



**THE CANADIAN
GEOTECHNICAL SOCIETY**

**LA SOCIÉTÉ CANADIENNE
DE GÉOTECHNIQUE**

2017
Annual Report / Rapport annuel
(July 1, 2016 to June 30, 2017)

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CANADIAN GEOTECHNICAL SOCIETY – AWARDS AND HONOURS 2017

R.F. Legget Medal Doug Stead, Simon Fraser University

R.M. Quigley Award Peter Robertson, “Cone penetration test (CPT)-based soil behaviour type (SBT) classification system – an update”

Honourable Mention: Louis Le Pen, David Milne, David Thompson, William Powrie, “Evaluating railway track support stiffness from trackside measurements in the absence of wheel load data”
C.W.W. Ng, C.E. Choi, A.Y. Su, J.S.H. Kwan, C. Lam, “Large-scale successive boulder impacts on a rigid barrier shielded by gabions”

G. Geoffrey Meyerhof Award Arvid Landva, BGC Engineering Inc.

Thomas Roy Award Erik Eberhardt, University of British Columbia

John A. Franklin Award Ming Cai, Laurentian University

Robert N. Farvolden Award Mike Wei, Water Protection & Sustainability – BC Ministry of Environment
(Joint award with IAH-CNC)

Robert Schuster Medal Abdul Shakoor, Kent State University (presented at the AEG Conf. in the USA)
(Joint award with AEG)

Graduate Student Paper Award

1st Prize Zhong Han, “Modeling stiffness and shear strength of unsaturated soils”
Civil Engineering, University of Ottawa, Dr. Sai K. Vanapalli

2nd Prize Haley Schafer, “Freezing Characteristics of Fluid Fine Tailings and their Relation to Unsaturated Soil Properties”, Civil and Environmental Engineering, University of Alberta, Dr. Nicholas Beier

Undergraduate Student Report Award (Individual)

1st Prize Dylan Stafford, “Shear Strength of Soils under Frozen and Thawed Conditions using Large Direct Shear Box”, Civil and Environmental Engineering, University of Manitoba, Dr. Marolo Alfaro

2nd Prize Guillermo Alexander Riveros, “Static Liquefaction Triggering Analysis of the Fundao Dam Contrasting the Behaviour of Iron and Gold Mine Tailings”, Civil and Environmental Engineering, The University of Western Ontario, Dr. Abouzar Sadrekarimi

Undergraduate Student Report Award (Group)

1st Prize Erik Cernik, Lea Johnston, Takako Miyoshi, Eric Zhou, “Feasibility Geotechnical Evaluation: Slope Design Criteria for the Phase III Bafour Open Pit Project”, Earth, Ocean & Atmospheric Sciences, University of British Columbia (Vancouver), Susan W. Hollingshead

2nd Prize Cormac Foster, Kristyn Fanstone, Chenyang Zhao, Tanishq Verma, “Evaluation of the Proposed Geothermal-Cold System Design for Prevention of Permafrost Thawing Beneath Structures in Northern Climates”, Biosystems Engineering, University of Manitoba, Dr. Kris Dick

Canadian Foundation for Geotechnique Michael Bozozuk National Graduate Scholarship

Jordan Aaron, University of British Columbia

A.G. Stermac Awards

Andrea Lougheed, BGC Engineering Inc.

Mustapha Zergoun, Thurber Engineering Ltd.

Alex Baumgard, BGC Engineering Inc.

CGS R.M. Hardy Keynote Address Richard Bathurst, GeoEngineering Centre at Queen's - RMC

Canadian Geotechnical Colloquium Michael Hendry, University of Alberta

Cross Canada Lecture Tours Dr. Vaughan Griffiths (Spring 2017), Dr. Jean-Marie Konrad (Fall 2017)

AWARDS FROM ENGINEERING INSTITUTE OF CANADA (EIC)

Julian C. Smith Medal

Michel Aubertin, Polytechnique Montreal

K.Y. Lo Medal

Bryan Watts, Kohn Crippen Berger

Canadian Pacific Railway Medal

D. Jean Hutchinson, Queen's University

Fellowship of the Institute (FEIC)

Bruno Bussière, Université du Québec en Abitibi-Témiscamingue

Fellowship of the Institute (FEIC)

Richard Chalaturnyk, University Alberta

Fellowship of the Institute (FEIC)

Paul Dittrich, Golder Associates

Fellowship of the Institute (FEIC)

Jocelyn Grozic, University of Calgary

Fellowship of the Institute (FEIC)

Catherine Mulligan, Concordia University

OTHER MAJOR CANADIAN AWARD

Fellow of the Royal Society of Canada

Richard Bathurst, GeoEngineering Centre at Queen's - RMC

LA SOCIÉTÉ CANADIENNE DE GÉOTECHNIQUE – PRIX ET DISTINCTIONS 2017

Médaille R.F. Legget Doug Stead, Simon Fraser University

Prix R.M. Quigley Peter Robertson, "Cone penetration test (CPT)-based soil behaviour type (SBT) classification system – an update"

Mentions honorables Louis Le Pen, David Milne, David Thompson, William Powrie, "Evaluating railway track support stiffness from trackside measurements in the absence of wheel load data"
C.W.W. Ng, C.E. Choi, A.Y. Su, J.S.H. Kwan, C. Lam, "Large-scale successive boulder impacts on a rigid barrier shielded by gabions"

Prix G. Geoffrey Meyerhof Arvid Landva, BGC Engineering Inc.

Prix Thomas Roy Erik Eberhardt, University of British Columbia

Prix John A. Franklin Ming Cai, Laurentian University

Prix Robert N. Farvolden Mike Wei, Water Protection & Sustainability Branch – BC Ministry of Environment
(Prix conjoint avec AIH-SNC)

Médaille Robert Schuster Abdul Shakoar, Kent State University
(Prix conjoint avec AEG)

Prix de la présentation des étudiants aux cycles supérieurs

1^{er} prix Zhong Han, "Modeling stiffness and shear strength of unsaturated soils"

Civil Engineering, University of Ottawa, Dr. Sai K. Vanapalli

2^e prix Haley Schafer, "Freezing Characteristics of Fluid Fine Tailings and their Relation to Unsaturated Soil Properties", Civil and Environmental Engineering, University of Alberta, Dr. Nicholas Beier

Prix pour le rapport des étudiants du premier cycle (individuel)

1^{er} prix Dylan Stafford, "Shear Strength of Soils under Frozen and Thawed Conditions using Large Direct Shear Box", Civil and Environmental Engineering, University of Manitoba, Dr. Marolo Alfaro

2^e prix Guillermo Alexander Riveros, "Static Liquefaction Triggering Analysis of the Fundao Dam Contrasting the Behaviour of Iron and Gold Mine Tailings", Civil and Environmental Engineering, The University of Western Ontario, Dr. Abouzar Sadrekarimi

Prix pour le rapport des étudiants du premier cycle (groupe)

- 1^{er} prix** Erik Cernik, Lea Johnston, Takako Miyoshi, Eric Zhou, "Feasibility Geotechnical Evaluation: Slope Design Criteria for the Phase III Bafour Open Pit Project", Earth, Ocean & Atmospheric Sciences, University of British Columbia (Vancouver), Susan W. Hollingshead
- 2^e prix** Cormac Foster, Kristyn Fanstone, Chenyang Zhao, Tanishq Verma, "Evaluation of the Proposed Geothermal-Cold System Design for Prevention of Permafrost Thawing Beneath Structures in Northern Climates", Biosystems Engineering, University of Manitoba, Dr. Kris Dick

Bourse aux études graduées Michael Bozozuk de la Fondation canadienne de géotechnique

Jordan Aaron, University of British Columbia

Prix A.G. Stermac

Andrea Loughheed, BGC Engineering Inc.
Mustapha Zergoun, Thurber Engineering Ltd.
Alex Baumgard, BGC Engineering Inc.

Allocution R.M. Hardy**Colloquium canadien de géotechnique****Tournée de conférences pancanadiennes**

Richard Bathurst, GeoEngineering Centre at Queen's-RMC

Michael Hendry, University of Alberta

Dr. Vaughan Griffiths (printemps 2017), Dr. Jean-Marie Konrad (automne 2017)

PRIX ET DISTINCTIONS DE L'INSTITUT CANADIEN DES INGÉNIEURS (ICI)

Julian C. Smith Medal

K.Y. Lo Medal

Canadian Pacific Railway Medal

Michel Aubertin, Polytechnique Montréal

Bryan Watts, Klohn Crippen Berger

D. Jean Hutchinson, Université Queen's

Fellow de L'ICI

Fellow de L'ICI

Fellow de L'ICI

Fellow de L'ICI

Fellow de L'ICI

Bruno Bussière, Université du Québec en Abitibi-Témiscamingue

Richard Chalaturnyk, University of Alberta

Paul Dittrich, Golder Associates

Jocelyn Grozic, University of Calgary

Catherine Mulligan, Université Concordia

AUTRE DISTINCTION CANADIENNE

Fellow of the Royal Society of Canada

Richard Bathurst, GeoEngineering Centre at Queen's-RMC



**CANADIAN GEOTECHNICAL SOCIETY
SOCIÉTÉ CANADIENNE DE GÉOTECHNIQUE
BOARD OF DIRECTORS / CONSEIL D'ADMINISTRATION**

**2017 BOARD OF DIRECTORS, COMMITTEE CHAIRS, OTHER POSITIONS AND NATIONAL OFFICE
MEMBRES DU CONSEIL D'ADMINISTRATION ET DU PERSONNEL DU BUREAU NATIONAL, PRÉSIDENTS DES
COMITÉS ET PERSONNES OCCUPANT D'AUTRES POSTES EN 2017**

Terms end December 31 in the year shown, unless otherwise indicated.

Les mandats se terminent le 31 décembre de l'année indiquée.

Executive Committee / Comité exécutif

President / Président

2018

Dharma Wijewickreme, P.Eng.

Dept. of Civil Engineering
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Technical Division Representative

2017

Représentant des divisions techniques

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Vice President Technical

2018

Vice-président technique

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2018

Vice-président aux finances

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Division Chairs

Présidents des divisions

Cold Regions Geotechnology

2019

Géotechnologie des régions froides

Jack Seto, P.Eng.

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Vice President Communications & Member

2018

Services / Vice-président Communications et services aux membres

Jean Côté, ing.

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Engineering Geology

2018

Géologie de l'ingénieur

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Royal Military College of Canada
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vlachopoulos-n@rmc.ca

Young Professional Representative

2017

Représentante des jeunes professionnels

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Geoenvironmental Géologie de l'environnement Craig Lake, P.Eng. Dept. of Civil Engineering Dalhousie University 1360 Barrington St Halifax NS B3J 1Z1 Tel: 902 494 3220 craig.lake@dal.ca	2017	Vancouver Geotechnical Society Andrea Loughheed, M.Sc.(Eng.), P.Eng. BGC Engineering Inc. 500 - 980 Howe St Vancouver BC V6Z 0C8 Tel: 604 684 5900 aloughheed@bgcengineering.ca	2019
Geosynthetics Géosynthétiques Richard Brachman, P.Eng. Dept. of Civil Engineering Queen's University Kingston ON K7L 3N6 Tel: 613 533 3096 brachman@queensu.ca	2017	Prince George Geotechnical Group Warren Lemky, P.Eng. Geotechnical & Materials Engineering Ministry of Transportation & Infrastructure Suite 213, 1011 4th Ave. Prince George BC V2L 3H9 Tel: 250 565 6162 warren.lemky@gov.bc.ca	2019
Rock Mechanics Mécanique des roches Sam Proskin, P.Eng. Thurber Engineering Ltd. 180, 7330 Fisher Street SE Calgary AB T2H 2H8 Tel: 403 253 9217x134 sproskin@thurber.ca	2017	Interior BC Section Sumi Siddiqua, P.Eng. School of Engineering University of British Columbia, Okanagan Campus 1137 Alumni Ave Kelowna BC V1V 1V7 Tel: 250 807 9863 sumi.siddiqua@ubc.ca	2017
Soil Mechanics and Foundations Mécanique des sols et des fondations Alex Baumgard, P.Eng./P.Geo. BGC Engineering Inc. 500 - 980 Howe St Vancouver BC V6Z 0C8 Tel: 604 684 5900 abaumgard@bgcengineering.ca	2017	Calgary Geotechnical Society Scott McKean, P.Eng. M.Sc. Candidate Department of Civil Engineering University of Calgary Calgary AB T2N 1N4 Tel: 403 519 0563 scott.mckean@ucalgary.ca	2017
Groundwater Eaux souterraines Frank Magdich, P.Eng. Oak Environmental Inc. 103, 4712 - 13th Street NE Calgary AB T2E 6P1 Tel: 403 250 9810 frank@oakenviro.com	2017	Geotechnical Society of Edmonton Seán Mac Eoin, P.Eng. AECOM 18817 Stony Plain Road NW Edmonton AB T5S 0C2 Tel: 780 930 0032 sean.maceoin@aecom.com	2017
Section Directors Directeurs des sections		Saskatoon Geotechnical Group David Elwood, P.Eng. College of Civil and Geological Engineering University of Saskatchewan Room 3B56, 57 Campus Dr. Saskatoon SK S7N 5A9 Tel: 306 966 3246 david.elwood@usask.ca	2019
Vancouver Island Geotechnical Group Chris Weech, P.Eng. Thurber Engineering Ltd. 100-4396 West Saanich Rd. Victoria BC V8Z 3E9 Tel: 250 727 2201 cweech@thurber.ca	2018	Regina Geotechnical Group Jasyn Henry, P.Eng. Water Security Agency #101 111 Fairford Street East Moose Jaw, SK S6H 7X9 Tel: 306 694 3978 Jasyn.Henry@wsask.ca	2019

<i>Manitoba Section</i> Alena James, P.Eng. Manitoba Infrastructure 2nd Floor, 280 Broadway Winnipeg MB R3C 0R8 Tel: 204 391 4265 alena.james@gov.mb.ca	2019	<i>Section régionale Ouest-du-Québec</i> Yannic Ethier, ing. École de technologie supérieure 1100, rue Notre-Dame Ouest Montréal QC H3C 1K3 Tel : 514 396 8460 yannic.ethier@etsmtl.ca	2017
<i>Thunder Bay Section</i> Wesley Saunders, P. Eng DST Consulting Engineers Inc. 605 Hewitson Street Thunder Bay ON P7B 5V5 Tel: 807-623-2929 wsaunders@dstgroup.com	2018	<i>Section régionale Est-du-Québec</i> Ariane Locat, ing. jr Dép. de génie civil et de génie des eaux Université Laval 1065 av. de la Médecine Québec QC G1V 0A6 Tél : 418 656 2992 ariane.locat@gci.ulaval.ca	2018
<i>Sudbury Section</i> André Bom, P. Eng. Golder Associates Ltd. 33 Mackenzie Street, Suite 100, Sudbury ON P3C 4Y1 Tel: 705 524 6861 x2245 Andre_Bom@golder.com	2018	<i>New Brunswick Section</i> Benjamin McGuigan, P.Eng. GEMTEC Limited 191 Doak Rd Fredericton NB E3C 2E6 Tel: 506 453 1025 benjamin.mcguigan@gemtec.ca	2017
<i>London Section</i> Andrew Stewart, EIT Englobe (Formerly LVM, a division of EnGlobe Corp) 60 Meg Drive, Suite 12 London ON N6E 3T6 Tel : 519 685 6400 andrew.stewart@englobecorp.com	2017	<i>Nova Scotia Section</i> Sheri Burton, P.Eng. Golder Associates Ltd. Suite 25-26, 201 Brownlow Avenue Dartmouth NS B3B 1W2 Sheri_Burton@golder.com	2019
<i>Southern Ontario Section</i> Andrew Drevininkas, P.Eng. Toronto Transit Commission 1138 Bathurst St Toronto ON M5R 3H2 Tel: 416 393 4681 andrew.drevininkas@ttc.ca	2017	<i>St. John's Section</i> Rajib Dey, Ph.D. Geotechnical Engineer Stantec 141 Kelsey Drive St. John's NL A1B 0L2 Tel: 709 576 1458 Rajib.Dey@stantec.com	2019
<i>Kingston Section</i> Dylan Hill, P.Eng. SNC-Lavalin 1164 Clyde Court Kingston ON K7P 2E4 Tel: 613 389 1781 Dylan.Hill@snclavalin.com	2018	Ex Officio Members Membres d'office	
<i>Ottawa Geotechnical Group</i> Mohammad T. Rayhani, P.Eng. Civil & Environmental Engineering Carleton University, Minto 2035 Ottawa ON K1S 5B6 Tel: 613 520 2600 X 8890 MohammadRayhani@cunet.carleton.ca	2018	<i>Past President, Ancien président</i> Doug VanDine, P.Eng., P.Geo. VanDine Geological Engineering Ltd. 267 Wildwood Avenue Victoria BC V8S 3W2 Tel: 250 598 1028 vandine@islandnet.com	2017

Geotechnical Research Board 2019
Président, Conseil de la recherche en géotechnique
Bruno Bussiere, ing.
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Editor Canadian Geotechnical Journal
Le directeur de la rédaction de la Revue canadienne de géotechnique
From April 1st, 2007 / Depuis le 1er avril 2007
Ian Moore, P.Eng.
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Editor, CGS News in Geotechnical News 2019
Le directeur de la rédaction des Nouvelles de la SCG dans Geotechnical News
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Representative of CSCE on CGS Board June 2018
Représentant de la SCGC sur le Conseil de la SCG
Susan Tighe, P.Eng.
president@csce.ca

<p>END OF DIRECTORS LIST FIN DE LA LISTE DES ADMINISTRATEURS</p>

CHAIRS OF TECHNICAL COMMITTEES
PRÉSIDENTS COMITÉS TECHNIQUES

Education Committee 2019
Comité sur l'éducation
Tareq Salloum, P.Eng.
 ONTARIO POWER GENERATION Inc.
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Geohazards Committee 2019
Comité sur les géorisques
Dave Gauthier, P.Eng.
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Heritage Committee 2019
Comité sur le patrimoine
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Mining Geotechnique Committee 2017
Comité technique sur la géotechnique minière
Paul Simms, P.Eng.
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 Ottawa ON K1S 5B6
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Professional Practice Committee 2019
Comité sur la pratique professionnelle
James Blatz, P. Eng.
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Sustainable Geotechnics Committee 2017
Comité sur la géotechnique durable
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 Dept. of Civil Engineering
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Transportation Geotechnique Committee 2018
Comité sur la géotechnique des transports
Mario Ruel, P.Eng.
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 Taschereau Yard, M Tour, 1st Floor
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Mario.ruel@cn.ca

**CGS National Office /
Bureau national de la SCG**

Executive Director / Directeur général

Michel Aubertin, ing.

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ExecDir@cgs.ca ; DirGen@cgs.ca

Administrator / Administrateur

Gibson Group Management Inc.

Wayne Gibson, P.Eng.

Director, Administration and Finance /

Directeur, Administration et finances

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Lisa McJunkin

Director, Communications and Member Services /

Directrice, Communications et services aux membres

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**REPRESENTATIVES ON OTHER
ORGANIZATIONS / REPRÉSENTANTS
AUPRÈS D'AUTRES ORGANISATIONS**

Representative to EIC Council

Représentant sur le Conseil de l'ICI

(CGS President /Président de la SCG)

Dharma Wijewickreme, P.Eng.

Dept. of Civil Engineering
University of British Columbia

6250 Applied Science Lane

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Representative to CFES Council

Représentant sur le Conseil de la FCST

Nicholas Vlachopoulos, P.Eng.

Civil Engineering Dept.

Royal Military College of Canada

Kingston ON K7K 7B4

Tel: 613 541 6000 Ext 6398

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Representative to CSCE Board

Représentante sur le Conseil de la SCGC

Catherine Mulligan, ing.

Dept. of Building, Civil and Environmental Engineering

Concordia University

1455 de Maisonneuve Blvd W, Ev 6-187

Montréal QC H3G 1M8

Tel: 514 848 2424 Ext 4212

catherine.mulligan@concordia.ca

President's Annual Report – Dharma Wijewickreme
July 1, 2016 to June 30, 2017

It is with pleasure I write my first annual report as the President of the Canadian Geotechnical Society (CGS). The report comprises a Preamble, and summary of the CGS activities between July 01, 2016 and December 31, 2016 (i.e., tasks completed under the previous President Doug VanDine's administration) and between January 01, 2017 and June 30, 2017 (i.e., activities for the period since I assumed duties as CGS President).

Preamble

Let me start by stating that our Society continues to show excellent membership and organizational strength as well as solid financial health, with a range of new initiatives underway or planned. The CGS' strength is due to the extensive volunteering by our members serving as Section Directors, Division Chairs, Committee Chairs and Chair of the Geotechnical Research Board, with their respective executives and participating members.

I would like to congratulate the previous Executive Committee led by the Immediate Past-President, Doug VanDine and his team for their numerous accomplishments in 2015 and 2016 (some of which are recalled below). I also must take the opportunity to thank the members of the Executive Committee (EC): **Suzanne Powell**, VP Technical; **Kent Bannister**, VP Finance; **Jean Côté**, VP Communications and Member Services; **Richard Brachman**, Technical Division Representative; **Seán Mac Eoin**, Section Representative; and **Ariane Locat**, Young Professionals Representative; and also the CGS National Office team: **Michel Aubertin**, Executive Director; **Wayne Gibson**, Director, Administration and Finance; and **Lisa McJunkin**, Director, Communications and Member Services, for their amazing dedication and extensive contributions to the Society.

An overview of the numerous CGS activities completed within the year beginning July 01, 2016 is given below. It is important to note that the content given below is not exhaustive; other accomplishments here are also included in the reports from the three Vice Presidents. As you may note, the Society continues to be busy with a wide range of activities - e.g., annual CGS conference, local sections involvement, Cross Canada Lecture Tours, addressing technical issues through our Divisions and Committees, preparation of the CFEM Errata and next version, linkage with the Canadian Geotechnical Journal and affiliated organizations, recognition of our members through awards, etc.

With the momentum from these activities, we have also started working (or will work) towards a number of additional new initiatives through the portfolios of our EC and Board members. Our focus areas include: member engagement and involvement (including young professionals), new approaches for general communications/dissemination of technical matter and related topics, enhancement of member experience, and improved relationships with Local Sections.

CGS Activities - July 1 to December 31, 2016 (as per information available from past President):

- The 69th CGS Annual Conference (GeoVancouver 2016) was successfully held in early October, with more than 800 delegates on location. For the first time, two Best CGS Conference Paper Awards were presented: one for the 'best case history' and one for the 'best paper with a student as the lead author'; thanks are due to the co-Chairs, Mustapha Zergoun and Andrea Loughheed and their Local Organizing Committee (LOC).
- The 5th Canadian Young Geotechnical Engineers and Geoscientists Conference (cYGEgc) was held in September in Whistler, BC; thanks go to the co-Chairs, Julian McGreevy and Maraika De Groot and their Organizing Committee.
- The CGS continues to non-financially support conferences organized by other organizations. Angela Küpper and Alex Baumgard coordinated the soliciting, review, and collection of papers from CGS members for the 19th International Conference on Soil Mechanics and Geotechnical Engineering (ICSMGE), in Seoul, Korea.
- The CGS's fall 2016 Cross Canada Lecture Tour (CCLT) was presented at 12 locations in October by Ross Boulanger (University of California, Davis).

- The CGS nominated members for various 2017 Engineering Institute of Canada (EIC) medals and fellowships.
- 4th Edition Canadian Foundation Engineering Manual (2006): a Technical Advisory Committee (Chair: Dennis Becker) and Publication Advisory Committee (Chair: Suzanne Powell) was formed.
- CGS News edited by Don Lewycky continued to be published in Geotechnical News (GN).
- The CGS social media sites, Facebook, LinkedIn and the latest CGS News on the CGS website increased their audiences; for instance, the CGS LinkedIn now has now more than 670 followers;
- The relationship with the Canadian Geotechnical Journal remained strong with many CGS members involved in the roles of Editors (Ian Moore, Daichao Sheng), Associate Editors, and Reviewers;
- Annual Board of Directors (BOD) meeting and the Annual Business Meeting was held during the GeoVancouver 2016 conference. At the BOD meeting, proposed changes to the CGS Awards and Honours Manual were accepted, the name “Vice President Communications” was changed to “Vice President Communications and Member Services”.
- Membership fees were kept unchanged for 2017.
- Some local sections (including the NB Section) are investigating the potential to collaborate with the local section of the Canadian Society for Civil Engineers (CSCE) to organize local events.
- With a great deal of effort by many members of the Executive Committee and the National Office, the re-designed CGS website was ‘soft launched’ in December.
- A 3-year services agreement was signed between the CGS and Gibson Group Management Inc. who will continue providing administrative and support services;
- Affiliation agreements were signed between the CGS and the Tunneling Association of Canada and between the CGS and the Canadian Dam Association;
- The CGS continues to have very good relationships with its affiliates, including the EIC, the CSCE and the Canadian Foundation for Geotechnique (CFG); the latter has increased financial support of CGS activities for 2017.
- The 2016 CGS membership was approximately 1460 (1388 in 2015 and 1490 in 2014).
- Financial Advisory Task Force: The task force was proposed by Dharma Wijewickreme (VP Finance 2015-2016), developed and implemented by Kent Bannister (VP Finance 2017-2018).

CGS Activities – January 01 to June 30, 2017:

- Planning continues for the GeoOttawa 2017: 70th CGS Annual Conference and 12th Joint CGS/IAH-CNC Groundwater Conference (Chair: Mamadou Fall). The conference has accepted over 400 papers. With 75 booths at the trade show and over 20 confirmed sponsors, it is anticipated to be a very successful event. A luncheon presentation along with posters highlighting the past CGS Geotechnical Achievements is included in the conference (led by Doug VanDine).
- Upcoming conferences: 71st CGS Annual Conference (GeoEdmonton, Alberta, September 2018; Co-Chairs: Don Lewycky and Seán Mac Eoin); and CGS GeoHazards 7 (Canmore, Alberta, June 2018; Chair: Mike Porter); 72nd CGS Annual Conference will be hosted by the CGS Newfoundland and Labrador (St John’s) Section and an MOU has been signed with the LOC (Chair: Rodney McAfee).
- Discussions are underway with organizations in the USA to organize joint conferences in the coming years.
- CGS Conference Manual has been revised, and the document should be finalized by the end of 2017; the CGS Administration and Operations Manuals will then be reviewed.
- Eight CGS members were among the recipients of EIC’s 2017 EIC Medals and Fellowships: Michel Aubertin, Julian C. Smith Medal; Bryan Watts, K.Y. Lo Medal; Jean Hutchinson, Canadian Pacific Railway Medal; 2017 EIC Fellowships: Bruno Bussière, Richard Chalaturnyk, Paul Dittrich, Jocelyn Grozic, and Catherine Mulligan.
- 4th Edition Canadian Foundation Engineering Manual (2006): New arrangements are underway for the completion of the Errata of CFEM by the end of 2017. Alternative options are also considered for the next version of the Manual.

- CCLT: Dr. Vaughan Griffiths of the Colorado School of Mines started his 11-city CCLT in Winnipeg on April 10 and completed the tour in Ottawa on April 21. This was the 99th CCLT. Jean-Marie Konrad is scheduled for the fall of 2017, making it the 100th CCLT.
- Michael Hendry will present the 2017 CGS Colloquium during GeoOttawa 2017. Greg Siemens and Jasmin Raymond presented their Colloquium Lecture Series (the presentations by Jasmin Raymond is still ongoing and expected to be completed this fall).
- 2017 19th ICSMGE, Seoul, Korea: CGS submitted 18 papers on behalf of our Canadian members. During the ICSMGE, CGS member, Tim Newson, will assume the position of Vice President North America for the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE) for 2017-2021. He will represent CGS at the council meeting, where the next President will be elected and venue chosen for the 2021 ICSMGE.
- 2017 6th International Young Geotechnical Engineers' Conference (iYGEC6), Seoul, Korea: Eleven (11) CGS members submitted abstracts (CGS Technical Committee Chair: Ariane Locat). The CGS & CFG are co-sponsoring 2 CGS members, Andrea Loughheed and Jeffrey Oke, to attend the iYGEC6.
- CGS News were published in Geotechnical News (edited by Don Lewycky); a 3-year services agreement between the CGS and GN Publishers (BiTech) was signed - so that CGS members will continue to receive printed/electronic copies of GN;
- Implementation of a new file saving and sharing system and further enhancements to the CGS website is underway.

Dharma Wijewickreme, President 2016-2017

Rapport annuel du président – Dharma Wijewickreme
Activités du 1^{er} juillet 2016 au 30 juin 2017

C'est avec plaisir que je rédige mon premier rapport annuel à titre de président de la Société canadienne de géotechnique (SCG). Le rapport comprend un préambule et un résumé des activités de la SCG réalisées entre le 1^{er} juillet et le 31 décembre 2016 (c.-à-d., les tâches accomplies sous la direction de l'ancien président Doug VanDine) et entre le 1^{er} janvier et le 30 juin 2017 (c.-à-d., les activités qui se sont déroulées depuis que j'assume les fonctions de président de la SCG).

Préambule

Permettez-moi tout d'abord de vous dire que notre Société continue de bénéficier de la qualité de ses membres et d'une grande force organisationnelle, ainsi que d'une solide santé financière, avec toute une gamme de nouvelles initiatives prévues ou en cours. La force de SCG réside dans la forte participation bénévole de ses membres agissant à titre de directeurs de section, de division et de comité, ainsi que du président du Conseil de recherche en géotechnique, en plus des contributions des membres de ces organisations et de leur Comité exécutif.

J'aimerais féliciter l'ancien Comité exécutif dirigé par le président sortant, Doug VanDine, et son équipe pour leurs nombreuses réalisations en 2015 et en 2016 (dont certaines sont évoquées ci-dessous). Je profite également de l'occasion pour remercier les membres du Comité exécutif (CE) : **Suzanne Powell**, v.-p. technique; **Kent Bannister**, v.-p. aux finances; **Jean Côté**, v.-p. aux communications et aux services aux membres; **Richard Brachman**, représentant des divisions techniques; **Seán Mac Eoin**, représentant des sections; et **Ariane Locat**, représentante des jeunes professionnels; merci aussi à l'équipe du Bureau national de la SCG : **Michel Aubertin**, directeur général; **Wayne Gibson**, directeur, Administration et finances; et **Lisa McJunkin**, directrice, Communications et services aux membres, pour leur dévouement exceptionnel et leurs contributions considérables à la Société.

Vous trouverez un aperçu des nombreuses activités de la SCG réalisées au cours de l'année débutant le 1^{er} juillet 2016 ci-dessous. Il est important de noter que ce contenu n'est pas exhaustif; d'autres réalisations figurent également dans les rapports des trois vice-présidents. Comme vous pouvez le constater, la Société continue d'être impliquée dans un large éventail d'activités; p. ex., la conférence annuelle de la SCG, la participation dans les sections locales, les Tournées de conférences transcanadiennes, la résolution de problèmes techniques par l'entremise de nos divisions et comités, la préparation de l'erratum du *MCIF* et de sa prochaine version, les relations avec la *Revue canadienne de géotechnique* et des organisations affiliées, la remise de prix à des membres méritants, etc.

Grâce à l'élan donné par ces activités, nous avons également commencé à travailler (ou nous travaillerons) à un certain nombre de nouvelles initiatives par l'entremise des dossiers menés par des membres de notre CE et de notre Conseil d'administration (CA). Les domaines sur lesquels nous nous concentrons comprennent l'engagement et la participation des membres (y compris les jeunes professionnels), les nouvelles approches pour la communication/diffusion relative aux questions techniques et sujets connexes, l'amélioration de l'expérience des membres et des relations avec les sections locales.

Activités de la SCG – 1^{er} juillet au 31 décembre 2016 (selon l'information transmise par l'ancien président) :

- La 69^e conférence annuelle de la SCG (GéoVancouver 2016) s'est déroulée avec succès au début d'octobre, et plus de 800 délégués y ont assisté. Pour la première fois, deux Prix pour le meilleur article de la conférence de la SCG ont été décernés : l'un pour la « meilleure étude de cas » et l'autre pour le « meilleur article dont l'auteur principal est un étudiant »; merci aux coprésidents, Mustapha Zergoun et Andrea Loughheed, ainsi qu'à leur comité organisateur local (COL).
- La 5^e conférence canadienne des jeunes géotechniciens et géoscientifiques (cYGEGC) a eu lieu en septembre à Whistler, en C.-B.; merci aux coprésidents, Julian McGreevy et Maraika De Groot, ainsi qu'à leur comité organisateur.
- La SCG continue à soutenir de manière non financière des conférences organisées par d'autres organisations. Angela Küpper et Alex Baumgard ont coordonné la sollicitation, la révision et la collecte d'articles de membres de la SCG pour la 19th International Conference on Soil Mechanics and Geotechnical Engineering (ICSMGE), à Séoul, en Corée.
- Ross Boulanger (de l'Université de la Californie, à Davis) a présenté la Tournée de conférences transcanadienne de l'automne (en octobre 2016) de la SCG dans 12 villes.
- La SCG a mis en nomination plusieurs de ses membres pour différentes médailles et des titres de Fellow de l'Institut canadien des ingénieurs (ICI).
- Un comité consultatif technique (directeur : Dennis Becker) et un comité consultatif sur la publication (directrice : Suzanne Powell) ont été formés pour la prochaine édition du *Manuel canadien d'ingénierie des fondations*.
- La section *CGS News*, rédigée par Don Lewycky, a continué à être publiée dans *Geotechnical News* (GN).
- La consultation des pages de la SCG sur les médias sociaux – Facebook, LinkedIn et la nouvelle section Dernières nouvelles de la SCG sur son site Web – a augmentée; par exemple, la page LinkedIn de la SCG compte maintenant plus de 670 abonnés.
- La relation avec la *Revue canadienne de géotechnique* est restée solide, et de nombreux membres de la SCG y participent à titre de rédacteurs (Ian Moore, Daichao Sheng, Craig Lake), de rédacteurs adjoints et de réviseurs.
- La réunion annuelle du CA et l'assemblée annuelle ont eu lieu durant la conférence GéoVancouver 2016. Lors de la réunion du CA, les changements proposés au Manuel sur les prix et distinctions de la SCG ont été acceptés, le titre de « vice-président aux communications » a été changé pour « vice-président aux communications et services aux membres ».
- Les cotisations des membres sont restées inchangées pour 2017.
- Certaines sections locales (y compris la section du N.-B.) étudient la possibilité de collaborer avec la section locale de la Société canadienne du génie civil (SCGC) pour organiser des événements locaux.

- Grâce aux efforts considérables de nombreux membres du CE et du Bureau national, le nouveau site Web de la SCG a été mis en ligne en décembre.
- Une entente de services de trois ans a été conclue entre la SCG et Gibson Group Management Inc., qui continuera à fournir des services administratifs et de soutien.
- Des ententes d'affiliation ont été conclues entre la SCG et l'Association canadienne des tunnels ainsi qu'entre la SCG et l'Association canadienne des barrages.
- La SCG continue d'entretenir de très bonnes relations avec ses sociétés affiliées, y compris l'ICI, la SCGC et la Fondation canadienne de géotechnique (FCG); cette dernière a augmenté son soutien financier aux activités de la SCG pour 2017.
- En 2016, la SCG comptait environ 1 460 membres (1 388 en 2015 et 1 490 en 2014).
- Le Groupe de travail consultatif sur les finances a été proposé par Dharma Wijewickreme (v.-p. aux finances 2015-2016) et a été créé et mis sur pied par Kent Bannister (v.-p. aux finances 2017-2018).

Activités de la SCG – 1^{er} janvier au 30 juin 2017 :

- La planification de la conférence GéoOttawa 2017 s'est poursuivie : la 70^e conférence annuelle de la SCG et la 12^e conférence conjointe SCG/AIH-SNC sur les eaux souterraines (président : Mamadou Fall). La conférence a accepté plus de 400 articles. Avec un salon professionnel comptant 75 kiosques et plus de 20 commanditaires confirmés, cet événement devrait connaître un grand succès. Une présentation aura lieu durant la conférence, accompagnée d'affiches, afin de souligner les réalisations géotechniques marquantes (projet mené par Doug VanDine).
- Prochaines conférences : la 71^e conférence annuelle de la SCG (GéoEdmonton, Alberta, septembre 2018; coprésidents : Don Lewycky et Seán Mac Eoin); et Géorisques 7 (Canmore, Alberta, juin 2018; président : Mike Porter). La 72^e conférence annuelle de la SCG sera organisée par la section de Terre-Neuve-et-Labrador (St John's) et un protocole d'entente a été conclu avec le COL (président : Rodney McAfee).
- Des discussions sont en cours avec des organisations américaines pour organiser des conférences conjointes dans les années à venir.
- Le Manuel de conférence de la SCG a été révisé et devrait être finalisé d'ici la fin de 2017; les manuels administratif et d'opération de la SCG seront ensuite révisés.
- Huit membres de la SCG comptent au nombre des récipiendaires des médailles et des titres de Fellow 2017 de l'ICI : Michel Aubertin, Médaille Julian C. Smith; Bryan Watts, Médaille K.Y. Lo; Jean Hutchinson, Médaille du chemin de fer Canadien Pacifique; titres de Fellow : Bruno Bussière, Richard Chalaturnyk, Paul Ditttrich, Jocelyn Grozic et Catherine Mulligan.
- 4^e édition du *Manuel canadien d'ingénierie des fondations* (2006) : de nouvelles dispositions ont été prises pour terminer l'erratum du MCIF d'ici la fin de 2017. Diverses options sont considérées pour la prochaine version du *Manuel*.
- TCT : Le Dr Vaughan Griffiths de la Colorado School of Mines a entamé sa TCT de 11 villes à Winnipeg, le 10 avril et l'a terminée à Ottawa, le 21 avril. Il s'agissait de la 99^e TCT. Jean-Marie Konrad sera le conférencier de la 100^e TCT à l'automne 2017.
- Michael Hendry présentera le Colloquium 2017 de la SCG durant la conférence GéoOttawa 2017. Greg Siemens et Jasmin Raymond ont présenté la série de conférences du Colloquium.
- 19th ICSMGE 2017, Séoul, Corée : la SCG a soumis 18 articles au nom de ses membres. Tim Newson, membre de la SCG, est entré en fonction à titre de vice-président pour l'Amérique du Nord de la Société internationale de mécanique des sols et de la géotechnique (SIMSG) pour 2017-2021. Il a représenté la SCG à la réunion du Conseil, au cours de laquelle le président de la SIMSG pour 2017-2021 a été élu et le lieu de l'ICSMGE 2021 a été choisi.
- 6th International Young Geotechnical Engineers' Conference (iYGEC6) 2017, Séoul, Corée : 11 membres de la SCG ont soumis des résumés (présidente du comité technique de la SCG : Ariane Locat). La SCG et la FCG ont co-commandité deux membres de la SCG, Andrea Loughheed et Jeffrey Oke, pour qu'ils assistent à l'iYGEC6.

- Des numéros de *CGS News* ont été publiés dans *Geotechnical News* (rédigés par Don Lewycky). Une entente de service a été conclue entre la SCG et les éditeurs de *GN* (BiTech) pour que les membres de la SCG continuent à recevoir des copies imprimées/électroniques de cette publication.
- La mise en œuvre d'un nouveau système d'enregistrement et de transmission de fichiers ainsi que d'autres améliorations au site Web de la SCG sont en cours.

Dharma Wijewickreme, président 2016-2017

Vice-President Technical Annual Report – J. Suzanne Powell
July 1, 2016 to June 30, 2017

CGS Sponsored, Co-Sponsored and Supported Conferences

- The 69th Annual Canadian Geotechnical Conference (CGC), GeoVancouver 2016 was held October 2-5, 2016. The conference was very well attended with 759 delegates and 68 exhibitors.
- Plans are well underway for the 70th Annual Canadian Geotechnical Conference (GeoOttawa 2017) to be held from October 1-4, 2017. A special GeoContractor forum entitled "Designer and Contractor Interface in Geotechnical Construction" will be held in Ottawa. Keynote speakers have been confirmed: Dr Richard Bathurst (R. M. Hardy Lecture), Dr. Kamini Singha (Darcy Lecture), Dr. Greg Brooks (CGS Lecture), Dr. Mark Jensen (Hydrogeology Lecture) and Dr. Michael Hendry (CGS colloquium).
- GeoEdmonton 2018 will be held from September 23-26, 2018 at the Shaw Centre. The Gibson Group has been selected as the conference manager.
- Geo St John's 2019 has confirmed the St. John's Convention Centre as the conference venue. The Gibson Group has also been selected as the conference manager. The MOU between CGS National and the LOC was signed in June 2017.
- The 5th cYGEHC was held in Whistler BC from September 29 to October 1, 2016 prior to GeoVancouver. It was attended by 53 young engineers and geoscientists from across Canada, the United States, and from England and Hong Kong. Conference delegates represented both academia and industry. The two-day conference included 32 oral presentations, 20 poster presentations, and five keynote addresses.
- GeoHazards 7 is to be held in Canmore, AB from June 3-6, 2018 at the Coast Canmore Hotel & Conference Centre in Canmore, Alberta. A MOU with CGS National had been signed and the Gibson Group has been retained as the conference manager.
- The 19th International Conference in Soil Mechanics and Geotechnical Engineering will be held in Seoul, Korea from September 17-22, 2017. Canada submitted 22 abstracts and had all of them accepted. The CGS will be represented by Tim Newson (VP NA ISSMGE)
- The iYGEHC6 Seoul Korea will be held prior to the 19th ICSMGE from September 16-17, 2017. The two CGS representatives selected to attend the conference are Andrea Loughheed (BGC) and Jeffrey Oke (Mine Design Engineering).

Cross Canada Lecture Tour (CCLT)

The CCLT continues to be a very successful program with the tour stops being highly sought after by the local sections. The CCLT has become internationally known and respected. The Fall 2016 CCLT speaker was Dr. Ross Boulanger, from University of California Davis. Dr. Boulanger visited 12 sections during his CCLT. The Spring 2017 CCLT speaker was Dr. Vaughan Griffiths, from the Colorado School of Mines. Dr. Griffiths gave 11 talks in 9 days. The St. Johns and Montreal talks were broadcast live and was very successful and attracted a lot of interest from the smaller sections. The Fall 2018 CCLT (100th CCLT) will Jean Marie Konrad from the University of Laval. Discussions are underway within the CGS Executive Committee on how best to mark and celebrate this milestone. The Spring 2018 speaker will be Tom O'

Rourke. Selection of the Fall 2018 speaker is underway. The travel for these tours is funded by the Canadian Foundation for Geotechnique and the generous support of the industry.

Canadian Geotechnical Research Board (GRB)

The GRB chaired by Bruno Bussiere continues to promote research within the geotechnical community. The CGS Colloquium speaker for GeoVancouver 2016 was Jasmin Raymond. The 2017 Colloquium speaker will be Michael Hendry. The 2018 Colloquium will be selected by the GRB and will be announced at GeoOttawa 2017.

Canadian Foundation Engineering Manual (CFEM)

The agreement was signed with Richard Bathurst (Editor) on Oct 31, 2016 and sets out deliverables and dates, that include 4th Editions Errata by Dec 31, 2016; Sept 30, 2017 for both English and French versions of chapters of the Online Edition requiring minor revisions from the 4th Edition; and Sept 30, 2018 for both English and French versions of the Online Edition, with new chapters and chapters requiring substantial updating from the 4th Edition. A Publication Advisory Committee was also formed in December 2016 on the recommendation of the Technical Advisory Committee to examine the mechanism for delivery of the new manual.

In early 2017 Richard Bathurst had to step down as Editor of the project. All files were transferred to the CGS National Office and the CGS Executive Committee began discussions of how best to proceed. Two options for moving forward are being considered: 1. Continue with current model and try to find a new editor to continue with this project or 2. Look at alternative models for producing the manual (RFP Tender process). A search for new editor is currently underway.

Canadian Geotechnical Journal (CGJ)

The CGJ continues to excel under the guidance of Editors Dr. Ian Moore, Dr. Daichao Sheng and Craig Lake and 34 Associate Editors. In addition, 32 editorial board members act as reviewers, rather than associate editors. The journal received 701 manuscripts in 2016. In 2016 Canadian Science Press increased the page allotment to 2200 to eliminate the significant backlog of papers to be published that developed by the end of 2014. The page allotment for 2017 is 1800 pages. The Thomson Reuters' impact factor is currently 2.138.

CGS Standing Committees

There are currently seven standing technical committees.

- The Education Committee chaired by Tareq Salloum continues to do a great job running the CGS Undergraduate and Graduate Student Competitions and administering the Michael Bozozuk Canadian Foundation for Geotechnique National Graduate Scholarship. Our appreciation is extended to the members of the selection committees for these programs. The committee has also successfully supported the organization of the 5th Canadian Young Geotechnical Engineers and Geoscientists Conference (5th cYGEGC) in Whistler, BC. The Education Committee continues to support GOpard and social events for the young geotechnical professionals during the annual CGS Conferences.
- The Heritage Committee, chaired by Heinrich Heinz continues to be quite active and are continually adding to the webpage. The committee recently supported Past-President Doug VanDine with updates to the Canadian Geotechnical Virtual Archives (the Archives) including preparing the document "The Canadian Geotechnical Society – A Brief Historical Perspective to 2016". The committee was involved with arranging the Heritage Luncheon Keynote, given by Jacques Locat at GeoVancouver. The committee will be assisting Doug VanDine with the CGS Geotechnical Achievements Project once submissions have been received (end of March 2017). A brief history of the CFEM initiative was being led by Doug VanDine and scheduled to be completed in the summer of 2017.
- The Geohazards Committee is chaired by Dave Gauthier. Geohazard Committee members participated in the review of technical papers for the 2016 CGS conference in Vancouver. The committee is supporting and assisting to organize the GeoHazards 7 Conference to be held in June 2018 at Canmore, AB. The Chair of the

Geohazard Committee, in collaboration with the Chair of the Engineering Geology Division (Nicholas Vlachopoulos) and Chair of the Transportation Division (Mario Ruel) are working with AEG members to identify nominations for the 2017 Schuster Medal. The CGS Geohazard Committee executive members are supporting a 3rd North American Symposium on Landslides (NASL) that will be held June 4-8, 2017 in Roanoke, Virginia. Geohazard Committee members assisted in the review of technical papers on landslides and other geohazards for GeoVancouver 2016 and will do the same for GeoOttawa 2017. Preliminary discussions have been held surrounding supporting the publication of two geohazard engineering manuals in 2018

- The Mining Geotechnique Committee, chaired by Paul Simms has participated in conferences and has played a role helped review the papers for GeoVancouver. Plans for hosting a workshop/short course on tailings dam regulations and tailing breach runout prediction at GeoOttawa fell through but will try again for GeoEdmonton. A practitioner-student networking event at GeoOttawa is planned.
- The Professional Practice Committee, formerly chaired by Suzanne Powell and currently chaired by James Blatz organized 2 successful specialty sessions at GeoVancouver. Neil Abbott (Gowlings LLP) presented “Speak like an engineer; think like a lawyer.....how to write expert reports for all legal occasions”. The second session was a joint session with the Engineering Geology Division on Engineering Geology in Canada. The session included four invited speakers from academia and industry that were highlighted in a flyer distributed with the conference hand-outs. One specialty session has been confirmed for the GeoOttawa conference by the organizing committee. The session will be in the form of a mock trial/arbitration. An invited legal firm will provide a few of their partners to set up mock court room and will act in the various roles as litigator, judge, witness, etc. to demonstrate in the session what it is like to appear in a judicial setting.
- The Sustainable Geotechnique Committee is chaired by Tim Newson, held meeting of two sub-committees (Appropriate Technologies for Developing Countries & Literature Survey of Sustainability Systems in Civil Engineering. It has also liaised with equivalent committees for International Society and ASCE, and local societies. The committee is in the process of planning workshop events for 2017 and planning medication of the website.
- The Transportation Geotechnique Committee, chaired by Mario Ruel, continues to work with the Soils and Materials Standing Committee of the Transportation Association of Canada (TAC SMSC) for the development of standards, guidelines or specifications document. An MOU is in progress with TAC SMSC. Active participation of CGS TC members US Transportation Research Board (held in Washington January 2017). Several CGS TC members are taking leadership roles in the Railway Ground Hazards Research Project (RGHRP). Work is underway to plan a webinar on the topic of trenchless technology under transportation corridors.

CGS Divisions

The Divisions continue to be involved in planning sessions and reviewing technical papers for the annual CGS Conferences. Other important work by the Divisions include the selection and presentation their respective Division awards at the annual CGS Conference. A few highlights from the Division activities are:

- Two of the Cold Regions Geotechnology Division’s Executive Committee members (Lukas Arenson and Baolin Wang) were on the board of the Technical Committee for the development of a National Standards of Canada on Geotechnical Site Investigations for Building Foundations in Permafrost (CAN/BNQ 2501-500) lead by BNQ, an initiative of the Standard Council of Canada. The document was planned to be published in February 2017. Division members were invited to review and provide input to the Standards.
- The Engineering Geology Division continues to be very active:
 - A joint session was planned and conducted at GeoVancouver between the Engineering Geology Division and the Professional Practices Committee (PPC). It included the following speakers: Suzanne Lacasse, Doug Van Dine, Peter Quinn, Matt Lato, and Matthias Jakob; relevant speakers within EGD and within practice. This was organized and chaired by the EGD Chair and Suzanne Powell (PPC)

Chair) in conjunction with GeoVancouver organizers. This session was very well attended and well received.

- The Engineering Geology Division Chair is helping organize the CGS Kingston CGS Bozozuk Student Forum 2017. This annual graduate student competition involves the Royal Military College of Canada, Queen's University, Carleton University and the University of Ottawa. It was hosted by RMC, Kingston this year and won by RMC Grad Student Lt Daniel Cruz.
- The Geosynthetics Division offered a short-course for GeoVancouver; instructors: R. Bathurst (RMC) and R. Brachman (Queen's)
- The Soil Mechanics and Foundations Division received over 20 paper submissions from CGS members for the ICSMGE2017 conference in Seoul, Korea. These papers represented a diverse group of topics, as well as university and industry submissions from across Canada.

Rapport annuel de la vice-présidente technique – J. Suzanne Powell
Activités du 1^{er} juillet 2016 au 30 juin 2017

Conférences commanditées, co-commanditées et subventionnées par la SCG

La 69^e conférence canadienne de géotechnique annuelle, GéoVancouver 2016, s'est déroulée du 2 au 5 octobre 2016. La conférence a enregistré une grande participation, avec 759 délégués et 68 exposants. La 5^e cYGEHC a eu lieu à Whistler, en C.-B., du 29 septembre au 1^{er} octobre 2016, avant GéoVancouver, et a attiré 53 jeunes professionnels.

Tournée de conférences transcanadienne (TCT)

Le conférencier de la TCT de l'automne 2016 a été le Dr Ross Boulanger de l'Université de la Californie, à Davis. Le conférencier de la TCT du printemps 2017 était le Dr Vaughan Griffiths de la Colorado School of Mines. Les conférences de St. John's et de Montréal ont été diffusées en ligne et ont suscité beaucoup d'intérêt (notamment dans les petites sections). La TCT de l'automne 2017 (la 100^e) sera présentée par Jean-Marie Konrad.

Conseil canadien de recherche en géotechnique (CCRG)

Le CCRG, présidé par Bruno Bussière, continue à promouvoir la recherche au sein de la communauté géotechnique. Le conférencier du Colloquium 2016 de la SCG a été Jasmin Raymond. Le conférencier du Colloquium 2017 sera Michael Hendry. Le conférencier du Colloquium 2018 sera annoncé durant la conférence GéoOttawa.

Manuel canadien d'ingénierie des fondations (MCIF)

En octobre 2016, une entente a été conclue avec le rédacteur et un échéancier a été établi. Un comité consultatif sur la publication du nouveau *Manuel* a été formé en décembre 2016 pour examiner son modèle de production. Au début de 2017, le rédacteur a quitté son poste. Le Comité exécutif de la SCG a donc entamé des discussions sur la façon de poursuivre ce projet. Deux options pour aller de l'avant sont envisagées : 1. continuer avec le modèle actuel et essayer de trouver un nouveau rédacteur pour continuer ce projet, ou 2. examiner d'autres modèles pour produire le manuel (processus d'appel d'offres). On cherche actuellement un nouveau rédacteur.

Revue canadienne de géotechnique (RCG)

La RCG continue d'exceller sous la direction de ses rédacteurs, le Dr Ian Moore, le Dr Daichao Sheng et le Dr Craig Lake, et de ses 34 rédacteurs adjoints. De plus, 32 membres du comité de rédaction agissent à titre de réviseurs. La revue a reçu 701 manuscrits en 2016. En 2016, la Canadian Science Press a augmenté le nombre de pages allouées à 2 200 pour réduire l'accumulation. Le nombre de pages allouées pour 2017 est 1 800. Récemment, le facteur d'impact « Thomson Reuters » a atteint de 2,138.

Comités techniques de la SCG

- Le Comité sur l'éducation, dirigé par Tareq Salloum, continue à bien gérer les concours de la SCG pour les étudiants et la Bourse nationale pour études supérieures Michael Bozozuk.
- Le Comité sur le patrimoine, dirigé par Heinrich Heinz, a récemment aidé l'ancien président Doug VanDine en mettant à jour les Archives géotechniques virtuelles canadiennes. Un bref historique du *MCIF* a été rédigé sous la direction de Doug VanDine et devrait bientôt être publié.
- Le Comité sur les géorisques, dirigé par Dave Gauthier, aide à organiser la conférence Géorisques 7 (présidée par Mike Porter) qui se tiendra en juin 2018 à Canmore, en Alberta. Des discussions préliminaires ont eu lieu concernant la publication de deux manuels techniques sur les géorisques en 2018.
- Le Comité sur la géotechnique minière, dirigé par Paul Simms, a participé à des conférences et a contribué à la révision d'articles pour les conférences GéoVancouver et GéoOttawa.
- Le Comité sur les pratiques professionnelles, actuellement dirigé par James Blatz, a organisé deux séances spécialisées couronnées de succès durant la conférence GéoVancouver et une autre séance passionnante est prévue pour GéoOttawa.
- Le Comité sur la géotechnique durable, dirigé par Tim Newson, a tenu des réunions avec deux sous-comités (Technologies appropriées pour les pays en développement et Étude documentaire des systèmes de durabilité en génie civil). Il a également assuré la liaison avec des comités internationaux et des sociétés locales semblables.
- Le Comité sur la géotechnique des transports, dirigé par Mario Ruel, continue à travailler avec le Comité permanent des sols et des matériaux de l'Association des transports du Canada pour l'élaboration de normes.

Divisions de la SCG

Les divisions continuent à participer aux séances de planification et à l'examen des articles techniques pour les conférences annuelles de la SCG. Parmi les autres tâches importantes effectuées par les divisions, mentionnons la sélection des lauréats de leurs prix respectifs et leur présentation à la conférence annuelle de la SCG. Voici quelques points saillants des activités des divisions :

- La Division de la géotechnique des régions froides a été consultée dans le cadre de l'élaboration d'une norme canadienne pour les études géotechniques pour les fondations de bâtiments construits sur le pergélisol (CAN/BNQ 2501-500).
- La Division de la géologie de l'ingénieur a organisé une séance conjointe avec le Comité sur les pratiques professionnelles durant la conférence GéoVancouver, et son directeur participe à l'organisation du Forum Bozozuk pour les étudiants de la SCG à Kingston, en 2017.
- La Division des géosynthétiques a offert un cours intensif durant la conférence GéoVancouver.
- La Division de la mécanique des sols et des fondations a reçu plus de 18 articles de membres de la SCG pour l'International Conference on Soil Mechanics and Geotechnical Engineering 2017 à Séoul, en Corée.

Vice-President Finance Annual Report – Kent Bannister January 1, 2017 to June 30, 2017

Introduction

This financial report summarizes the society's revenues and expenses for FY 2016 (Jan 1, 2016 to Dec 31, 2016), and presents the revenues and expenses for FY 2017 from Jan 1, 2017 to June 30, 2017). The financial balance sheet as of June 30, 2017 is also attached.

Fiscal Year 2016

CGS ended 2016 on a positive financial note with modest revenue over expenses of \$12.2K compared to the original budgeted loss of \$44K. The surplus was primarily the result of larger than expected revenues from the 2016 annual conference in Vancouver.

The Society continues to be in excellent financial health with total assets at December 31, 2016 of \$922.7K, comprised of \$389.5K in cash and restricted funds, \$115.6K in investments, \$235K in loans to the Canadian Foundation for Geotechnique and various CGS-sponsored conferences, \$181.2K in accounts receivable, and \$1.5K in equipment.

Summary of Revenue and Expenses to June 30, 2017

Revenues to date (including prepaid revenues received in 2016 for 2017 membership) are \$260.9K compared to \$266K for the same period in 2016. The drop is largely attributable to the timing of receiving international membership income and miscellaneous income, however there does appear to be a slight downward trend.

Expenses paid are \$211.4K, compared to \$215.9K in the first half of 2016. Again, the timing of paying for the international memberships for CGS members is the main factor driving the slight year to year difference.

	2016 Actual (Audited)	2017		
		Budget	to June 30, 2017	Projection to Dec 31, 2017
	Revenue (x \$1,000)			
Membership Dues	258.8	260.0	234.7	257.5
Publications	32.6	25.0	15.0	30.0
Conferences	118.2	35.0	0	35.0
Sponsorships	12.5	12.0	10.5	12.0
Miscellaneous	3.6	5.0	0.7	2.5
TOTAL REVENUE	425.7	337.0	260.9	337.0
	Expenses (x \$1,000)			
Int'l. Memberships	31.5	30.0	7.4	30.0
Conferences/CCLT	12.6	8.0	8.8	10.0
Publications	110.4	105.0	70.1	105.0
Staff Fees	164.7	160.0	79.6	160.0
Operations	58.3	65.0	38.8	65.0
New Initiatives	36.0	20.0	3.0	20.0
Miscellaneous	0	2.0	3.7	5.0
TOTAL EXPENSES	413.5	390.0	211.4	395.0
REV MINUS EXP	12.2	-53.0	49.5	-58.0

Notes to Accompany Summary of Revenue and Expenses

Revenue

Membership Dues: At mid-year, membership revenues are lower by \$5.2K than in the same period in 2016. Revenues from 2nd society memberships (CSCE, NAGS, IAH-CNC) are typically collected in the 3rd quarter. This income, plus the regular membership revenue still to come in during the 3rd quarter, may not be sufficient to reach the target of \$260K (now projected to be \$257.5K).

Publications: Publication revenue in 2017 is keeping pace with 2016 numbers so the year-end forecast is projecting additional revenue received of \$15K (\$30K total).

Conferences: Conference income for GeoOttawa will not be realized until the end of the year. Attendance at GeoOttawa is projected to be strong, however revenues will be shared with the IAH which will result in reduction to overall conference revenues.

Sponsorships: 2016 Corporate Sponsor revenue collected is presently \$10.5K – additional sponsorship has been committed and will be collected in Q3.

Miscellaneous: Reflects \$0.7K in interest earned so far. EIC Career Site income was received last year in Q1-Q2, but had not arrived by June 30, 2017, accounting for much of the difference.

Expenses

International Memberships: At the end of Q2, \$7.4K has been paid to various International Societies for memberships purchased or included in CGS membership due to Division selection. The remainder owing is typically sent in Q3.

Conferences/CCLT: Conference expenses are usually incurred in Q4. The current expenditure of \$8.8K reflects CCLT expenses to date, most of which will be reimbursed by the Foundation in the 4th quarter. Based on the 2016 actual figures, it is projected that the budget may be exceeded by \$2K (\$10K is the projected total).

Publications: This figure includes payments to NRC Research Press for online access to the *Canadian Geotechnical Journal* for all members, and print copies for those who paid extra to order the mailed hard copy. This also includes payments to BiTech Publishers for *Geotechnical News*. Publication expenses are tracking similar to the 2016 figures.

Staff Fees: The June 30 to-date figure of \$79.6K is 49.8% of the annual budget so is tracking well.

Operations: The to-date figure of \$38.8K is up by \$6K over the same period in 2016. The major differences between 2017 and 2016 are bookkeeping costs that are now billed separately (previously they were included in GGMI staff fees) and increased website costs. At present, approximately 60% of our budgeted total for this line item has been spent, based on this, the year-end forecast may need to be increased. However, GGMI staff costs are expected to be lower in 2017 thus negating the changes in bookkeeping costs now shown in operations.

New Initiatives: \$3.0K reflects the to-date expense reimbursements for the new Colloquium Tour.

Miscellaneous: Expenses to date of \$3.7K primarily consist of \$3.5K for travel support paid so far to young CGS member attendees of the 2017 ISSMGE conference.

Summary Balance Sheet as of June 30, 2017

		x \$1,000
Assets	Cash (Chequing/Savings)	463.6
	Restricted Funds	36.1
	Investments	116.0
	Accounts Receivable	1.9
	Loans Outstanding	260.0
TOTAL ASSETS		877.6

Liabilities	Accounts Payable	11.5
	GST/HST Payable	5.5
	Accrued Liabilities	9.0
TOTAL LIABILITIES		26.0
Equity	Retained Earnings to 2016	766.0
	Restricted Funds	36.1
	Revenues Less Expenses 2017	49.5
TOTAL EQUITY		851.6
TOTAL LIABILITIES & EQUITY		877.6

Notes to Accompany the Balance Sheet as of June 30, 2017

Assets

Cash (Chequing and Savings): TD Canada Trust (chequing \$261.4K); Tangerine (Business Savings \$202.2K)

Restricted Funds: Cold Regions Division (\$12.8); Engineering Geology Division (\$8.8); Education Committee (\$14.5K)

Investments: RBC (Investment Savings \$116.0K)

Accounts Receivable: BiTech Publishing (publications income)

Loans Outstanding: Canadian Foundation for Geotechnique (\$235K) at 0%; GeoOttawa \$20K, Geohazards \$5K at 0%

Liabilities

Accounts Payable: GGMI, Pro.NET and Johnsen Archer (CGS Auditor) June invoices

Accrued Liabilities: Annual Audit Charges (2017)

Equities

Restricted Funds: Cold Regions Division (\$12.8); Engineering Geology Division (\$8.8); Education Committee (\$14.5K)

Rapport annuel du Vice-président aux finances – Kent Bannister **1^{er} janvier 2017 au 30 juin 2017**

Les tableaux ci-dessous présentent l'état des finances de la SCG au 30 juin 2017, avec les projections au 31 décembre 2017. Les données réelles de 2015 et 2016 sont incluses à titre comparatif. De façon générale, la SCG demeure dans un position financière solide. Veuillez noter que le rapport annuel de la SCG (juillet 2016 - juin 2017), qui accompagne ces tableaux, sera publié sur le site web de la Société. Le budget proposé pour 2018 est également inclus.

Revenus et dépenses au 30 juin 2017

	Réels 2015	Réels 2016	2017			2017 Budget proposé
			Budget	Au 30 juin	Projection au 31 déc.	
		Revenus (x \$1,000)				
Cotisations des membres	260.8	258.8	260.0	234.7	257.5	260.0
Publications	42.7	32.6	25.0	15.0	30.0	20.0
Conférences	61.6	118.2	35.0	0	35.0	35.0
Commandites	12.5	12.5	12.0	10.5	12.0	12.0
Divers	4.9	3.6	5.0	0.7	2.5	5.0
REVENUS	382.5	425.7	337.0	260.9	337.0	332.0
		Dépenses (x \$1,000)				
Adhésions internationales	29.6	31.5	30.0	7.4	30.0	30.0
Conférences	11.6	12.6	8.0	8.8	10.0	10.0
Publications	116.3	110.4	105.0	70.1	105.0	105.0
Rémunération du personnel	152.8	164.7	160.0	79.6	160.0	160.0
Activitiés d'exploitation	57.7	58.3	65.0	38.8	65.0	65.0
Nouvelles actions		36.0	20.0	3.0	20.0	20.0
Divers	12.7	0	2.0	3.7	5.0	2.0
DÉPENSES	380.7	413.5	390.0	211.4	395.0	392.0
REV MOINS DÉP	1.8	12.2	-53.0	49.5	-58.0	-60.0

Bilan financier au 30 juin 2017

		x \$1,000
Actifs	Trésorerie - compte chèque	436.6
	Fonds affectés	36.1
	Placements – comptes épargne	116.0
	Créances d'exploitation	1.9
	Prêts en cours	260.0
ACTIFS TOTAUX		877.6
Dettes et charges	Dettes d'exploitation	11.5
	TPS/TVH payable	5.5
	Charges à payer	9.0
PASSIF TOTAL		26.0
Capitaux propres	Bénéfices non répartis de 2016	766.0
	Fonds affectés	36.1
	Revenus moins dépenses au 30 juin 2017	49.5
CAPITAUX PROPRES TOTAUX		841.4
CAPITAUX PROPRES TOTAUX ET PASSIF		877.6

General

Date of report: July 26, 2017

Prepared by: Jean Côté, VP Communications and Member Services

End of Term: December 2018

CGS-GIN and CGS News

Ten issues of CGS-GIN were distributed in the last half of 2016 (September, October, November & December) and first half of 2017 (January, February, March, April, May and June); July and August were not issued due to summer holiday schedules.

CGS-GIN has continued to follow the excellent format created in 2015. All EC members are contacted each month to solicit news items for CGS-GIN. The regular items from the annual schedule of CGS business are sourced and adapted from previous issues.

The core of a task force has been formed to explore the future of GN and CGS-News and make a recommendation to EC about the creation of an editorial committee (CGS news editor, column editors, authors, divisions/committees/sections participation, etc...) and financial models (publisher/format, sponsoring, fees per member). At the present moment, six individuals have been appointed and the VPcomm is look for another member, preferably from the industry.

In its present form, the technical content of Geotechnical News could be increased with articles from committee chairs, division chairs and section directors. Other avenue for increasing content could include extended abstract from colloquium speakers, selected papers from the various conferences sponsored by CGS, student paper awards, best paper awards, overview articles from a GN editor about published papers in the CGJ and lists of PhD (and MSc) theses with abstracts.

CGS Website

The new CGS website was launched in mid-December 2016 and the consensus is it looks very good and that browsing is easy. At launch, not all pages had been fully translated, but that work has been ongoing and completed throughout the first half of 2017. As part of the site renewal program, the previous Regional affiliations were replaced with Section affiliations for each member's record in order facilitate improved active/inactive reporting to the sections.

Apart from upcoming updates, the following new additions, suggested by the previous administration, are now under review: speaker's corner; and a search engine for CGC papers. A personalized member "dashboard" is also being considered. A message board had also been considered, but it was decided to attempt to use social media platforms such as Facebook.

CGS LinkedIn / Facebook

The CGS LinkedIn and Facebook pages continue to attract member signups and interest. The CGS National Office always welcomes possible content for posting.

Membership registration / Renewal

As of June 30, 2017, 1,354 members have renewed or registered with CGS. In comparison, CGS had a total of 1459 members for the year 2016. All student delegates attending the 2016 annual conference were given complimentary registrations for the 2017 membership year. A total of 208 students are now registered. Effort in increasing student

membership will be continued as it is expected that it will improve our communication with the younger generation, resulting in more future full members.

Communication and membership strategy

Work was initiated to develop a CGS communication and membership strategy. The strategy aims at enhancing and maximizing the impact of CGS communications, increasing the interest to CGS products and activities, increasing registration and involvement of members and stimulating new initiatives.

One of the key action of the communication strategy is to revive the membership committee to increase synergy between CGS and its members as well as with non-members. The committee will promote CGS to current and future members, organize membership surveys, increase interest in volunteering, and look at ways to increase membership and ensure membership renewal. An individual has been contacted to take the lead of this committee. A proposal will be made to the executive committee during the Fall meeting to formally revive the committee.

Rapport annuel du Vice-président, Communications et services aux membres– Jean Côté ***Activités du 1^{er} juillet 2016 au 30 juin 2017***

Genéralité

Date du rapport : 26 Juillet 2017

Préparé par : Jean Côté, VP Communications et services aux membres

Fin du mandat : Décembre 2018

CGS-GIN et CGS News

Dix numéros du *RIG-SCG* ont été distribués durant la dernière moitié de 2016 (septembre, octobre, novembre & décembre) et la première moitié de 2017 (janvier, février, mars, avril, mai et juin) ; les mois de juillet et août sont exclus en raison des vacances d'été.

RIG-SCG a poursuivi suivant l'excellent format créé en 2015. Tous les membres du comité exécutif ont été contacter à chaque mois pour solliciter des nouvelles. Les nouvelles régulières du calendrier annuel des activités de la SCG sont retenues et adaptées des numéros antérieurs.

Le noyau d'un groupe de travail a été formé pour explorer le futur du Geotechnical News et du CGS news et faire une recommandation sur la création d'un comité d'édition (éditeur des nouvelles, éditeur de colonne, auteurs, participation des divisions, comités et sections, etc...) ainsi que sur des modèles financiers (éditeur/format, commandites, frais par membres). À l'heure actuelle, six individus ont été nommé et le VPcomm est à la recherche d'un septième membre provenant de préférence de l'industrie.

Dans la forme actuelle du Geotechnical News, le contenu technique pourrait être augmenté avec des articles des présidents de comités et de divisions et des directeurs régionaux. D'autres avenues pour augmenter le contenu pourrait inclure les résumés longs des conférenciers colloquium, des articles de conférences de la SCG, les articles gagnants de prix (étudiant et autres), des synthèses d'articles scientifiques de la RCG préparés par des éditeurs actuels du GN, ainsi que les listes des thèses de doctorat de mémoires de maîtrise avec résumés.

Site web de la SCG

Le nouveau site web de la SCG a été lancé à la mi-décembre 2016 et le consensus a été que la nouvelle version est très attrayante et facile à naviguer. Le lancement a été fait sans que la totalité des pages soient traduites en français, mais le travail qui s'est poursuivi durant l'hiver et le printemps 2017 est maintenant complété. Le programme de renouvellement

a permis de remplacer les affiliations régionales par les affiliations aux sections pour améliorer le signalement des membres actifs/inactifs aux sections.

Mis à part les mises à jour régulières, les items suivants tels que suggérés par l'administration précédente sont maintenant à l'étude : le coin des conférenciers et un outil de recherche des articles de toutes les Conférences Canadienne de Géotechnique. Un tableau de bord personnalisé est aussi considéré. La mise en place d'un babillard électronique est aussi à l'étude pour une implémentation possible dans les médias sociaux tel que Facebook.

CGS LinkedIn / Facebook

Les pages LinkedIn et Facebook de la SCG continuent d'attirer de nouveaux membres et l'intérêt est grandissant. Le bureau national de la SCG continue d'accueillir de contenu potentiel pour publication.

Adhésion et renouvellement

En date du 30 juin 2017, 1,354 membres avaient renouvelé leur adhésion ou s'étaient nouvellement inscrits à la SCG. En comparaison, la SCG avait un total de 1459 membres pour l'année 2016. Tous les étudiants inscrits à la conférence annuelle de 2016 ont reçu une inscription gratuite à la SCG pour l'année 2017. Un total de 208 étudiants sont présentement membres. Les efforts pour accroître le nombre de membres étudiants seront poursuivis car il est anticipé que cela améliorera les communications avec les nouvelles générations, résultant ultimement à un nombre accru de membres réguliers.

Stratégie de communication et d'adhésion

Une stratégie de communication et d'adhésion est présentement en développement. La stratégie vise à améliorer et maximiser l'impact des communications de la SCG, augmenter l'intérêt pour les produits et activités de la SCG, augmenter le nombre de membre, le volontariat de même que stimuler les nouvelles initiatives.

Un des éléments clé de la stratégie est de remettre sur pied le comité des adhésions pour augmenter la synergie entre la SCG et ses membres de même qu'avec les non membres. Le comité fera la promotion de la SCG envers ses membres et les membres potentiels, organisera des sondages, accroîtra l'intérêt pour le volontariat et évaluera les avenues pour augmenter les adhésions et le taux de renouvellement. Une personne a été contactée pour prendre la tête du comité. Une proposition formelle sera faite lors de la réunion d'automne du comité exécutif pour remettre le comité en route.

Young Professional Representative Annual Report – Ariane Locat July 1, 2016 to June 30, 2017

General

Date of report: August 10th, 2017

Prepared by: Ariane Locat

End of Term: 2017

Report on young member events

- 5th cYGEHC Organizing Committee sent in their conference report on December 31st 2016. 53 young engineers and geoscientists from across Canada, US, England and Hong Kong attended to this conference and made it a great success. Technical program included 2 field trip, 5 key note speakers, 32 oral presentations and 20 posters. The conference was also financially successful making \$ 4 322.15 in profits. The report is complete and thorough. In general, the organizing committee did a great job!

- CGS representative for the iYGEC6 Seoul Korea, September 2017 - Andrea Loughheed (Vancouver, BC) and Jeffrey Oke (Kingston, ON) were selected out of 11 very good candidates by a selecting committee composed of Jinyuan Liu, Greg Siemens, Kent Bannister, Suzanne Powell and Ariane Locat.
- Discussion is going on to put in place an Early Achievement Award with Kent Bannister, CGS Treasurer. More details will be given to the CGS Executive Committee for follow up and a decision on this proposal for the spring meeting.
- Golder has contacted me to involve me in the 2017 GeoPardy Edition in order to involve more the SCG in the event for students.
- The idea of organizing an icebreaker for young professionals and students at GeoOttawa has been presented to the Executive committee. Mamadou Fall has been contacted to see if he knows a young professional or a student that can take the lead on the logistic of this event.

Additional information or comments

Ariane Locat mandate as Young Professional Representative is coming to term in 2017 at the end of the year. Potential replacement has been discussed with the CGS president for potential future candidates.

SECTION REPORTS

Sections Representative Annual Report – Seán Mac Eoin July 1, 2016 to June 30, 2017

The reported membership grew by 3.5% this year, and all Sections reported holding at least one event again this year. One Section held 13 events, with the average number of events held by Sections being just under 6. Some Sections will continue to require support from the Section Representative and from CGS HQ in the coming year. It is hoped that their well-established neighbouring Sections will also offer support.

During the year (July 2016 to June 2017), 170 members of Section Committees and Executives – all volunteers – served their 2,250 Section members, and arranged 117 events (technical and social), achieving over 4,900 attendances. (This figure does not include the attendance at GeoVancouver2016.) This indicates that the CGS is serving well the Geotechnical community at a local level.

Some Sections may wonder how the effectiveness of their efforts compares with the effectiveness of other Sections. From the data reported by the 20 Sections, some comparisons are possible. All of these comparisons must be considered in the context of each of the Sections compared. There is always room for improvement, and the statistics are only part of the story of the hard work that is evident from the Section reports again this year.

One measure of delivery to local Section members and of the Section's workload is the number of events held annually per member of the Section Executive. The average is 0.69 events per Section Executive member with values ranging from 0.14 to 2.67. The average is slightly lower than last year. The number of events held per member is also a useful indicator. This averaged 0.05, ranging from 0.02 to 0.25, and slightly less than last year. Another such measure is the annual attendance at events per member of the Section Executive. This averages at 27.1, and ranges from 2.5 to 100.8 and provides no measurement of the quality of events held. The average attendance at events per Executive member is 4 less than last year. This reflects the increase in recorded membership to 2,251.

The participation by local Section members may be measured by the attendance per member at events. The average attendance rate is slightly less than last year, at 2.04 events attended per member, and this ranged from 0.67 to 5.1. Participation and commitment of Section members may also be gauged by the average percentage of members attending events, and this ranges from 7.9% to 150%. The higher value may indicate an opportunity to add to our membership those non-members attending our events.

The percentage of the membership sitting on the Section Executives ranged from 4.3% to 37.5%, averaging 7.55%. On average, each member of an Executive served 13.2 Section members.

It is clear that the Section Executives are busy, and membership of an Executive is liable to be particularly demanding where the work is not evenly shared, particularly on smaller Executives.

The data from 18 of the 20 Sections was sufficient to allow an examination of the employers of the members of the Executive. The six employer types considered were Consultant, Contractor / Laboratory / Supplier, Client, Academic, Student, and Retired. The valid data represented 157 members of Section Executives. One Section reported representation from each employer type, and four others lacked only a retired member. Five Sections had only one or two employer types. Every Section included at least one member employed by a Consulting Engineer. The distribution nationwide is tabulated below.

	Consultant	Contractor/ Laboratory/ Supplier	Client	Academic	Student	Retired	TOTAL
Average Number per Section Executive	4.4	0.8	1.0	1.7	0.7	0.1	8.7
Canada Total (for 18 Sections)	80	15	18	30	12	2	157

The table shows that participation by consultants and academics dominates. This may reflect a general employment distribution in Canada. Only 7 of the 18 Sections examined included one or more students on the Executive. An improvement in student representation is likely to benefit the Society in the long term.

There is evidence of cooperation between Sections, and of well-established Sections reaching out to developing Sections to offer help and support. This is very positive, and can only serve to strengthen the Society.

The data provided by the Sections are summarised in the table below.

Section	Members			Number of Events					Total Events	Total Attendance	Sponsor Student? 2017
	Executive Total/incl students	Total Members Total/incl students	CGS Members Total/incl students	CCLT	Technical Lectures	Workshop & Short Courses	Student Events	Social Events			
Vancouver Island	3/NP	NP/NP	38/NP	2	6	0	0	0	8	168	N
Vancouver	12/NP	273/24	NK/NK	2	6	2	0	1	11	241*	N
Prince George	7/NP	25/NP	10/NK	0	1	0	0	0	1	28	N
Interior BC	4/NP	15/NP	NK/NK	0	1	0	0	0	1	10	N
Edmonton	15/1	255/34	142/NK	1	3	1	2	0	7	382	Y
Calgary	15/3	199/NP	NP/NP	2	6	0	1	0	9	NP	Y
Saskatoon	9/1	50/20	NK/NK	0	3	1	0	0	4	255	Y
Regina	10/NP	40/NP	15/NP	2	3	0	0	0	5	188	Y
Manitoba	7/1	NP/NP	57/11	2	6	0	0	0	8	346	Y
Thunder Bay	3/0	8/NP	10/NP	0	1	0	0	0	1	12	N
Sudbury	4/0	16/NP	16/NP	2	2	0	0	0	4	69	N
London	15/2	300/NP	40/NP	0	7	0	0	0	7	210	N
Southern Ontario	13/1	300/NP	300/NP	2	5	1	1	1	10	1,310	N
Kingston	8/NP	110/NP	NP/NP	1	1	0	1	0	3	119	Y
Ottawa	9/NP	100/NP	60/NP	2	4	0	1	1	8	340	Y

Section	Members			Number of Events					Total Events	Total Attendance	Sponsor Student? 2017
	Executive Total/incl students	Total Members Total/incl students	CGS Members Total/incl students	CCLT	Technical Lectures	Workshop & Short Courses	Student Events	Social Events			
L'ouest-du-Québec	10/1	117/16	NP/NP	2	5	0	1	0	8	335	Y
L'est-du-Québec	15/2	320/NP	73/25	2	9	0	1	1	13	330	Y
New Brunswick	4/0	45/NP	30/NP	1	0	0	0	0	1	20	N
Nova Scotia	4/NP	18/NP	18/NP	1	1	0	0	0	2	30	N
St. John's	3/NP	60/30	20/NP	2	3	0	1	0	6	207	Y
Totals	170/12	2,251/124	>829/36	26	73	5	9	4	117	4,600[*]	10

*Does not include CGS National Conference

NP = Not Provided

NK = Not Known

The benefit of webcasting of lectures has been recognised, with smaller Sections benefitting along with larger Sections. We do have CGS members in very remote parts of the country, and webcasting technology has gradually made it easier to enable them to participate in events. The Society will benefit from knowledge-sharing across Section boundaries also.

I acknowledge with gratitude the effort by Section Directors across Canada in providing the information summarised in this report, and I recognise the work the Sections do in serving our members. It is hoped that this summarised information will be useful to them.

***Vancouver Island Geotechnical Group
Annual Report July 1, 2016 to June 30, 2017***

General

Date of this report: Aug. 14, 2017

Prepared by: Chris Weech

Section Director: Chris Weech

End of Section Director's Term: December 31, 2018

Last time your Section's CGS web page was updated: Summer 2016

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Chris Weech, *Thurber Engineering Ltd.*
Past Chair: J. Suzanne Powell, *Thurber Engineering Ltd.*
Vice Chair/Technical Director: Jay McIntyre, *Thurber Engineering Ltd.* (interim)
Treasurer/Registrar: Jeff Ferraby, *Ryzuk Geotechnical*

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 3

Total members (if possible, student and non-student members): We do not offer a local VIGG membership. Our talks through the 2016/17 season averaged 21 people, which is fairly typical.

Total CGS members (if possible student and non-student members): 38 as of May 23, 2017 (up from 34 as of Oct. 28, 2016)

Comments:

- Through the 2016/17 season, roughly 30% of the attendees at the section activities were CGS members.

Section Finances (as of June 30, 2017)

Account balance \$4,578

Does your Section charge members an annual fee? No

Comments:

- The Section's account balance has remained fairly constant since June 30, 2016

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
September 27, 2016	Luca Zorzi	Stava Tailings Dam Failure	18
October 28, 2016	Ross W. Boulanger	Liquefaction Effects On Piled Bridge Abutments	22
November 17, 2016	Ryan McKeever	The Use Of Concrete Cloth For Civil Infrastructure Markets	12
January 18, 2017	Mel Best	An Integrated Investigation Of NE BC Regional Groundwater Using Gamma Logs And Airborne EM	23
February 22, 2017	Bengt Fellenius	Vibratory Compaction With Emphasis On Resonance Model	22
March 16, 2017	Pete Craig	Liquid Shoring	19
April 13, 2017	Vaughan Griffiths	Risk Assessment in Geotechnical Engineering	22
May 24, 2017	Doug VanDine	Geotechnical Consulting . . . It's Only Common Sense After You Make A Few Mistakes	30

Vancouver Geotechnical Society
Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: July 14, 2017

Prepared by: Andrea Lougheed

Section Director: Andrea Lougheed

End of Section Director's Term: December 31, 2018

Last time your Section's CGS web page was updated: Unknown

If your Section has a separate website, please provide address: www.v-g-s.ca

Is there a link from your Section's website to the CGS website? Yes. It can be found under the links page, which also lists the Calgary Geotechnical Society, Geotechnical Society of Edmonton, CSCE, TAC, CDA, ASCE – Seattle.

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Chris Longley, *Stantec*

Past Chair: Ali Amini, *Naesgaard Amini Geotechnical Ltd.*

Vice Chair: N/A

Secretary: Shane Magnusson, *BGC Engineering*

Treasurer: Yoshi Tanaka, *exp Services Inc.*

Program Director: Robyn Barnett, *Tetra Tech*

Registrar: Aram Thurairajah, *Golder*

Web Manager: Marc Bossé, *Thurber Engineering*

CGS Director: Andrea Lougheed, *BGC Engineering*

Member-at-Large: Ryan Mills, *Tetra Tech*

Member-at-Large: Kumar S. Sriskandakumar, *BGC Engineering*

Member-at-Large: Mustapha Zergoun, *Thurber Engineering*

Member-at-Large: James Woo, *Stantec*

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 12

Total members (if possible, student and non-student members):

- Regular Members – 236
- Student Members – 24

- Lifetime Members – 13
- Total Members - 273

Total CGS members (if possible student and non-student members): Unknown and not tracked.

Comments:

- Membership is taken between September 2016 and September 2017. No new memberships are accepted after the 2017 Symposium.

Section Finances (as of June 30, 2017):

Account balance \$176,505.92

Does your Section charge members an annual fee? Yes

If so, how much? \$25 (regular) / \$5 (students)

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
Sept. 16, 2016	Armin W. Stuedlein (Oregon State University)	Ground Improvement and Liquefaction Mitigation Using Driven Timber Piles	
Oct. 27, 2017	Ross W. Boulanger (UC Davis)	Liquefaction and Spatial Variability (Fall 2016 CCLT)	
Nov. 29, 2016	Bryan Watts (Klohn Crippen Berger)	Recent Trends in the Safety Assessments for Tailings Dams	
Jan. 10, 2017	Ross Varin	VGS-TAC New Year's Party	
Feb. 1, 2017	Dr. John Clague (SFU)	Glacial Landforms and Sediments of British Columbia (2017 Short Course)	95
Feb. 2, 2017	David Tara (Thurber Engineering)	A Screening Tool for Impact Hammer Selection for Installation, Testing and Damage Mitigation for Open-Toe Steel Pipe and H-Piles	
Feb. 22, 2017	Charles Hunt	Challenging Rock Slope Excavation and Remediation	
Mar. 23, 2017	Prof. Richard Goodman (UC Berkley)	Importance of Geology and Rock Mechanics in the Siting and Construction of Dams (UBC Geological Engineering 2017 Distinguished Lecture)	
Apr. 12, 2017	Dr. Vaughan Griffiths (Colorado School of Mines)	Risk Assessment in Geotechnical Engineering (Spring 2017 CCLT)	
May 16, 2017	Dr. Mahdi Taiebat (UBC)	Saniclay and Sanisand Plasticity Models: Recent Advances and Applications	
June 2, 2017	24 th VGS Symposium – Keynote by Dr. Jean Hutchinson (Queen's University)	Engineered and Natural Slopes	146

- Account balance increased significantly this year due to the return of seed money (\$20,000) and profits from GeoVancouver 2016 (\$112,139.86)

Prince George Geotechnical Group
Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: July 7, 2017

Prepared by: Warren Lemky / Dave McDougall

Section Director: Warren Lemky, Chair

End of Section Director's Term: December 2018

Last time your Section's CGS web page was updated: I think early to mid January 2016 with the revitalizing of the CGS website

If your Section has a separate website, please provide address: No

Is there a link from your Section's website to the CGS website? N/A

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Warren Lemky, *Ministry of Transportation and Infrastructure*

Past Chair/Treasurer: Dave McDougall, *GeoNorth Engineering Ltd.*

Vice Chair: Dmitri Ostrichenko, *Amec Foster Wheeler*

Secretary: Mark Dresen, *GeoNorth Engineering Ltd.*

Member at Large: Doug Dewar, *Spectra Energy*

Member at Large: Natasha Jmaeff, *GeoNorth Engineering Ltd.*

Member at Large: Heidi Evensen, *Ministry of Transportation and Infrastructure*

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 7

Total members (if possible, student and non-student members): 25

Total CGS members (if possible student and non-student members): Not documented, ~10

Section Finances (as of June 30, 2017):

Account balance \$2,030

Does your Section charge members an annual fee? No

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
Nov 3, 2016	Jun Yin	An update on changes to the Ground Water Protection Regulation	28
Same event	Doug Dewar	Guidelines When Using Strain Gauges to Monitor Pipelines in Slow Moving Landslides	28

***Interior BC (Kelowna) Section
Annual Report July 1, 2016 to June 30, 2017***

General

Date of this report: July 15, 2017

Prepared by: Sumi Siddiqua

Section Director: Sumi Siddiqua

End of Section Director's Term: June 2018

Last time your Section's CGS web page was updated:

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Sumi Siddiqua, *UBC-Okanagan*

Past Chair: Dwayne Tannant, *UBC-Okanagan*

Vice Chair: Dwayne Tannant, *UBC-Okanagan*

Secretary: Glen Rutherford, *Golder Associates*

Student Member: Stephen Renner, *MASc student, UBC-Okanagan*

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 4

Total members (if possible, student and non-student members): 15+

Total CGS members (if possible student and non-student members): We don't have the record of it

Section Finances (as of June 30, 2017):

Account balance \$9,000

Does your Section charge members an annual fee? No

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
March 08, 2017	Dr. Ramy Saadeldin, P.Eng. Geotechnical Engineer and Project Manager, Stantec Ottawa	Foundations for wind turbines	10 (including students)

Northern Alberta, Yukon and the NWT Section (GSE)
Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: 28 August 2017

Prepared by: Seán Mac Eoin

Section Director: Seán Mac Eoin

End of Section Director's Term: 31 December 2017

Last time your Section's CGS web page was updated: 2016 (Executive is out of date.)

If your Section has a separate website, please provide address: www.geotechnical.ca

Is there a link from your Section's website to the CGS website? Yes

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

President: Kim Askew, *BGC Engineering Inc.*

Past President: Renato Macciotta, *University of Alberta*

Vice President: Patrick Mah, *Advisian*

Secretary: Delakshan Inparajah, *AMEC Foster Wheeler*

Program Chair: Hossein Kasani, *University of Alberta*

Treasurer: Alma Ornes, *BGC Engineering Inc.*

Member at Large: Murray Innes, *Mobile Augers and Research Limited*

Member at Large: Alister MacIsaac, *OpSens*

Member at Large: Paul Lach, *City of Edmonton*

Board Member (UoA): Michael Hendry, *University of Alberta*

Board Member (NAIT): Jeffrey Chapin, *Northern Alberta Institute of Technology*

Student Member: Haley Schafer, *University of Alberta*

CGS Regional Director: Seán Mac Eoin, *AECOM* (to Dec. 2017); Renato Macciotta, *UoA* (from Jan. 2018)

Registration: Don Lewycky, *Retired*

Website: Ken Froese, *Thurber Engineering Ltd.*

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 15

Total members (if possible, student and non-student members): 255 (= 34 + 221)

Total CGS members (if possible student and non-student members): 142 (43 "Inactive")

Comments:

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
20 Sep 2016	Courtney Mulhall Moiria Guo	<u>Annual Fall Wine & Cheese Event</u> Large-scale Laboratory Testing of Tie Lateral Resistance in Two Ballast Materials Field Tests of Tapered Screw Piles Subjected to Axial Compression and Tension in Cohesive Soil	41
14 Oct 2016	Dr. Ross Boulanger, P.E., F.ASCE, University of California at Davis	<u>Cross-Canada Lecture Tour</u> Liquefaction and Spatial Variability (2016 Peck Lecture)	41
29 Nov 2016	Dr. Derek Martin University of Alberta	The Evolution of a Dam Layout in Clay Shales	55
27 Jan 2017	Dr. Xiaobo Wang, P.Eng., Thurber Engineering Ltd.	Geotechnical Investigation Design and Construction of ICE District Tower	85
		Colloquium Lecture Scheduled but Cancelled due to injury suffered by speaker.	
13 Apr 2017		GSE/UofA 15 th Annual Applied Geotechnical Engineering Design Contest: Reinforced Soil Wall	~60
3 May 2017	Dr. John Kupper, Morris Maccagno	Symposium: Hydrogeology	20
18 May 2017	Dr. Del Fredlund	AGM: Application of Unsaturated Soil Mechanics in Engineering Practice	80
TOTAL			382

- It is not possible to obtain the number of Student CGS members from the Society's listing on the website.

Section Finances (as of June 30, 2017):

Account balance \$ 39,811

Does your Section charge members an annual fee? Yes

If so, how much? \$ 15.00

Additional information or comments

- Section will host CGS 2018 Annual Conference in Edmonton.
- The Geotechnical Society of Edmonton would like to acknowledge the lasting contribution of Dr. Stan Thomson, whose death occurred on 7 October 2016.

Southern Alberta Section (Calgary Geotechnical Society)
Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: September 17, 2017

Prepared by: Leanne McLaren

Section Director: Leanne McLaren

End of Section Director's Term: December 2020

Last time your Section's CGS web page was updated: September 2017

Is there a link from your Section's website to the CGS website? Yes

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Ertan Ozmen, *Clifton Associates*

Past Chair: Samir Hebib, *Bauer Foundations*

Vice Chair: Hamid Karimpour, *Stantec*

Secretary: N/A

Treasurer: Daniel Bertrand, *AMEC Foster Wheeler*

Venue Coordinator: Aditi Khurana, *University of Calgary Student*

Announcements: Remco Kleinlugtenbelt, *Thurber Engineering*

Webmasters: Dat Tran & Mauricio Pinheiro, *Thurber Engineering*

Student Representative: Joshua Winfield, *University of Calgary Student*

SAR Director: Leanne McLaren, *Thurber Engineering*

Members at Large: Chee Wong, *University of Calgary Student*

Genarro Exposito, *Shell*

Peyman Tabatabaei, *E2K Engineering*

Carlos Ordonez, *AMEC Foster Wheeler*

Morteza Mohamadi

Scott McKean, *University of Calgary Student*

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 15

Total members (if possible, student and non-student members): 199

Total CGS members (if possible student and non-student members):

Comments:

- Numbers unknown at this time.

Section Finances (as of June 30, 2017):

Account balance \$9,184.06

Does your Section charge members an annual fee? No

Comments:

- CCLT prices have been increased from \$40 for professionals and free for students to \$45 for professionals and \$20 for students

Section 5: Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
Sept 22	Jiechun Wu	Geomechanical Behaviour of Hydrate-bearing Fine-Grained Sediments	
Oct 13	CCLT: Ross W. Boulanger Ph.D	Evaluating Liquefaction in Finely Interbedded Sand, Silt and Clay deposits	
Nov 17	Remco Kleinlugtenbelt, M.Sc.	Digging a tunnel in very soft soils underneath a city built on 400 year old wooden piles	
Dec 6	Rodrigo Fragachan, M.Eng.	Foundations for the Ice District towers E and A in Edmonton	
Jan 31	Amy Rentz, Ph.D	Field Performance of Exposed Geosynthetic Composite Liner System	
Feb 23	Student/Young Professional 3 minute theses and networking event	Various subjects for 3 minute thesis presentations	
Mar 21	Gennaro Esposito M.Sc. P.Eng.	An update on the ongoing geotechnical work related to the seismic hazard characterization of Fox Creek	
Apr 12	CCLT: Vaughan Griffiths, PhD., D.Sc., P.E.	Finite Element Stability Analysis	
May 18	AGM: Heinrich Heinz Ph.D., P.Eng.	The History of Geotechnique in Calgary	

Additional information or comments

- Preparation of Expression of Interest for hosting the CGS Conference 2020 in Calgary

The Calgary Geotechnical Society endeavours to bring together the geotechnical community in Calgary and to provide opportunities for students and professionals to continue to learn in their field. The CyGS will be working on a) putting together an organizing committee and making preliminary preparations for the 2020 CGS conference (if our application is selected), and b) increasing student/young professional participation by hosting special presentation/networking sessions.

Saskatoon Geotechnical Group
Annual Report July 1, 2015 to June 30, 2016

General

Name of CGS Section: Saskatoon Geotechnical Group

Date of report: September 14, 2017

Prepared by: David Elwood

Section Director: David Elwood

End of Term of Director: 2019

CGS website address: www.cgs.ca/section_saskatoon.php

Last time your Section's CGS website was updated: April 2015, with workshops. Website lists "Saskatchewan" Events, which causes some confusion between what's being offered in Regina and Saskatoon.

Executive Committee Members and their Affiliations (employers or, if students, universities)

President	Chad Salewich, <i>Cameco Corporation</i>
Past President	Erik Ketilson, <i>SRK Consulting (Canada) Ltd.</i>
Vice President	Kyle Cator, <i>Golder Associates Ltd.</i>
Treasurer	Adam Hammerlindl, <i>University of Saskatchewan</i>
CGS Section Director	Erik Ketilson, <i>SRK Consulting (Canada) Ltd.</i>
U of S Liaison	David Elwood, <i>University of Saskatchewan</i>
Workshop Coordinator	Jon Osback, <i>Clifton Associates Ltd.</i>
Social Coordinator * Communications	Vanessa Pay, <i>Golder Associates Ltd.</i>
U of S Student Liason	Bryce Marcotte

The SGG Executive met five times during the activity period.

Number of Section Members

Executive members: 9

Total members (if possible, student and non-student members): ~ 50 paid members annually; ~ 20 student members

Total CGS members (if possible student and non-student members): We do not track CGS members.

Section Finances

Balance (as of July 13, 2016): \$ 19,755.69

Does your Section charge its members an annual fee? Yes

If so, how much? \$30 (though we don't track or chase this fee)

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes (we have not explored this option).

Is your Section aware of the CGS Lecture Supplement Program (Awards Manual Section C-4)? Yes (we have not explored this option).

Did your Section sponsor a Student/MIT to attend the last CGS Annual Conference (Admin Manual App 12)? Yes (Jonathan Wong, Doyin Adesoka)

Is your Section planning to sponsor a Student/MIT to attend the next CGS Annual Conference? Yes

Comments:

- Jonathan Wong
- Bryce Marcotte and
- Haley Cunningham – all three are presenting papers at the conference

Annual Conference / Board of Directors Meeting

Are you planning to attend the GeoOttawa 2017? I will not be there, but Jonathan Osback will be there in my stead.

Activities			
Date	Speaker/Other	Topic/Subject	Attendance
September 28, 2016	Jonathan Wong and Doyin Adesoka	Presentation of their respective GeoVancouver papers	~35
November 15, 2016	Dr. Kerry Rowe	Engineered liners in Geoenvironmental Engineering: From landfills to mining applications	~90
April 4, 2017	Dr. Greg Siemens – Spring CCLT	Unsaturated Soil Mechanics: Bridging the Gap Between Research and Practice	~40
April 6, 2017	Dr. Dennis Becker	Workshop: Joint ACEC Worksop for Limit States Design	~90

Additional information or comments

Awards, Donations, and Events

- SGG Annual Scholarship – University of Saskatchewan: \$500.00

Regina Geotechnical Group
Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: 06 July 2017

Prepared by: Jasyn Henry

Section Director: Jasyn Henry

End of Section Director's Term: 2019

Last time your Section's CGS web page was updated: Early 2017

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Harpreet Panesar, *Ministry of Highways and Infrastructure*

Section Director: Jasyn Henry, *Clifton Associates Ltd.*

Program Director(s): Krystin Robinson, *SNC Lavalin*

Geoenvironmental Chair: Ryan Kozun, *Clifton Associates Ltd.*

Geohazards Chair: Bret Dundas, *Water Security Agency*

Linear Infrastructure Chair: Corey Gorrill, *TransGas*

Secretary: Anna Torgunrud, *JD Mollard and Associates*

Communication Director: Heather Duncan, *Clifton Associates Ltd.*

University Representative: Maki Ito, *University of Regina*

Past Chair: Darrell Mihial, *TetraTech*

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 10

Total members (if possible, student and non-student members): 40+

Total CGS members (if possible student and non-student members): 15+

Comments:

Section Finances (as of June 30, 2017)

Account balance \$39,300.76

Does your Section charge members an annual fee? No

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
26 OCT 16	Dr. Ross Boulanger	Evaluating liquefaction in finely interbedded sand, silt and clay deposits	28
10 Feb 17	Colin Hubick - WSP	Advanced UAV Technology for Geomatics and Inspection	35
22 March 17	Kei Lo – Water Security Agency	Groundwater Information at Water Security Agency (WSA)	37
11 April 17	Dr. Vaughan Griffiths	CROSS CANADA LECTURE TOURS - Risk Assessment in Geotechnical Engineering	47
18 May 2017	Matthew Dipple - SaskEnergy Kent Schoenroth - SaskEnergy	Geotechnical Program Overview - Provincial Prioritization and Last Mountain Lake	41

Manitoba Section
Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: July 15, 2017

Prepared by: Alena James

Section Director: Alena James

End of Section Director's Term: 2019

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

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Arjan Jianfar, *Hatch*

Past Chair: Wingkeat Wong, *Amec Foster Wheeler*

Vice Chair: N/A

Secretary: Jason Plohman, *SNC Lavalin*

Treasurer: Earl Marvin De Guzman, *University of Manitoba*

Program Director: David Anderson, *KGS Group*

Student Liaison: Dylan Stafford, *U of Manitoba*

Special Initiative Co-ordinator: Steve Harms, *Trek Geotechnical*

Webmaster: Position Vacant. New webmaster is being recruited for September 2017.

Special Events: David Flynn, *KGS Group*

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 7

Total members (if possible, student and non-student members): N/A

Total CGS members (if possible student and non-student members): 57

- Retired: 1
- Students: 11
- Regular: 45

Comments:

- The Manitoba Section will encourage individuals to purchase CGS memberships at the September 2017 presentation.

Section Finances (as of June 30, 2017)

Account balance \$53,947

Does your Section charge members an annual fee? No

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
September 28, 2016	Dr. Rob Kenyon, Ph.D., P.Eng., KGS Group	Passive Groundwater Depressurization System for Improving Road Embankment Stability, Case Study: Powerview Creek, Manitoba	58
September 28, 2016	Samuel Kaluzny, University of Manitoba	Pullout Resistance of Geotextiles With and Without Wicking Function	58
October 25, 2016	Dr. Ross W. Boulanger, University of California at Davis (Fall CCLT)	Liquefaction Effects on Piled Bridge Abutments: Centrifuge Tests and Numerical Analyses	21
November 25, 2016	Dr. Pooneh Maghoul, P.Eng., University of Manitoba	Heat Exchange Between the Ground and Shallow Foundations by Considering the Effect of Seasonal Frost	29
January 11, 2017	Dr. Hartmut Hollander, P.Eng., University of Manitoba	Contributing to Sustainable Groundwater Management using Regional Groundwater Recharge Estimation in Northern Climates	56
February 17, 2017	Rob Sinclair, P.Eng., KGS Group	Sustainable Geothermal Energy Developments	48
March 16, 2017	Ramli Halim, P.Eng., Hatch	Geotechnical Investigation in Arctic Environment	37
April 10, 2017	Dr. Vaughn Griffiths, Colorado School of Mines (Spring CCLT)	Risk Assessment in Geotechnical Engineering	39

Additional information or comments

- The Manitoba Section is considering developing a geo-referenced test hole database to update and enhance the existing information in the City of Winnipeg and provide a digital resource of subsurface information to geotechnical practitioners. The first step in this project is requesting that the City of Winnipeg participate by allowing consultants to submit the sub-surface information they gather on public projects within Winnipeg, to the Manitoba Section of the CGS.
- The Manitoba Section sponsored Mr. Rick Donnelly, P.Eng. of Hatch, to conduct a presentation in Thunder Bay titled "Design and Construction of the Owen Falls Embankments" in April 2017.
- The Annual CGS Manitoba Golf Tournament was held at the River Oaks Golf Course on June 8, 2017. Approximately \$4700 was raised for the Neil Burgess Memorial Scholarship at the University of Manitoba.

Thunder Bay Section Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: 2017-09-11

Prepared by: Wesley Saunders

Section Director: Wesley Saunders

End of Section Director's Term: 2018

Section's CGS web page address: www.cgs.ca/section_thunder_bay.php

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

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Wesley Saunders, *GKM Consultants*

Past Chair: Dr. Eltayeb Mohamedelhassan, *Lakehead University*

Vice Chair: vacant

Secretary: vacant

Treasurer: Mike Satten, *Ministry of Transportation Ontario*

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 3

Total members (if possible, student and non-student members): 8

Total CGS members (if possible student and non-student members): 10

Section Finances (as of June 30, 2017):

Account balance: \$215.70

Does your Section charge members an annual fee? No

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
2017-04-26	Richard Donnelly (Hatch Power)	The design and construction of the Owen Falls Embankments	12

Sudbury Section
Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: July 14, 2017

Prepared by: Andre Bom

Section Director: Andre Bom

End of Section Director's Term: Dec/17 (tentative, in discussions with possible successor)

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Andre Bom, *Golder Associates*

Past Chair: N/A

Vice Chair: N/A

Secretary: N/A

Treasurer: Adam Core, *Golder Associates*

North Bay Liaison/Support: Amy Adams, *Knight Piésold Ltd.* and Ryan Lyle, *Cementation Canada Inc.*

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 4

Total members (if possible, student and non-student members): 16

Total CGS members (if possible student and non-student members): 16

Section Finances (as of June 30, 2017)

Account balance \$100

Does your Section charge members an annual fee? no

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
Sept. 20/16	Dr. Peter Kaiser	Ground Support for Constructability of Deep Underground Excavations - Challenge of managing highly stressed ground in civil and mining project	~25
Nov. 22/16	Dr. Kerry Rowe	Engineered Liners in Geoenvironmental Engineering: from Landfills to Mining Applications	~25
Nov. 24/16	André Bom/Amy Adams	Meeting at North Bay restaurant to connect with the Sudbury Section (Northeast Section)	17
Mar 1/17	Teleconference	First executive meeting since relaunch	6
Mar 29/17	Teleconference	Second executive meeting since relaunch	5
Apr 17/17	Dr. Griffiths – CCLT in St. John's (by teleconference)	Finite Element Stability Analysis	2 (Sudbury) 1 (North Bay)
Apr 20/17	Dr. Griffiths – CCLT in Montreal (by teleconference)	Risk on Geotechnical Engineering	8 (Sudbury) 8 (North Bay)
May 17/17	Teleconference	Third executive meeting since relaunch	3

Additional information or comments

Again, thank you very much to Wayne and team including St. John's and Montreal sections for allowing live streaming of the April 17 and 20 CCLT.

London Section Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: July 13, 2017

Prepared by: Andrew Stewart

Section Director: Andrew Stewart

End of Section Director's Term: 2018

Last time your Section's CGS web page was updated: 2017 CSCE/CGS London page was updated

If your Section has a separate website, please provide address: www.csce-cgs-london.org

Is there a link from your Section's website to the CGS website? Yes

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair:	Stephanie Dalo, <i>AECOM</i>
Past Chair:	Trisha Wilbur, <i>University of Western Ontario</i>
Vice Chair:	Trisha Wilbur, <i>University of Western Ontario</i>
Secretary:	Brent Visscher, <i>Dillon Consulting Ltd.</i>
Treasurer:	Grant Strachan, <i>AECON</i>
Vice-treasurer:	John Gawley, <i>Dillon Consulting Ltd.</i>
Communications:	Azmi Hammoud, <i>Professor at Fanshawe College</i>
CGS Representative:	Andrew Stewart, <i>Englobe</i>
CSCE Ontario Region Treasurer:	Andy Turnbull, <i>MTO</i>
City Representative:	Paul Choma, <i>City of London</i>
Sponsorship Representative:	Stephanie Dalo, <i>AECOM</i>
Young Professionals Representative:	Tucker Morton, <i>Dillon Consulting Ltd.</i>
Faculty Representative:	Mike Bartlett and Jon Southen, <i>University of Western Ontario</i>
Graduate Student Representative:	Leanna King and Li Hao Zhang, <i>University of Western Ontario</i>

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 15

Total members (if possible, student and non-student members): approx. 300

Total CGS members (if possible student and non-student members): approx. 40

Section Finances (as of June 30, 2017)

Account balance \$15,755.93

Does your Section charge members an annual fee? No

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
Sept 21, 2016	Nick Larson, P.Eng.; GM Blueplan Engineering Ltd.	CSCE National Infrastructure Report Card	Approx. 30
October 19, 2016	Dan Pickel, P. Eng.; University of Western Ontario	Achieving Long Life Pavement through Better Design, Construction and Maintenance.	Approx. 30
November 16, 2016	Clare Robinson, Ph. D., P.Eng.; University of Western Ontario.	Assessment of Stormwater Management Performance of Green Roofs.	Approx. 30
January 18, 2017	Tom Davies, P.Eng., LEED AP BD+C; Fanshawe College	The Climate Reality Project	Approx. 30
February 15, 2017	Paul Choma, P. Eng.; City of London	The Burbrook Storm Trunk Sewer Tunnel.	Approx. 30
March 15, 2017	Bryanne Wouters P. Eng., and Christopher Moon, P. Eng., AECOM	Sarnia Road Bioretention – A Low Impact Development Solution	Approx. 30
April 19, 2017	Sabrina Stanlake – Wong, P.Eng.; Dillon Consulting Limited	My Dundas Place Flexible street Class Environmental Assessment.	Approx. 30

Additional information or comments

Our section is actively planning for the next year's program and will consist of a similar schedule. We plan on having the CGS CCLT as our big ticket presentation and will be promoting this event once the CCLT is confirmed.

Southern Ontario Section (Toronto Group) Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: August 2017

Prepared by: Andrew Drevininkas

Section Director: Andrew Drevininkas

End of Section Director's Term: December 2017

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

If your Section has a separate website, please provide address: www.cgs-sos-toronto.com

Is there a link from your Section's website to the CGS website? Yes

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Masoud Manzari, *Thurber Engineering*

Past Chair: Mark Tigchelaar, *GeoSolv Design/Build*

Vice Chair: n/a

Secretary and Communication: Tomasz Zalucki, *Golder Associates*

Treasurer: Olta Kociu, *MTO*

Sponsorship: Jason Bindseil, *EBS Geoststructural*

Membership and Awards: Jason Crowder, *Terraprobe*

Student Liaison: Dipanjan Basu, *University of Waterloo*

Special Event Coordinator: Shahriar Mirmirani, *Reinforced Earth Company*

Event Coordinator: Harry Gharegrat, *Peto MacCallum*

Event Coordinator: Farsheed Bagheri, *SNC Lavalin*

Event Coordinator: Naeem Ehsan, *WSP Canada*

Student Member: Kate Barclay

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 13

Total members (if possible, student and non-student members): ~300

Total CGS members (if possible student and non-student members): ~300

Section Finances (as of June 30, 2017)

Account balance \$44,077.64

Does your Section charge members an annual fee? No

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
August 5 th	None	Annual Golf Tournament	129
September 21 st	Dr. Rashid Bashir	Climate Change and its Effect on Geo-Engineering Practice	91
October 19 th	Dr. Ross Boulanger	CCLT: Liquefaction and Spatial Variability	120
November 16 th	Lucy Clatworthy	Jet Grouting in Glacial Deposits – Challenges and Achievements	155
December 8 th	Dr. Christopher Hart	The Power of Breakthrough Thinking in Geotechnical Services	200
January 18 th	None	Student Competition	44
February 22 nd	Dr. Michele Jamiolkowski	Soil Mechanics and The Observational Method – 2013 Rankine Lecture	122
March 28 and 29 th	Dr. Andy Take Dr. Greg Siemens Andrew Drevininkas Moranne McDonnell Ali Ahirazi	Two Day Workshop on Slope Stability	81

	Dr. Jim Collin David Wood Phil Perzia		
April 20 th	Dr. Vaughan Griffiths	Risk Assessment in Geotechnical Engineering	110
May 17 th	Doug VanDine	Geotechnical Consulting... It's Only Common Sense After You Make a Few Mistakes	258

Additional information or comments

- Section proceeding with incorporation of CGS-SOS
- Settlement Competition carried out in December 2016
- 13th Annual CGS-SOS Award – Dave Dundas

Kingston Section Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: September 15, 2017

Prepared by: Dylan Hill

Section Director: Dylan Hill

End of Section Director's Term: 2019

Last time your Section's CGS web page was updated: 2016 by national

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Dylan Hill, *SNC-Lavalin*

Past Chair: Nicholas Vlachopoulos, *RMC*

Vice Chair: Vacant

Secretary: Vacant

Treasurer: Maria Skordaki, *RMC*

Shane Dunsan, *GHD*

David Hodgson, *Malroz Engineering Inc.*

Martin Burger, *Groundwork Engineering Ltd.*

Jane Peter, *Queen's University*

Ioannis Vazaios, *Queen's University*

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 8

Total members (if possible, student and non-student members): ~110

Total CGS members (if possible student and non-student members):

Section Finances (as of June 30, 2017):

Account balance \$ ~13,500.00

Does your Section charge members an annual fee? No

Comments:

- Funds are raised through corporate sponsorship

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
July 13, 2016	N/A	Exec. Committee meeting	5
October 21, 2016	Dr. Dross Boulanger	Liquefaction and Spatial Variability	40
March 1, 2017	Student Paper Competition	41 st Annual Michael Bozozuk Student Forum	~50
May 3, 2016	N/A	Exec. Committee meeting	6
June 20, 2017	Neil S. Abbott, Louis-Pierre Gregoire – Gowling WLG	Soil, Toil and Trouble: the 60 minute lawsuit	29

Ottawa Geotechnical Group
Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: July 08, 2017

Prepared by: Mohammad Rayhani

Section Director: Mohammad Rayhani

End of Section Director's Term: Dec. 2017

Last time your Section's CGS web page was updated: May 2017

If your Section has a separate website, please provide address: www.ottawageotechnicalgroup.ca

Is there a link from your Section's website to the CGS website? Yes

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Julio Infante Sedano

Past Chair: Paul Simms

Vice Chair: -

Secretary: Bruce Campbell

Exec. Member: Sean Sterling

Exec. Member: Clive Kamichaitis

Exec. Member: Mamadou Fall

Exec. Member: Nell van Walsum

Advisor: Gerry Webb

Treasurer: Matt Kennedy

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 9

Total members (if possible, student and non-student members): 100

Total CGS members (if possible student and non-student members): 60

Comments:

Section Finances (as of June 30, 2017)

Account balance \$18,000 (\$5000 cash, \$13000 GIC)

Does your Section charge members an annual fee? Yes

If so, how much? \$25

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
Sep. 29, 2016		Fall Social Event: Tour of Big Rig Brewery	30
Oct. 24, 2016	Dr. Ross Boulanger	Evaluating liquefaction in finely interbedded sand, silt and clay deposits	50
Nov. 16, 2016	Dr. Shawn Kenny	Integrate Engineering Framework Supporting Performance Assessment of Linear Infrastructure Subject to Geohazards	45

Dec. 14, 2016	Dr. Mohammad Rayhani	Recent Research on Leda Clay: An Overview of Recent Studies Conducted on Leda Clay in the Gloucester Research Site	60
Feb. 21, 2017	Kevin Cover, Sean Sterling, Paul Hurst, Paul Stacey	City of Ottawa Geoscience Information Management System (GIMS) Project	50
Mar. 01, 2017		41 st Annual Michael Bozozuk Student Forum	
Apr. 21, 2017	Dr. Vaughan Griffiths	Risk Assessment in Geotechnical Engineering	55
May 17, 2017	Dr. David Gordon	Town and Crown- An Illustrated History of Canada's Capital	50

Section régionale Ouest du Québec
Rapport Annuel 1 juillet 2016 au 30 juin 2017

General

Date of this report: July 14, 2017

Prepared by: Dany Brault

Section Director: Yannic Ethier

End of Section Director's Term: December 2017

Last time your Section's CGS web page was updated: 2017

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair:	Francois Duhaime, <i>École de technologie supérieure</i>
Vice Chair:	Alain Plaisant, <i>IRME Polytechnique Montreal</i>
Director:	Yannic Ethier, <i>École de technologie supérieure</i>
Treasurer:	Dany Brault, <i>GHD</i>
Communication:	Bibiana Narvaez, <i>Ministère des Transports du Québec</i>
Administration :	Philippe Legault-Capozio, <i>NCL Envirotek</i>
Secretary:	Frederick Bolduc, <i>Agnico Eagle</i>
Program:	Gholamreza Saghaee, <i>McGill</i>
Student member:	Simon-Pierre Tremblay, <i>Sherbrooke University</i>
Advisor:	Michael James, <i>Polytechnique Montreal</i>

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 10

Total members (if possible, student and non-student members): 117 (16 students)

Total CGS members (if possible student and non-student members):

Comments:

- A small financial contribution is requested from members in order to cover the costs of guest speakers and related expenses.
- Several members of the local section are also members of the Canadian Geotechnical Society.
- McGill University generously supported the local organization by providing a conference room for most activities
- ETS provided the room for the spring CCLT.

Section Finances (as of June 30, 2017)

Account Balance: 30 967.36 \$

Does your Section charge members an annual fee? Yes

If so, how much?

Individual Member: 35,00 \$ (early membership: 30\$)

Student Member: 0 \$

Corporate Member (5 to 20 registrations): 30,00 \$/ person (early membership: 25\$/person)

Corporate Member (more than 20 registrations): 25,00 \$/ person (early membership: 20\$/person)

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
Oct. 18 th	Ross W. Boulanger	CCLT – Liquefaction and spatial variability	60
Nov. 10 th	A. P. S. Selvadurai	Geohazards: Geomechanics implications and impacts	30
Dec. 6 th	Richard Brachman	Physical response of landfill geosynthetics	20
Fev. 7 th	Bruno Bussière	Principaux défis géoenvironnementaux liés à la restauration minière	40
Mar. 30	Branko Ladanyi contest	Winner : Louis-Philippe Grimard (École Polytechnique)	30
Apr. 20 th	Vaughan Griffiths	CCLT – Risk assessment in geotechnical engineering	40
May 24 th	François Tremblay	Conception et suivi de la performance des puits de décharge dans la fondation granulaire de la digue Moncouche	25
June 8 th	Guy Doré	Interaction charges lourdes, climat et chaussées – les retombées de huit ans de recherche dans le cadre de la Chaire du CRSNG I3C	90

General

Date of this report: August 10, 2017

Prepared by: Ariane Locat

Section Director: Ariane Locat

End of Section Director's Term: 2018

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

If your Section has a separate website, please provide address: We have a Facebook page SCG-Est Québec

Is there a link from your Section's website to the CGS website? No

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Janelle Potvin, *Ministère des Transports, de la Mobilité durable et de l'Électrification des transports (MTMDET)*

Incoming Chair as of September 1st: Julie Therrien, *MTMDET*

Past Chair: Janelle Potvin, *MTMDET*

Vice Chair: n/a

Secretary: Julie Therrien, *MTMDET*

Incoming Secretary: To be determined

Treasurer: Alexis Fortin and Thomas Fournier, *MTMDET*

Members: Sarah Bouchard, student, *Université Laval*
Vincent Castonguay, student, *Université Laval*
Catherine Cloutier, *Université Laval*
Jean Côté, *Université Laval*
Olivier Juneau, *LEQ*
Maxine Lacroix, *Englobe*
Jonathan Leblanc, *SNC-Lavalin-Québec*
Ariane Locat (Section Director), *Université Laval*
Valérie Michaud, *SNC-Lavalin-Saguenay*
Pierre-Oliver Maltais, *WSP*
Sandra Veillette, student, *Université Laval*

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 15

Total members (if possible, student and non-student members): 320

Total CGS members (if possible student and non-student members): 73 (including 25 students)

Section Finances (as of June 30, 2017)

Account balance \$ 28 563.84

Saving account balance \$ 90 000

Total \$ 118 638.84

Does your Section charge members an annual fee? No

Comments:

- Donation of \$ 10 000 to the CFG in February 2017

Section Activities, July 1, 2016 to June 30, 2017

Date	Speaker/Other	Topic/Subject	Attendance
9 sept. 2016	Jean-Marie Konrad	Dimensionnement et analyse des digues en enrochement: passé, présent et futur	70
19 oct. 2016	CCLT - Ross Boulanger	Evaluating liquefaction in finely interbedded sand, silt and clay deposits	45
26 oct. 2016	Guy Doré – Presentation organized with local Canadian Society for Civil Engineering Section	Le développement en milieux de pergélisol : enjeux et solutions	40
10 nov. 2016	Daniel Verret	Gestion des ouvrages en remblai de 1 ^{ère} génération	43
6 déc. 2016	Lukas Arenson	Permafrost in the Arid Andes	25
12 déc. 2016	Student presentations – Manuel Malenfant, Simon Dumais et Hubert Michaud	Conductivité hydraulique d'un till compacté possédant un faible pourcentage de particules argileuses; Outils de calcul pour l'évaluation de la consolidation au dégel du pergélisol; L'essai de cisaillement annulaire à volume constant sur les argiles sensibles : voir au-delà de la rupture	19

16 janv. 2017	Jacques Locat	Le glissement rocheux du 19 septembre 1889 le long de la rue Champlain à Québec : une catastrophe annoncée par Charles Baillairgé	58
16 fév. 2017	Serge Leroueil – Recording of the ISSMGE Webinar	Compressibility and consolidation of clays: from labo to field conditions	24
27 fév. 2017	Michèle Allard	L'Aéroport d'Iqaluit: Caractérisation et analyse de la sensibilité au changement climatique d'une infrastructure de transport majeure	33
23 mar. 2017	Vincent Fournier	Conception et construction de remblais renforcés mécaniquement aux approches d'un pont d'étagement ferroviaire	32
4 avr. 2017	Serge Leroueil – Presentation organized with local Canadian Society for Civil	On peut faire mieux	50
20 avr. 2017	Vaughan Griffiths – Spring CCLT	Risk Assessment in Geotechnical Engineering	23
8 juin 2017	5@7 Reconnaissance		23

Additional information or comments

- Donation of \$ 10 000 to the CFG in February 2017
- Scholarships/grants given by Section régionale de l'Est du Québec to help students and young professionals to attend conference and short courses:
 - \$ 1 200 cYGEGC scholarship given to Hubert Michaud, MSc student at Université Laval
 - \$ 900 Prix Pierre Larochelle 2016 given to Simon Dumais, PhD student at Université Laval (sponsored student to attend GeoVancouver)
 - \$ 500 CFC1 2016 scholarship given to Eva Stephanie
 - \$ 500 CFC2 2016 scholarship given to Manuel Malenfant-Corriveau
 - 3 x \$ 1 000 IWLSC 2017 to Karine Bélanger, Julie Therrien and Sarah Bouchard (sponsored students and young professionals to attend the International Workshop on Landslides in Sensitive clays in Trondheim)

New Brunswick Section
Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: September 11, 2017

Prepared by: Benjamin McGuigan

Section Director: Benjamin McGuigan

End of Section Director's Term: Dec 31, 2017

If your Section has a separate website, please provide address:

Is there a link from your Section's website to the CGS website? Yes

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Benjamin McGuigan, *GEMTEC Limited, Fredericton*

Past Chair: Hany El Nagggar, *Dalhousie University, Halifax*

Vice Chair: Christopher McQueen, *Stantec, Moncton*

Secretary: Christiane Levesque, *Measurand Inc., Fredericton*

Treasurer: Rochelle Staples, *Stantec, Saint John*

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 4

Total members (if possible, student and non-student members): 18

Total CGS members (if possible student and non-student members): 18

Section Finances (as of June 30, 2017)

Account balance \$528.61

Does your Section charge members an annual fee? No

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
18 Apr 2017	Vaughn Griffiths (CCLT)	Risk Assessment in Geotechnical Engineering	20

Nova Scotia Section
Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: July 15, 2017

Prepared by: Sheri Burton

Section Director: Sheri Burton

End of Section Director's Term: December 31, 2019

Last time your Section's CGS web page was updated: Under construction

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Sheri Burton, *Golder*

Past Chair: James Mitchell, *Stantec*

Vice Chair: Ilia Wainshtein, *AMEC Foster Wheeler*

Secretary: TBD (Scott Munro (*BGC*) in interim)

Number of Section Members (as of June 30, 2017)

Executive Committee Members:	4
Total members (if possible, student and non-student members):	45
Total CGS members (if possible student and non-student members):	30

Section Finances (as of June 30, 2017)

Account balance	\$19,900
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Does your Section charge members an annual fee?	no
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Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
Oct. 17/17	Dr. Ross Boulanger	CCLT- Liquefaction and Spatial Variability	15
Jul. 13/17	Prof. CD Hills	Manufactured Carbonated Aggregates: Update on Commercialisation	15

Additional information or comments

- Bi-monthly meetings of the executive committee taking place with a mandate to encourage growth in membership by reaching out to inactive members and bringing in new members by promoting geotechnique in the region.

St John's NL Section
Annual Report July 1, 2016 to June 30, 2017

General

Date of this report: August 11, 2017

Prepared by: Rajib Dey

Section Director: Rajib Dey

End of Section Director's Term: Decembre 2019

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Dr. Rajib Dey

Past Chair: Sylvia Dooley

Vice Chair: N/A

Secretary: N/A

Treasurer: Tim Park

Add. Representative: Dr. Kenton Pike

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 3

Total members: Student: 30 Non-students 30

Total CGS members: 20~25 APPRX.

Comments:

- Approximately 80 names on email list, average 30 have attended any CGS section event since September 2016. Events typically attended by students and committee members, C-CORE employees, Faculties and few industry people.

Section Finances (as of June 30, 2017):

Account balance: \$ 229.29

Does your Section charge members an annual fee? no

Section Activities, July 1, 2016 to June 30, 2017			
Date	Speaker/Other	Topic/Subject	Attendance
August 24 – August 28, 2016	Dr. Ariane Locat visits St John's	Talk on "Spreads in Eastern Canadian Sensitive Clays"	31

Dec 15, 2016	Prof. Mark Cassidy	CGS Lunch & Learn talk on “Combined Loading of Offshore Foundations”	23
Geo St John's 2019	Local CSG members	Meeting to forming local organizing committee and making decision on various things such as venue selection, conference management firm selection etc.	
March 20, 2017	Dr. Greg Siemens	29th CGS Colloquium; “Unsaturated soil mechanics: bridging the gap between research and practice”	70 (in person)
April 17, 2017	Prof. Vaughan Griffiths	CGS Spring Cross Canada Lecture Tour 2017; “Finite Element Stability Analysis”	40 (in person); many online
April 20, 2017	Prof. Vaughan Griffiths	CGS Spring Cross Canada Lecture Tour 2017; “Risk Assessment in Geotechnical Engineering”	25 (online)
June 15, 2017	Student Presentations	Student presentations, selection of candidate to sponsor for GeoOttawa	18 (in person)

TECHNICAL DIVISION REPORTS

Technical Divisions Representative Summary Annual Report – Richard Brachman July 1, 2016 to June 30, 2017

General

Date of report: September 17, 2017

Prepared by: Richard Brachman (RB), CGS Division Representative

End of Term: December 31, 2017

Reports

Number of divisions that reported: 7

Number of non-reporting divisions: 0

General comments about division's reports and format: Effective format. Good communication of activity.

Websites

How many division websites on CGS website require updates? 6

How many divisions have their own websites? 1

General comments regarding the CGS website and/or individual Division websites: New draft template for Division websites has been developed.

Finances

How many divisions report their finances? 6

General comments about finances: Three divisions with balances Cold Regions, Engineering Geology and Rock Mechanics Division. See individual reports for details.

Division is affiliated with which other organizations

General comments about membership and activities: All Divisions active.

Each Division of the CGS is affiliated with an International counterpart, as detailed below:

- | | |
|----------------------------------|---|
| • Cold Regions Geotechnology | International Permafrost Association (IPA) |
| • Engineering Geology | International Association of Engineering Geology (IAEG) |
| • Geoenvironmental | International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE) |
| • Geosynthetics | IGS – North America (IGS-NA; formerly NAGS) |
| | International Geosynthetics Society (IGS) |
| • Groundwater | International Association of Hydrogeologists (IAH-CNC) |
| • Rock Mechanics | International Society of Rock Mechanics (ISRM) |
| • Soil Mechanics and Foundations | International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE) |

In addition, many of the Divisions are also affiliated with other National and International technical bodies with whom there are various interactions during the course of the year.

Additional Information or Comments

Divisions are active and strong. Expression of gratitude to all Division leaders.

Cold Regions Geotechnology Division Annual Report July 1, 2016 to June 30, 2017

General

Date of report: September 18, 2017

Prepared by: Jack Seto

Division Chair: Jack Seto

End of Division Chair's Term: Dec. 31, 2019

Last time your Division's CGS web page was updated: March 1, 2017

1) What is the mission statement, or main purpose, of your Division? (This is something that we can publish on your Division's web page)

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, 2017 to June 30, 2018).

- Assist the local organizing committee of GeoOttawa2017 on the Cold Regions theme of the conference.
- Support an International short course on permafrost engineering, Edmonton, AB.
- Initiate application for hosting the 2024 International Conference on Permafrost in Canada

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Jack Seto, *BGC Engineering Inc., Edmonton, AB*

Past Chair: Baolin Wang, *Natural Resources Canada, Ottawa, ON*

Vice Chair: n/a

Secretary: n/a

Members: Marolo Alfaro, *University of Manitoba, Winnipeg, MB*

Simon Dumais, *Université Laval, Québec City, QC*

Ed Hoeve, *HoEvEng Consulting Ltd., Yellowknife, NT*

Julie Lepage, *Université Laval, Québec City, QC*

Maritz Rykaart, *SRK Consulting, Vancouver, BC*

Number of Division Members (as of June 30, 2017)

Executive Committee Members: 7

1st Choice members: 127

2nd Choice members: 249

Division is affiliated with which other organizations

National affiliates (e.g. CARMA for the Rock Mechanics Division) and names of CGS representatives

- Canadian National Chapter for International Permafrost Association (CNC-IPA), represented by Ed Hoeve on the Executive Committee of CNC-IPA who is also an Executive member of the Cold Regions Geotechnology Division (CRGD).

North American affiliates (e.g. AEG for the Engineering Geology Division) and names of CGS representatives

- N/A

International affiliates (e.g. IGS for the Geosynthetics Division) and names of CGS representatives

- International Permafrost Association, represented by Lukas Arenson, Richard Fortier on Permafrost Engineering Interest Group

Division Finances (as of June 30, 2017)

Account Balance: \$12,776

Division Activities in past year (July 1, 2016 to June 30, 2017)

- Two of the Division's Executive Committee members (Lukas Arenson and Baolin Wang) were on the board of the Technical Committee for the development of a National Standards of Canada on Geotechnical Site Investigations for Building Foundations in Permafrost (CAN/BNQ 2501-500), lead by BNQ, an initiative of the Standard Council of Canada. The document was published in February 2017. Division members were invited to review and provide input to the Standards.
- Awarded the Roger JE Brown Award to Dr. Guy Dore, Université Laval, at GeoVancouver 2016, October 2016.

Engineering Geology Division Annual Report July 1, 2016 to June 30, 2017

General

Date of report: 15 July 2017

Prepared by: Nicholas Vlachopoulos

Division Chair: Nicholas Vlachopoulos

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

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

Last time your Division's CGS web page was updated: March 2017

If your Division has a separate website please provide address: No

Is there a link from your separate Division website to the CGS website?: No

1) List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during 2017?

- Engineering Geology session at GeoOttawa
- Have an on-line CGS Engineering Geology of Canada monograph started and populated
- Work on an CGS Engineering Geology Webpage and other social media initiatives
- Engage more youth and get them involved in the Executive and Divisional activities

Current (as of June 30, 2017) 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: Karine Champagne, *HydroQuebec, Quebec*
Anna Torgunrud, *Mollard Assoc, Saskatchewan*
Renato Macciotta, *University of Alberta, Alberta*
Andrew Peach, *Golder Assoc. Ltd, Newfoundland*

Number of Division Members (as of Dec 31, 2016)

Executive Committee Members: 7

1st Choice members: 120

2nd Choice members: 350

Comments:

- 1st choice members stayed the same from 2016
- 2nd choice members up by 43 from 2016

Division is affiliated with which other organizations

- National affiliates: -Association of Geohazard Professionals www link added to EGD page
- www.geohazardassociation.com/
- Canadian Federation of Earth Scientists (CFES) (Nicholas Vlachopoulos, CGS Representative)
- North American affiliates: - AEG for the Engineering Geology Division www.aegweb.org/
- Environmental and Engineering Geology Division GSA www.geosociety.org/egd/

- International affiliates: - IAEG - CGS representatives – Canada (Nicholas Vlachopoulos, National Representative)
- IAEG VP for North America (tbd) for start in 2018 – Dr. Jean Hutchinson named as IAEG VP as determined by the National CGS Executive.

Comments:

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

Division Finances (as of June 30, 2017)

Account Balance: \$8,836.00.

Comments:

- Selected funding toward on-line arrangement of Engineering Geology in Canada website /on-line Monograph to be considered in 2017
- Funding for young members initiatives also to be considered in 2017/18

Division Activities in past half year (July 1, 2016 to Dec 31, 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.
- Mr. Andrew Peach, Golder Assoc. Ltd, Newfoundland, joined the executive committee of the EGD
- Dr. Matthias Jakob, Principal Geoscientist at BGC Engineering Inc. was awarded the Thomas Roy Award for 2016 at the CGS annual conference in Vancouver in October 2016. Dr. Matthias Jakob has made major contributions to engineering geology. He has been instrumental in pioneering, promoting and practical application of risk management methods with respect to landslide and flooding hazards in Western Canada. More information can be seen here: bgcengineering.ca/meet_our_experts.html
- EGD provided a nomination and voted on a winner of the 2017 Schuster Award. It was won by an American this year. Had discussions with Rock Hazards Division in terms of whether or not to alternate between Canadian and American winners each year. More discussions to follow.
- Dr. Jean Hutchinson from Queen's University was named as IAEG VP North America as determined by the National CGS Executive.
- A joint session was planned and conducted at GeoVancouver along with Professional Practices Committee (PPC) at GeoVancouver. It included the following speakers: Suzanne Lacasse, Doug Van Dine, Peter Quinn, Matt Lato, and Matthias Jakob; relevant speakers within EGD and within practice. This was organized and chaired by the EGD Chair and Suzanne Powell (PPC Chair) in conjunction with GeoVancouver organizers.
 - The session was extremely well attended and well received
- During the EGD Executive meeting at the annual GCS Conference in Vancouver the following were discussed (agenda):
 - Minutes of GeoQuebec EGD Meeting 2015
 - Presentation of EGD Annual Report
 - Collaboration with other CGS Divisions / Committees

- Engineering Geology Related Conferences 2016-17
 - Engineering Geology Session and Professional Practice – Background and Planning
 - Ideas – future Workshops (i.e. Engineering Geology in Canada workshop)
 - Discussion of new Vice-Chair of EGD and solicitation for additional executive members
 - Initiatives to increase visibility and profile
 - Monograph – Geological Engineering in Canada – Status Update / input
 - Canadian Foundation of Earth Sciences (CFES) affiliation
- The EGD Executive meeting was attended by 10 individuals
 - Publishers were 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. As a result of the discussions at the EGD Executive meeting at GeoVancouver, it was decided to go on-line with this initiative.
 - The EGD www page was updated to include links to further Engineering Geology related societies and to upcoming Engineering Geology events.
 - Upcoming IAEG events and conferences can be seen at: www.iaeg.info. An Outstanding Project for 2018 will be selected from nominations submitted in January 2018 for presentation at the AEG Annual Meeting in San Francisco.
 - 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. Due to his obligations during the conference, he was not able to attend the meeting – this was determined at the time of the conference. