



ASCE Geo-Institute: Engineering Geology and Site Characterization Committee Annual Conference Call Meeting

Meeting Date: Tuesday September 18, 2018, 3-4PM (EST)

Meeting Access:

<https://cwrucwru.zoom.us/j/464550715>

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Meeting Minutes

Members and Friends in Attendance

1	Thomas Oommen	Michigan Technological University
2	Nick Huydma	University of North Florida
3	Diane Swecker	Geo-Institute
4	Aaron Budge	Minnesota State University
5	Xiong (Bill) Yu	Case Western Reserve University
6	Anand J Puppala	University of Texas Arlington
7	Joseph Coe	Temple University
8	Andrew Choe	Turner Construction Company
9	Rachel Wright	GTA Engineering
10	Michael Lewis	Bechtel
11	Brady Box	UT-Austin
12.	Frank Jalinoos	Federal Highway
13.	Zhen Liu	Michigan Tech
14.	Shaoyang Dong	CWRU
15.	Quan Gao	Pile Dynamics Inc.
16.	Zhang Yao	Colorado School of Mines
17.	Paola Bandini	New Mexico State University
18.	Erter Shawwna	sciengineering

Agenda Items:

1. Welcome to Attendees
Bill welcomed the attendees and all attendees made introduction
2. Review and approval of minutes from Committee meeting during 2018 IFCEE
This item was moved to be resolved later by email.
3. Update from TCC Technical Liaison (Anand Puppala and Nick Hudyma)

Anand provided the TCC update. Mentioned that the TCC would be meeting tomorrow and he didn't have much update. But he reminded that the annual report is due by the end of this month and any special project submission should be made before Sept 20th. Philadelphia conference is coming up and they had a meeting last week.

Nick updated that TCC is planning to have a Geocongress liaison for each committees to coordinate short course or special session from non-members of technical committees. Anand asked how this could work since chair would also be doing similar tasks. Nick clarified that this liaison could be the chair or another person.

4. Committee Liaison Report

- a. ISSMGE – Paul Mayne, Jean-Louis Briaud: Updates have been emailed
- b. Federation of International Geo-engineering Societies - Jean Louis Briaud: Updates have been emailed
- c. ASCE and G-I Task Force on Risk Based Design Guide – Jean Louis: Updates have been emailed. Bill updated on this effort and asked for input from the committee.
- d. ISSMGE TC308 – Marcelo Sanchez: Marcelo has sent bill some updates that he will email the membership.
- e. ISSMGE TC102 – Jason DeJong: No updates
- f. ISSMGE TC Sustainable Geotechnics – Ian Jefferson: No updates
- g. Geo-Institute - Diane Swecker: Diane mentioned that the project proposals will be reviewed on Sept 20th afternoon. End of the month the annual report is due. Bill mentioned the idea for special projects are to continue speaker fund, develop videos for specialized soil testing, and the idea that Jean Louis presented on risk based design. Diane indicated that these are good ideas and some committees have done similar things on other topics that could be used as examples. Bill mentioned that the speaker fund has been a learning experience for our committee. Thomas has been a speaker with the Cleveland ASCE utilizing the speaker fund. Diane mentioned the speaker fund would cover the travel and \$135 dollars for per diem. ASCE reimbursement policy doesn't cover any other cost.
- h. ASCE Publication - Donna Dickert: No updates
- i. Russian Geotechnical Society - Anna Shidlovskaya: Bill emailed the updates
- j. ASTM – Richard E. Gray: No updates.
- k. AEG, IAEG, EEGS - Jeff Keaton: Bill emailed the updates
- l. American GeoScience Institute - Roman Hryciw: No updates

- m. TRB – Scott Anderson : No updates
- n. FHWA – Frank Jalinoos: Frank updated on the work on how remote sensing techniques are being used to develop engineering quality data for post-disaster hazard assessment. The platforms for remote sensing include UAV and boats and sensors include optical, LiDAR, and SONAR. The report has been prepared and it is going through the official publication process and should be ready in 2 months. Drones and manned aircrafts can provide very useful information immediately after the hazard. Anand mentioned that they gave a webinar to Minnesota DOT on this topic. Anand has completed a TXDOT project on this topic and just started on a new project. Anand mentioned that Thomas from Michigan Tech was involved in some of that. Anand is planning for a special session on UAV based assessment at TRB 2019.
- o. Subcommittees-
 - i. Website Committee - Joe Coe: Bill mentioned that Joe has been maintaining the website and the educational material on the website has been well received. Bill has got comments that the quality of the material is very good.
 - ii. Membership Committee - Dante Fratta : No updates
 - iii. Awards Committee - Nick Hudyma: Nick is the chair and Amy volunteered to help. Nick mentioned we have 2 nominations. Jean Louis and Juliang Tau. Bill mentioned that Paul Mayne has been selected for the cross country lecturer award. Bill mentioned that Paul already has around 20 lectures scheduled.
- p. Other G-I Committees
 - i. Unsaturated soils: No updates
 - ii. Geotechnics of soil erosion: No updates
 - iii. Geophysics engineering: No updates
 - iv. Sustainability: No updates
 - v. Student participation committee- Aaron updated that the DIGS will be part of the student competition from the Philadelphia conference.

5. Committee Members/Friends in the News

Bill mentioned that our committee has been very active nominating many members and Nick is our nomination committee chair. All the nominations are listed below:

Prior to 2017

- a. Jean Louis Briaud: 2015-2016 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, NSF CRISP grant
- 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.)
Nominations in 2017-2018
- j. Kyle Rollins: Wallace Hayward Baker Award (joint with shallow foundation, finalist)
- k. Amy Cerato: Huber Research Prize (TBD)
- l. Nick Sitar: Thomas A Middlebrooks Award (TBD)
- m. Ning Lu: Norman Medal (TBD)
- n. Paul Mayne: Cross Country Lecturer (selected)
Nominations in 2018-2019
- o. Jean Louis Briaud: Seed Medal (TBD)
- p. Junliang Tao: Casagrande Professional Development Award (TBD)

6. Committee Involvements in Conferences:

- a. 2019 GeoCongress: Aaron indicated that he is not involved much in the Philadelphia conference but he is in the development committee for the 2020 conference in Minneapolis. Joe is involved in the 2019 conference and will be happy to answer any questions.
- b. 2018 IAEG/AEG Congress (Jeff): Update has been emailed.
- c. GSP IACGE 2018 Geotechnical and Seismic Research and Practices for Sustainability (Bill): The proceedings is in the final stage of production.
- d. 2nd USUCGER Workshop for Junior Geotechnical Faculty (Bill): Bill provided and update. NSF provided support for the junior faculty. 10 senior faculty members shared experience to junior faculty. The participants expressed high satisfaction. The conference is recorded and available on YouTube. Each participant had an opportunity to get critical review on their idea.
- e. Geocongress 2020: Nick and Roman are co-chairs for it.

7. Special projects (on-going & planning)

Bill provided an update of the special projects of the committee. Several projects have been successfully completed or are in progress.

Previous

- a. Educational videos – Paul and Nick: This is available on the website now.
- b. Update ASCE Red Book (#56)– Mike Lewis (closure)
- c. Engineering geology instructional materials – Thomas Oommen, Sajin Kumar Kochappi Sathyan, Nick Hudyma, Roch Player, Mala Ciancia, and Anna Shidlovskaya: Bill mentioned that he has got very good feedback on this at the geotechnical conference. Some of the junior faculty are using it in classroom.
- d. G-I local chapter speaker fund program – Bill mentioned that this a good opportunity that all members can take advantage of.

- e. Developing online interactive games for teaching site investigation and engineering geology - Leon van Paassen: Leon is working on this.
- f. Webconference - Thomas: Thomas mentioned that we haven't heard about the proposal. Diane mentioned that this might have somehow got overlooked. Diane promised to have that as a priority for 2019. The content from 2018 webconference is available on youtube.

Future planning

- g. Video demo of advanced laboratory testing methods for soils
- h. Survey of the variability of typical geotechnical soil parameters
- i. Other ideas to pursue in the future
 - i. Video documentary of pioneers in Geotechnical Engineering – Jiliang Li
 - ii. Biological method for soil treatment - Anna Shidlovskaya
 - iii. Webconference

8. 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) –Bill, We plan for a separate conference. Bill will seek more input from committee

9. Other Business

Committee succession plan: Bill mentioned he had the privilege of serving the committee 6 years. Bill mentioned his term would end middle of 2019. The convention is that the vice-chair Aaron will become chair and Secretary Thomas will become vice-chair and we select a secretary. Aaron suggested that we have that on the agenda for the spring meeting.

10. Meeting Adjourn

Aaron proposed to adjourn the meeting and Thomas seconded it.