



**Canadian Geotechnical Society**  
**Société canadienne de géotechnique**

**2016 Annual Committee Report**

**July 1, 2015 to June 30, 2016**

**Committee Name: Education Committee**

**Section 1: General**

Date of report: July 15, 2016

Prepared by: Jinyuan Liu

Committee Chair: Jinyuan Liu

End of Committee Chair's Term: December 2016

Committee's CGS web page address: [http://www.cgs.ca/committee\\_education.php?lang=en](http://www.cgs.ca/committee_education.php?lang=en)

Last time your Committee's CGS web page was updated: January 21, 2016

If your Committee has a separate website please provide address: N/A

Is there a link to the CGS website?: N/A

1) What is the mission statement, or main purpose, of your Committee?

The mandate of the Education Committee is to identify and address issues and problems concerning all aspects of the continuing education of society members. The Education Committee is also concerned with the involvement of students in the Society, as well as the geotechnical education at Canadian universities.

2) List one, or two or three (or more) specific things that your Committee will be working on, or wishes to accomplish, during the next CGS year (July 1, 2016 to June 31, 2017).

1. Transfer of chair position
2. Continue to organise on the CGS Student Competition
3. Support the organization of the 2016 Canadian Young Geotechnical Engineers and Geoscientists Conference
4. Develop a workshop with targeted interdisciplinary topics on geosciences/geoengineering and higher education within future CGS venues. The main objective will be to transfer lessons learned from current research by experts crossing the fields of Geology/Geoengineering, Education and Distance Education to professionals in geotechnical engineering. For example, one of the topics could be on how to effectively design field investigations and data gathering with blended learning technology

**Section 2: Current (as of June 30, 2016) Executive Committee Members and their Affiliations (employers or, if students, universities)**

Chair: Jinyuan Liu

Past Chair: Greg Siemens

Vice Chair: N/A

Secretary: N/A

Add others (as necessary)

Sumi Siddiqua

Paul Simms

Ariane Locat

Nicholas Vlachopoulos

Tareq Salloum

E. Maria Skordaki

Ahmed Fahmy

Meckkey El Sharnouby

Administrator Student Competitions, University of British Columbia

Chair CFG Fellowship Selection, Carleton University

Laval University

Royal Military College of Canada

Ontario Power Generation

Royal Military College of Canada

GeoTerre Limited

Atlantic Industries Limited

### Section 3: Number of Committee Members (as of June 30, 2016)

Executive Committee Members: 10

Total members:

### Section 4: Committee is affiliated with which other organizations

National affiliates (e.g. CIM for the Mining Geotechnique Committee) and names of CGS representatives

- N/A

North American affiliates and names of CGS representatives

- N/A

International affiliates (e.g. ISSMGE TC306 for the Education Committee) and names of CGS representatives

- N/A

### Section 5: Committee Finances (as of June 30, 2016)

Account Balance: \$17,479.43 As of (July 4, 2016)

### Section 6: Committee Activities in past year (July 1, 2015 to June 30, 2016)

- CGS Student Competition 2016 Competition:

A total of 15 submissions were received including: 8 Graduate Presentations, 6 Undergraduate Group Reports and 1 Undergraduate Individual Reports.

The 2016 CGS Student Competition winners were:

#### Undergraduate Report Award (Individual)

Rank	Name of Student	University	Department	Title of Report
1.	Samuel Kaluzny	University of Manitoba	Civil & Environmental Engineering	Tensile and pullout properties of geotextiles with and without wicking function
2.	N/A			

#### Undergraduate Report Award (Group)

Rank	Name of Students	University	Department	Title of Report
1.	Roxanne Hasiar, Michael Kraitman, Jacob Nicklen & Jacob Nikl	University of British Columbia (Vancouver)	Geological Engineering	Long Lake Tunnel and Surface Cut Pre-Feasibility Design and Comparison
2.	Brandon Anderson, Jesse Olafson, Patrick Palmer, Colleen Small	University of Saskatchewan	Civil and Geological Engineering	Slope Stability Assessment: Highway 23 Twinning Development

#### Graduate Student Presentation Award

Rank	Name of Student(s)	University	Department	Title of Presentation
1.	Irfan Muhammad	University of Waterloo	Civil Engineering	Investigation of frequency effects in bender-element testing
2.	Megan van Veen	Queen's University	Geological Sciences and Geological Engineering	Building a Rockfall Database Using Remote Sensing Data: Implications for Hazard Management in Canadian Rail Corridors

- **5th cYGEgc**

**Conference Overview:** The 5th Canadian Young Geotechnical Engineers & Geoscientists Conference (cYGEgc 2016) is a triennial Canadian Geotechnical Society event. The conference is targeted towards young engineers and geoscientists who are looking to exchange technical information with their peers and build meaningful networks in a relaxed, supportive, and motivational environment. The conference will be hosted in Whistler, B.C from September 29th to October 1st, 2016, prior to the national CGS Conference GeoVancouver. The cYGEgc will include a one-day technical tour, two-days of technical sessions, and social events.

