemmina Di Emedio ( Ghent University, Belgium)**

**<https://sites.google.com/site/tc215issmge>**

