

**MEETING OF THE FEDIGS JOINT TECHNICAL COMMITTEE ON EDUCATION
(JTC3)
Korea, SEOUL, 20 SEPTEMBER 2017**

Meeting location and date: COEX Convention center, Seoul

Meeting date: Wednesday, 20 September 2017

Meeting time: 17:00 to 20:00

Meeting room: Asem (2F), room 209

Invited Attendees:

Members of the JTC3:

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| 1. Anna Shidlovskaya | Chair of the JTC3, confirmed |
| 2. Scott Burns | Vice-chair (IAEG), confirmed |
| 3. Anna Timchenko | Secretary (IAEG), confirmed |
| 4. Waldemar Hachich | Member (ISSMGE), regrets |
| 5. Michele Calvello | Member (ISSMGE), regrets |
| 6. Chungsik Yoo | Member (IGS), regrets |
| 7. Martin Ziegler | Member (IGS), regrets |
| 8. K. Rajagopal | Member (IGS), regrets |
| 9. Seokwon Jeon | Member (ISRM), confirmed |
| 10. Shucai Li | Member (ISRM), unknown |
| 11. Tatiana Rotonda | Member (ISRM), regrets |
| 12. Mabel Chedid | Member (PhD student), regrets |

Invited Guests

- | | |
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| 13. Jean-Louis Briaud | President of FedIGS, confirmed |
| 14. Carlos Delgado | Past President of IAEG, unknown |
| 15. Wu Faquan | Secretary General of IAEG, unknown |
| 16. Russell Jones | President of IGS, regrets |
| 17. Jorge Zornberg | Past President of IGS, unknown |
| 18. Elizabeth Peggs | Secretary General of IGS, unknown |
| 19. Eda F. De Quadros | President of ISRM, confirmed |
| 20. Xia Ting Feng | Past President of ISRM, confirmed |
| 21. Luis Lamas | Secretary General of ISRM, confirmed |
| 22. Roger Frank | President of ISSMGE, confirmed |
| 23. Neil Taylor | Secretary General of ISSMGE, confirmed |
| 24. Marina Pantazidou | Member of ISSMGE committee on education, confirmed |

Wednesday 20 September 2017 from 17:00 to 20:00 (180 minutes)

1. Welcome and Introduction of the Members and Invited Guests (Anna Shidlovskaya)

2. **Note-keeper appointment.** It was agreed that the note keeper would be the secretary of the JTC3 Anna Timchenko.
3. **Committee membership** (introduction of the new members, action - to look for more members from IAEG and to replace the members who are not active). Anna Shidlovskaya introduces the new member of JTC3 Mabel Chedid (PhD student from Texas A&M University)
4. **Approval of agenda.** Requests for comments - none given.
5. **Opening statement from the chair: accomplishments from August 2015 to September 2017.** Presentation is made by Anna Shidlovskaya.

Anna Shidlovskaya presents the updated JTC3 program, the goal and the terms of references and activities, the accomplishments since August 2015 to April 2016 and since April 2016 to September 2017. The program was modified after the last meeting which took place in Miami in 2016.

One of the major accomplishments of the JTC3 activity is the development of the website (www.jtc3.com). It includes:

- a) the information about the books and textbooks, journals, videos, and presentations suggested by each international society and JTC3.
- b) new activity is the power point presentations on case histories. There are 11 case histories on the web site including historical monuments (Effel Tower, Pisa Tower, San Jacinto Monument, St. Isaac's Cathedral, Washington Monument), rock cliff (Pointe du Hoc), dam (Teton Dam prepared by the PhD student Mabel Chedid), Seattle 46m MSE wall, Shrink-swell Soil Foundations, Transcona Silo, and Woodrow Wilson Bridge. These presentations were prepared by Jean-Louis Briaud, Mabel Chedid, and Anna Shidlovskaya. Anna Shidlovskaya asks the members to prepare more case histories on the topics on rock mechanics and rock engineering, engineering geology, and geosynthetics. She notes that the information about case histories on the web site was distributed as a news item on USUCGER (The United States University Council on Geotechnical Education and Research) and is posted as a news item through Geoengineer.com (www.geoengineer.com) to reach out hundreds and possibly thousands of professors. Anna thanks Dimitrios Zekkos for his help with Geoengineer.com.
- c) the presentation on the history of geoengineering schools worldwide. Anna Shidlovskaya informs that there is a ppt presentation about the history of engineering geology school in Russia particularly at University of Mines prepared by Anna and uploaded on the web site.
- d) information about syllabuses for geo-engineering and courses taught in geotechnical engineering, engineering geology, rock and soil mechanics, and geosynthetics. Anna Shidlovskaya notes that the paper on suggested syllabus for teaching geotechnical engineering is uploaded on the web site. The next

- step is to have such information on soil and rock mechanics, engineering geology, and geosynthetics prepared by the members of the JTC3. She asks the members to get interested in preparation of the presentations.
- e) The bios of JTC3 members and their photos. Currently, there are 7 bios on the web site. She asks the members who have not sent the bios to do that ASAP.
 - f) Anna Shidlovskaya notes that to optimize success, JTC3 should get more support from each member societies. She proposes to replace the members who are not active with the new ones.
6. Open discussion on JTC3. What is JTC3? Why is it necessary to have a JTC3? What is our strategy? (All).
- a) ACTION: Anna Shidlovskaya - to look for more members from IAEG. Everybody agrees to have more members from IAEG. Anna is going to talk about that to Scott Burns.
 - b) ACTION: Eda Quadros notices that a lot of activity has been done on the JTC3 from April 2016 (Miami JTC3 meeting) to September 2017. Everybody agrees.
 - c) ACTION: Anna Shidlovskaya and Jean-Louis Briaud suggest that the chairs of the education committees of four international societies should join the JTC3. Currently, there are only two chairs of education committees involved in JTC3: Chungsik Yoo (IGS) and Waldemar Hachich (ISSMGE). It is discussed that two other chairs of the education committees within IAEG and ISRM should join the JTC3. It was agreed that having the chairs of the education committees in JTC3 would help with an interaction between four societies and JTC3.
 - d) ACTION: All participants agree that the goals in the JTC3 plan are needed and will be well received.
 - e) ACTION: Roger Frank notices that the JTC3 members have to be more active and need to give their feedback to JTC3. Jean-Louis Briaud emphasizes on a point that the JTC3 members representing each society do not have an opportunity to meet in person and it creates some difficulties in JTC3 communication. Luis Lamas proposes to have a Skype meeting with the JTC3 members. Anna Shidlovskaya and Jean-Louis Briaud point out that it is difficult to set up Skype meeting with the members who do not reply the emails. Anna Shidlovskaya says that she is ready to set up a Skype meetings with the committee members but first she needs to reach them by email. Anna Shidlovskaya asks the Presidents to help her to reach them.
 - f) ACTION: Luis Lamas wonders who is not active in the JTC3. Anna Shidlovskaya responds by saying that some members from ISRM and ISSMGE are not active. She notices that she has never heard back from Chucai Li and only once from Waldemar Hachich. All agrees to replace the members who are not active with the new ones. Roger Frank initiates to replace Waldemar Harchich with Marina Pantazidou who is likely to become a new chair of the education committee within ISSMGE. Roger Frank is going to ask the new president of ISSMGE Charles Ng to prove a candidacy of Marina Pantazidoo and to send one more member to the JTC3.

- g) ACTION: Anna Shidlovskaya notices that some members have not sent their BIOs to upload on the JTC3 web site. Everybody agrees that the members should send the BIOs to Anna Shidlovskaya ASAP.
 - h) ACTION: Anna Shidlovskaya emphasizes the importance of having the information about geoengineering schools (Universities) on the web site. She mentions that she has prepared the ppt presentation on Engineering Geology School in Mining University and uploaded it on the web site. Eda Quadros agrees on the value of having this information about different geoengineering school worldwide prepared by the JTC3 members. She emphasizes the point that it is very good to know the history and to share it with the professional societies.
 - i) ACTION: Everybody agrees that the case histories are a big success and should be continued. Every member of the JTC3 should prepare at least one case history within the coming year. Luis Lamas notices that Tatyana Rotonda can prepare a few case histories on rock mechanics and rock engineering because she has a big experience and already presented some cases. Anna Shidlovskaya appreciates that.
 - j) ACTION: Luis Lamas proposes to put the information on how to access the journals (web site link) in a separate column (open or close access). He says that it is convenient for the users to see if they can find the journal online or not. Everybody agrees. Anna Shidlovskaya is going to ask the JTC3 members from each international society to work on that issue.
 - k) ACTION: Roger Frank and Eda Quadros suggests having an update on the textbooks and papers. All participants agree.
 - l) ACTION: Anna Shidlovskaya informs the participants about upcoming conference on rock mechanics – EUROCK-2018. The conference will take place in Russia, St. Petersburg, 22-26 May 2018. The location is Mining University. The link to the conference is <http://eurock2018.com/en>. Anna Shidlovskaya proposes to have a panel discussion on geoengineering education and JTC3 meeting at that occasion. Everybody agrees and notices that it is a very good idea. Anna Shidlovskaya is going to set up the JTC3 meeting and a panel discussion on geoengineering education and to inform the JTC3 members and the Presidents about the date and agenda.
7. Report on IAEG education activity – Scott Burns. Scott could not come for the meeting because of a delay of his flight.
 8. Report on ISSMGE education activity – member of the society. It was already discussed.
 9. Report on IGS education activity – member of the society. Unfortunately, the members from IGS society could not come for the meeting due to a time conflict with an IGS meeting.

10. Report on ISRM education activity – member of the society. The president Eda Quadros and the general secretary Luis Lamas have already talked about that.

11. Future projects, new directions (Anna Shidlovskaya and all)

Final discussion. The presidents of the international societies and JTC3 members agree on promise to work close together on the list of the books and journals to improve the current one. They also promise to send the list of the upcoming conference. The presidents noticed that it is good to have all upcoming activities from all societies on the JTC3 website.

12. Next meetings location and date.

- a. IAEG for 2018 in San Francisco, September? Everybody agrees.
- b. EUROCK 2018 in St. Petersburg, Russia, May? Everybody agrees.
- c. ISRM for 2019? To be discussed later.

Anna Shidlovskaya proposes to have next JTC3 meeting in San Francisco in 2018 and panel discussion on education in St. Petersburg in 2018.

13. Summary of accomplishments and action items. The JTC3 meeting in Seoul on Wednesday 20 September went very well. Anna Shidlovskaya appreciates the participants for coming for the meeting and discussing the JTC3. She thanks JTC3 members for their work on progress and success of the committee. Anna Shidlovskaya especially appreciates the invited distinguished guest Eda Quadros, Jean-Louis Briaud, Roger Frank, Xia Ting Feng, and Luis Lamas for participating in the meeting and their support. Anna is looking forward to work together for a great success of JTC3 on geoenvironmental education and training. Eda Quadros expressed her thanks to Anna Shidlovskaya and the committee members for a job very well done and significant progress during the year. This is seconded by Jean-Louis Briaud.

14. Other business

15. Adjourn