



Canadian Geotechnical Society
Société canadienne de géotechnique

2016 Annual Division Report

July 1, 2015 to June 30, 2016

Division Name: Engineering Geology Division

Section 1: General

Date of report: 15 July 2016

Prepared by: Nicholas Vlachopoulos

Division Chair: Nicholas Vlachopoulos

End of Division Chair's Term: December 31st 2018

Division's CGS web page address: http://www.cgs.ca/division_engineering_geology.php

Last time your Division's CGS web page was updated: March 2016

If your Division 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 Division?

The Engineering Geology Division's mission is to promote and facilitate the advancement, exchange and transfer of knowledge, skills and experience in the field of Engineering Geology for the benefit of division members and the profession. As part of the Canadian Geotechnical Society, the objectives of the Division are:

- To provide to its members opportunities to upgrade and update their professional-knowledge and skills;
- To present results of their professional activities, by organizing events and activities to facilitate knowledge, experience and information transfer and exchange; and,
- To promote co-operation among researchers and practitioners.

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

- Engineering Geology Workshop at GeoOttawa
- Have a draft ready of the Engineering Geology of Canada monograph

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

Chair: Nicholas Vlachopoulos, Royal Military College of Canada, Ontario

Past Chair: Doug Stead, Simon Fraser University, B.C.

Vice Chair: Stephen Butt, Memorial University of Newfoundland

Secretary: n/a

Members: Ariane Locat, Laval University, Quebec
Karine Champagne, HydroQuebec, Quebec
Anna Torgunrud, Mollard Assoc, Saskatchewan
Renato Macciotta, University of Alberta, Alberta

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

Executive Committee Members: 7

1st Choice members (can be obtained from Lisa): 120

2nd Choice members (can be obtained from Lisa): 307

Comments (point form)

- 1st choice members up by 14 from 2014
- 2nd choice members up by 54 from 2014

- **Section 4: Division is affiliated with which other organizations**

- National affiliates : -Association of Geohazard Professionals www link added to EGD page - <http://www.geohazardassociation.com/>
- Canadian Federation of Earth Scientists (CFES) (Nicholas Vlachopoulos, CGS Representative)
- North American affiliates: - AEG for the Engineering Geology Division
- International affiliates:- IAEG - CGS representatives (Doug Stead, CGS President)

Comments

- The EGD Chair provided a written report to IAEG on Canadian Engineering geology activities in May 2016

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

Account Balance: \$8,836.00.

Comments:

- Selected funding toward publication of an Engineering Geology in Canada Monograph to be considered in 2016

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

- Dr. Stephen Butt from the Memorial University of Newfoundland is now the Vice Chair of the EGD
- Dr. Renato Macciotta, joined the executive committee of the EGD as an Alberta Representative.
- Dr. Mark Diederichs was awarded the Thomas Roy Award for 2015 at the CGS annual conference in Quebec City in September 2015. Dr. Mark Diederichs has made major contributions to engineering geology. His work primarily involves the rock mechanics and geomechanics involved in underground mining and construction. He is considered internationally as one of Canada's most highly recognized and respected tunnelling and modelling experts. More information concerning Dr. Mark Diederichs can be located here: <http://www.queensu.ca/geol/diederichs>
- EGD provided multiple nominations and decided on a winner of the 2016 Thomas Roy Award
- Increased collaboration with the Rock Mechanics Division included hosting joint sessions at the CGS Annual Conference in in Quebec City. The Past Chair of Engineering Geology Division (Doug Stead) commenced his new role as Vice President (North America) of the International Society of Rock Mechanics at the ISRM Congress in Montreal for the period 2015-19.
- Increased collaboration with the CGS Landslides Committee. The Past Chair of the EGD was a member of the 2015 Schuster Medal selection committee. The Schuster medal was presented by Dr. Schuster to Dr. Davide Cruden at the 2015 CGS conference in Quebec City. There was a decision by the former Landslides (now Geohazards) committee for the 2016 Schuster medal to be awarded to a Canadian.
- EGD provided a nomination and voted on a winner of the 2016 Shuster Award
- During the EGD Executive meeting at GCS Conference in Quebec City initial plans were discussed for:
 - a 1-day Engineering Geology in Canada symposium or short course to be held in conjunction with CGS GeoVancouver in 2016, It was intended that this involve representatives from Canadian Geological Engineering programs and industry leaders in Engineering Geology. Initial discussions undertaken with the Vancouver organising committee to hold this meeting.
 - Notification was given by the GeoVancouver organizing committee that this symposium would not be held at GeoVancouver. It is the intent of the Engineering Geology Division to keep pursuing this option for GeoVancouver or to approach the GeoOttawa organizing committee in order to consider for inclusion at the CGS conference in 2017.
 - An Engineering Geology in Canada Monograph was proposed. This initiative will be led by the current EGD Chair, Nicholas Vlachopoulos.
- Publishers have been approached in order to determine the cost of a monograph. BiTECh quote was 200 pages, black and white throughout, soft cover, 200 copies; The production costs would be between \$9,000.00 and

\$11,000.00 and the printing costs between \$7,000.00 and \$8,000.00. Currently, the EGD does not have the funding to fully support this initiative.

- It has been proposed to have a joint session with the Professional Practices Committee at GeoVancouver that will include relevant speakers within EGD and within practice. This is being developed by EDG Chair and Suzanne Powell in conjunction with GeoVancouver organizers.
- Dr. Nicholas Vlachopoulos, EGD Vice Chair became CGS representative on CFES Council
- The EGD www page was updated to include links to further Engineering Geology related societies and to upcoming Engineering Geology events. Links to the IAEG Lecture Series and the 2015 IAEG Conference keynote speaker videos were added to the EGD www site. The EGD Past Chair (Elmo) gave a lecture on Discrete Fracture Networks in Bologna, Italy in June 2015 and is posted on-line: <http://www.iaeg.info/341-2/>
- Upcoming IAEG events and conferences can be seen at: <http://www.iaeg.info> .
- No EGD member was identified as being able to attend the IAEG Council Meeting in Cape Town, South Africa, on 28th August, 2016. As such, Professor Michel Jebrak a keynote speaker at the conference was asked and he agreed to represent Canada. Currently, he is not a CGS member.
- Working closely and have a CGS representative with the Canadian Federation of Earth Scientists (CFES). The current Chair, Nicholas Vlachopoulos is the CGS Representative. The CFES Annual General Meeting was conducted April 15 & 16 at Université Ottawa, Ottawa, ON. The CFES website is: <http://earthsciencescanada.com/cfes/> . The EGD Chair attended the CFES EGD and reported to National CGS on the minutes of the meeting.
- The EGD Executive was represented by members on the National and Scientific Technical Committee of the ISRM Congress held in May 2015 in Montreal. They were also represented at the International Organizing Committee of Slope Stability in October 2015 in Cape Town, South Africa.
- EGD Executive is also involved in the Eurock 2016 (Turkey) and Eurock 2017 (Czech Republic) Scientific Committees.
- ARMA: EGD Past Chair, Dr Doug Stead, was in the Organising Committee of ARMA/Technical Program Committee; and Chair was also involved as a Technical Session Developer as part of ARMA 2016 (Houston, Texas, US).
- EGD Executive supported the CGS nomination of Scott McDougall to represent the Canadian Geotechnical Society on the IAEG's C37 Landslide Nomenclature.
- Handover by Past Chair and New Chair conducted
- Society of Mining, Metallurgy & Exploration within the ASCE Committee on Sustainability has been in contact with CGS and the EGD. They are hosting a symposium and workshop that will be held in conjunction with the annual meeting next February 18-19, 2017, in Denver. CGS supports - provided logo and non-financial support to this venue.

Section 7: Additional information or comments

Very appreciative of the efforts and support provided by the current CGS National Executive.