The cYGEgc 2016 has 53 registered young delegates from across Canada with a mix of university and industry experience. Registration for the conference closed on June 24, 2016. A summary of the conference is provided below and additional information is provided on the conference website; <http://www.cygegc2016.com>

On the first day of the conference all delegates will attend a technical tour. In order to keep the technical tour small and intimate, the conference is pleased to be hosting two technical tours. The technical tours are:

- A tour of the Seymour Falls Dam and presentations on the dam safety upgrades to the Seymour Falls and Cleveland Dams;
- A tour of the Britannia Mine remediation facilities, mine museum and a local debris flow barrier.

Subsequently, two days of technical sessions will be held in the conference facilities at the Delta Whistler Village Suites. The technical sessions will include delegate presentations and speeches from distinguished keynote speakers. The conference will include a combination of poster and lecture style presentations from every delegate. Additionally, there will be 5 keynote speakers with half hour presentations, including presentations by:

- Dr. Evert Hoek
- Mr. Al Hoffman
- Dr. Suzanne Lacasse
- Dr. Norbert Morgenstern
- Mr. Doug Vandine

In order to create opportunities for networking, social events will be provided in the evening and all delegates were encouraged to stay at the Delta Whistler Village Suites. Social events include dinner at two local restaurants in Whistler and a semi-formal banquet on the last evening of the conference.

The conference has been generously supported by 15 companies in the geotechnical community, amounting to a total sponsorship of \$11,350. This sponsorship has allowed the cYGEgc to provide subsidized conference fees for all delegates. Additionally, two delegate sponsorships were provided including a \$500 travel bursary and a full conference fee sponsorship.

Planning for the conference is well underway and the conference organizing committee is excited for the event. The conference committee would like to thank the CGS and the CGS education committee for all of the support which they have received.

(as per information provided by Julian McGreevy and Maraika De Groot, 5th cYGEgc Co-Chairs).

- **Canadian Foundation for Geotechnique National Graduate Scholarship (Now the Michael Bozozuk National Graduate Scholarship)**

The Canadian Foundation for Geotechnique National Graduate Scholarship, valued at C\$5,000, was established by the Canadian Foundation for Geotechnique in 2007 on the occasion of the 60th Canadian Geotechnical Conference. CGS Education Committee is administering the scholarship.

2016 Scholarship: There were 6 strong candidates, including 4 PhD candidates. The selection committee this year was Paul Simms ( Carleton), Murray Grabinsky (University of Toronto), Mamadou Fall (Universite d'Ottawa), David Elwood (University of Saskatchewan), and Rodney Mcaffee (C-Core, Saint-John's Newfoundland). The committee's recommendation was passed to CFG President Dennis Becker on June 28th.

(as per information provided by Paul Simms, Chair, CFG Fellowship Selection Committee).

- **GeoJeopardy**

Following the successful Geo-Jeopardy event sponsored by Golder Associates the committee at the Pan-Am Conference in 2011 and three following events held in GeoWinnipeg, GeoMontreal, and GeoRegina. Another successful GeoJeopardy was organized successfully in GeoQuebec 2015 Conference.

- **Young Geotechnical Engineers Socials\_GeoQuebec 2015**

The committee sponsored social events of young geotechnical engineers and students during GeoQuebec 2015 conference. The venue and details were organized by Ariane Locat and Vincent Castonguay.

There were two activities for students and young professionals: the "Post Ice Breaker" and the "Old Québec Gathering". The two activities were opportunities for young geotechnical engineers to gather, share experiences and network.

**Post Ice Breaker:** The Post Ice Breaker was held after the Ice Breaker (Sunday night, September 20th 2015). The GeoQuebec Ice Breaker lasts from 5:00 to 7:30 pm and the Post Ice Breaker was scheduled to begin half an hour after the end of the Ice Breaker (at 8:00 pm). The event was held at L'Inox, a pub situated five minutes' walk from the conference hotel. There is a mezzanine on the pub's second floor that was reserved for the event (60 people capacity). A beer (or equivalent) and a European hot-dog was offered to every participant.

**Old Québec Gathering:** The Old Québec Gathering was held on Monday, September 21<sup>st</sup> 2015, during the CGS annual Banquet. The activity targeted students who were not invited to the Banquet (thus the majority of them). It was planned that three different bars/pubs located on Saint-Jean Street will be visited. The evening began at 7:30 pm at Le Sacrilège, then continued at 8:45 pm at the Pub Nelligan's. The last stop was at La Ninkasi du Faubourg around 10:00 pm. Throughout the night, two beers (or equivalent) offered to each participant. All the bars planned to be visited were situated at a reasonable walking distance from the conference hotel.

A total of costs of \$1,142.81 was submitted and processed in January 2016.