

Engineering Geology & Site Characterization Committee
Conference Call Meeting, Friday September 29, 2017
12:00-1:00PM Eastern Standard Time

Dial-In Instructions

Toll Free: (800) 832-0736
Toll: (303) 330-0440
Room Number: * 986 0907 #

Members and Friends in Attendance

Aaron S Budge
Abu-Farsakh Murad
Allen Jones
Amy B. Cerato
Bill Akin
Brady Cox
Dai Sheng
Dan Jankly
Donna Dickert
David Saftner
Frank Jalinoos
Joseph Coe
Junliang Tao
Khalid Alshibli
Leon van Paassen
Marcelo Sanchez
Nick Hudyma
Paul Mayne
Rachael Wright
Ray Jiv
Richard Gray
Shaoyang Dong
Tejo Vikash, Bheemasetti
Thomas Oommen
Xiong (Bill) Yu

Excused

Anand J Puppala
Anna Shidlovskaya
Bill Likos
DeJong Jason
El Hachemi Bouali
Jean-Louis Briaud
Jeff Keaton
Jeremy Ashlock
Lee Wooten

Lewis Mike
Malay Ghose Hajra
Paola Bandini
Roman Hryciw

Agenda Items:

1. Introduction of new members

Bill requested the 4 new members to introduce themselves

- a. Tejo Vikash, Bheemasetti, - Post doc, University of Texas Arlington
- b. Sheng Dai– Assistant Professor, Georgia Tech
- c. William Akin – Development Engineer, Chapel Hill, Carolina
- d. Rachael Wright – Engineer, Geo-Technology Associates, Inc.

Bill welcomed new members to the committee.

2. Approval of minutes from 2016 Geo□Structure conference meeting

Aaron proposed to approve the minute. Nick seconded. The minute was unanimously approved.

3. Update from TCC Liaison –Anand Puppala, Nick Huydma, and Roman Hryciw

Anand and Roman were not present. Didn't have much of an update. Nick mentioned about the TCC conference call this afternoon to discuss project proposals. Bill mentioned that our committee has submitted two proposals.

4. Committee Liaison Report

- a. ISSMGE (Korea Conference) – Paul Mayne: Paul mentioned that the ISSMGE conference is Seoul was very successful. Over 1900 attendees (1937) participated. TC102 had a healthy meeting. Several technical session, special workshop, and a meeting. All the proceeding are available for free download. You can access this from the ISSMGE website. June 2018 a CPT conference at Delft. International site characterization will be held in Budapest in Sept 2020. Australia will host the next ISSMGE in 2021 in Sydney.

Conference Information

- TC 102 on In-Situ Testing: <http://www.webforum.com/tc102>
- Intl. Society: www.issmge.org
- CPT'18 (Delft. June 2018): 3rd Intl. Symposium on Cone Penetration Testing: www.cpt18.org
- 6th Intl. Conf. on Geotechnical & Geophysical Site Characterization, Budapest (Sept 2020): <http://www.isc6-budapest.com/>
- Sister DFI Committee on Subsurface Characterization that The Committee should be interacting with. <http://www.dfi.org/groups.asp?tc>

- b. Federation of International Geo□engineering Societies □ Jean□Louis Briaud, Anna

Shidlovskaya: Anna was not able to connect. Bill will forward the update form Anna.

- c. G \square I Task Force on Risk Based Design Guide – Jean \square Louis, Bill Yu: Idea was proposed by Jean-Louis. One of the workshops included invited speakers from Federal agencies. The first day of the workshop discussed content for education. Second day was closed door for only task force members.
One idea brought up by Jean-Louis after the call for future meetings: “How do we select a design parameters, often called characteristic value, from a soil profile with a varied number of results”. Is it the mean, then mean minus one standard deviation, the lower value, what about depth, what about the influence of the time of the year where the boring is done, what about the distance from the design feature, what about the influence of the number of data points, what is currently in the codes (AASJTO, Eurocode, Canadian code,...). This may be a great topic for a session or series of session to come up with a consensus answer from your committee members.
- d. ISSMGE TC308 – Marcelo Sanchez: TC308 had the meeting at last ISSMGE in Korea. 18 papers were submitted. 7 as oral and other as posters. TC308 was started 4 years ago in Paris. Marcelo was selected to continue as chairman. At the conference the committee was recognized as the distinguished committee. Next year Switzerland will be a symposium 26-28, September. Marcelo will send the details to the committee members.
- e. ISSMGE TC102 – Jason DeJong: Not available for update
- f. ISSMGE TC Sustainable Geotechnics – Ian Jefferson: Not available for update
- g. American GeoScience Institute \square Roman Hryciw: Not available for update
- h. Geo \square Institute \square Diane Swecker: Not available for update
- i. ASCE Publication \square Donna Dickert: No updates, but available to answer any questions.
- j. Russian Geotechnical Society \square Anna Shidlovskaya: Not available for update
- k. ASTM – Richard E. Gray: ASTM committee meets twice a year. Next meeting in January in new Orleans and in June in San Diego.
- l. AEG, IAEG, EEGS \square Jeff Keaton: Bill mentioned that Jeff provided an update and Bill will forward that to the committee. Jeff suggested a potential field trip during next geocongress led by Nick to Hurricane sites.
- m. TRB – Scott Anderson: Not available for update
- n. FHWA – Frank Jalinoos: Most of the work in foundation characterization. Geophysics methods using full wave –form method has shown good promise. For site characterization, this work can give the modulus values. Publications are in work. FHWA report on reuse of foundation material is being prepared. Bill mentioned that Frank could provide a webinar on UAV and small bathy boat. Frank is open to that idea.
- o. Other G \square I Committees: No updates
 - i. G \square I code and standard
 - ii. Unsaturated soils: Mid-American unsaturated soil conference coming soon
 - iii. Geotechnics of soil erosion
 - iv. Geophysics engineering
 - v. Sustainability

5. Committee Members/Friends in the News 2016 \square 2017

- a. Jean Louis Briaud: 2015 \square 2016 Cross Country Lecturer

- b. Paola Bandini: ERC
- c. Anand Puppala: University □ Industry cooperative research center.
- d. Amy Cerato: Prakash Prize
- e. Scott Anderson: 2017 AEG and GSA Jahns lecturer
- f. Bill Yu: Fellow ASCE
- g. Jie Han: 2017 ASCE Martin S. Kapp Foundation Engineering Award (awarded)
- h. Ning Lu: 2017 Peck Award (joint with Soil Properties and Modeling and Unsaturated Soils)
- i. Jean □ Louis Briaud. Seed Medal (joint nomination with Geotechnics of Soil Erosion, Shallow Foundation Committee.)
- j. Other more news missed?

Nominations: Bill mentioned that Nick has been contributing to prepare these award nominations. We should continue to nominate our members. Nick mentioned that he is happy with the work load for this year.

- k. Kyle Rollins: Wallace Hayward Baker Award (participation)
- l. Amy Cerato: Huber Research Prize
- m. Nick Sitar: Thomas A Middlebrooks Award
- n. Ning Lu: Norman Medal

6. Committee Involvements in Conferences:

- a. 2017 GeoFrontier 2017 (Aaron): Aaron mentioned that for the students 4 different competitions. Lot of students participated. Student registration will be more costly in the future with full registration.
- b. 2018 IFCEE 2018: Aaron provided an update that PDCA and other committees are leading the effort. It will be from Tuesday to Friday instead of the traditional Sunday start.
- c. 2018 IAEG/AEG Congress (Jeff, Bill and Tom) Tom provided an update that the conference will be in September, 2018. The call for papers have closed. But there will be only abstract call in January and over 2000 people are expected to attend the conference.
- d. GSPs: Bill mentioned that if anyone is involved in organizing a conference our committee can endorse the GSP publication and support those efforts.

7. Special projects (on □ going & planning)

Previous, on □ going

- a. Educational videos – Paul and Nick: Paul mentioned that enough videos are out there. He is waiting for feedback from committee on the powerpoint. Bill will get back on feedback.
- b. Update ASCE Red Book (#56): strategy to move forward – Mike Lewis: Task force decided to not attempt to update the ASCE red book as it is very outdated.
- c. Engineering geology instructional materials – Thomas Oommen: Tom updated that the six member committee is making progress. Two modules are complete four are in progress and hope to have it ready for Spring Semester.

Proposed

- d. G □ I local chapter speaker fund program – Bill Yu: Bill submitted this proposal to support our committee members to travel and give talk at other local chapters. Nick mentioned that other committees

have done this successfully in the past years. Dimitrios the TCC chair is very supportive of these kind of activities that connect the institute with practitioners.

e. Developing online interactive games for teaching site investigation and engineering geology □ Leon van Paassen: Leon updated that he just submitted the proposal. He is going to try the course in Spring semester. Material will be updated and made available online.

f. Other ideas to pursue in the future: Bill mentioned the other ideas couldn't be submitted as proposal due to time constraints this year. But these activities can be followed up in the next years.

i. Video documentary of pioneers in Geotechnical Engineering – Jiliang Li

ii. Biological method for soil treatment □ Anna Shidlovskaya

iii. Webconference

8. Committee Discussion Items:

a. Sub□Committee Updates

i. Website Committee □ Joe Coe: Joe updated that since the last meeting some updates have been posted to web. Broken links have been corrected. CPT video and meeting minutes are available on the web.

ii. Membership Committee □ Dante Fratta: Not available for update

iii. Awards Committee □ Nick Hudyma: Nothing to add

b. Other items

i. Webinar, GeoStrata special issue, etc. Bill updated on these topics. From the geostrata submissions editor made the final selection for the articles.

1. Rockfall hazard rating system as a tool for designing rock slope

2. Borehole geophysics for rock exploration (selected)

3. Application of impact mechanics to rockfalls

4. Commentary □ Dave Rogers

ii. Strategy to improve interactions with Engineering Geology committees (AEG, IAEG, Canada and Mexico)

Possible symposium/technical sections at IAEG conference

9. Committee specialty conference

a. Computational Geotechnics (2019)

b. Earthquake Engineering (2018)

c. Grouting (2017)

d. Risk Assessment & Management (2017)

e. Soil Properties and Modeling (2019)

f. Unsaturated Soils (2017)

g. Engineering Geology and Site Characterization (target at 2020, partner with AEG) –Tom provided the update that we had some initial conference call discussion with AEG coordinator Sarah Kalika. AEG is open to have a joint conference in 2020. Bill will submit the form to GI to get approval Bill mentioned we would need several volunteers.

10. Other Business

N/A

11. Meeting Adjourn

Tom proposed to adjourn. Nick seconded. The Conference call adjourned at 1PM EST.