

TC 215 Environmental Geotechnics



TC215 Activities report- Sept. 2016-Feb. 2017

1- TC215 membership database

- Membership list can be found in the following link:

<http://www.issmge.org/committees/technical-committees/applications/geo-environmental->

2- Expression of Interest (EOI) to host the 9th International Congress on Environmental Geotechnics in 2022

(ICEG2022): It is time to prepare the EOIs to host the 9th ICEG scheduled for 2022. The EOIs will be assessed by a sub-committee composed of selected members of TC215 and chairs of past ICEGs to be appointed in the next few months before full proposals will be sought from the candidates. Committee members (or their representatives) interested in hosting ICEG2022 should prepare the EOI for consideration by the selection sub-committee. The EOI should contain the following information:

- Proposed location - city, country
- Quality of available conference facilities – hotels, restaurants, local transportation, etc.
- Proposed dates
- Congress theme.
- Primary attractions – historical, cultural, technical
- Local climate during proposed times
- Hosting organizations – local universities, engineering and/or professional chapters, etc.
- Ease of travel – distance of venue from closest major international airport, travel time from major continents, etc.

Please submit the EOI to me with a copy to Andrea as soon as possible.

3- The 2nd International Symposium on Coupled Phenomena in Environmental Geotechnics (CPEG) will take place 6-7 Sept. 2017 in Leeds, United Kingdom, followed by a workshop on grand challenges on 8 Sept. Further info are given in <http://tinyurl.com/cpeg2017>.

Paper submission deadline is Sunday 30 April 2017

Keynote speakers:

Malek Bouazza - Monash University, Australia

Mario Manassero - Politecnico di Torino, Italy

John McCartney - University of California San Diego, USA

Catherine Mulligan - Concordia University, Canada

3- E-Unsat 2016, 12-14 September, Paris

- A joint session TC215-TC106 on the Environmental Geotechnics theme took place on 13th Sept at 11:00 am. The following papers were presented:
 - › Influence of atmospheric conditions on the strength of unstabilized earthen constructions - *Pierre Gerard, Université libre de Bruxelles - Laboratoire de GéoMécanique*
 - › Improved climatic chamber for desiccation simulation - *Catalina Lozada, Universidad de los Andes*
 - › Aging effect on swell, shrinkage and flexural strength of sand and waste marble powder stabilized expansive soil
Serife Oncu, Eastern Mediterranean University
 - › Feasibility study of a new unsaturated three-layer landfill cover system - *Jason Coo, Hong Kong University of Science and Technology*
 - › Experimental study of gas breakthrough and emission in an unsaturated clay landfill cover - *Zhongkui CHEN, Hong Kong University of Science and Technology*
 - › Testing surfactants as additives for clay improvement: compaction and suction effects - *Sergio Lourenco, The University of Hong Kong*

6- Publications

- A special issue on Developments in Geosynthetics for Environmental Protection has been published in 2016 in Geotextiles and Geomembranes. See ref. below:
 - Geotextiles and Geomembranes
Volume 44, Issue 5, Pages 655-780 (October 2016)
Developments in Geosynthetics for Environmental Protection
Edited by A. Bouazza and N. Touze-Foltz
- A special Issue on Geoenvironmental Engineering Case Histories is under preparation for publication in the ISSMGE International Journal of Geoenvironmental Engineering Case Histories in 2017. The following abstracts (out of 7 abstracts submitted) have been accepted:
 - Forensic analysis of an interface stability failure at a zone of saturation landfill: The metro case history.
Tuncer B. Edil, Craig H. Benson, Luis Camacho, and Dale T. Lane
 - Approach for the treatment and management of radio-caesium contaminated soils from road maintenance in Fukushima
Norihiko Isomatsu, Tetsuo Yasutaka, Junya Andou, Osamu Takahata, Shyoujirou Kumada, Hideo Komine, Shinji Miyaguchi, Mariko Monma, Koji Ishiyama, Tadafumi Nanjo
 - Geophysical Techniques used to characterize landfill: A Case Study
B.P.Naveen, T.G.Sitharam, P.V.Sivapullaiah and Sunil Kumar
 - Compaction and hydraulic conductivity control in the design of landfill cover systems
Schepis M., Cortellazzo G., Favaretti M., Mandaglio M.C., Moraci N.
 - Hazardous Waste Landfill in Karst Terrain: Study on Hexavalent Chromium Contamination in Chhattisgarh State, India
Madhurima Pandey, Alka Banchhor, Shashwat Pandey, and Piyush Kant Pandey

7- 8th International Congress on Environmental Geotechnics, Hangzhou, Nov. 2018

Call for abstracts to be released very soon

8- 7th International Conference on Unsaturated Soil, Hong Kong, August 2018 (<http://www.unsat2018.org/>)

A joint TC215-TC106 session is scheduled to take place during the conference, more details will follow very soon. Call for abstracts has opened, check the above link for submission.

8- 11th International Geosynthetics Conference, Seoul, Sept. 2018

Possible TC 215 special session to take place, see separate email sent to you on this matter

9- ICSMGE, Seoul 2017

30 abstracts have been submitted to the TC215 stream. 2 sessions might be allocated to TC215 depending on numbers of full papers submitted. These sessions will take place together with the delivery of the R.K Rowe lecture by Dr. Mario Manassero. Possible workshop might also take place. At this point in time no confirmation has been provided by the organisers.

10- ISSMGE News & Information Circular

- Check the ISSMGE website (www.issmge.org) for information on a range of awards, lecturers, webinars and events.

Please feel free to contact me or Prof. Kerry Rowe if you need to discuss any TC215 matters.

Best regards

Malek

Chair TC 215 Environmental Geotechnics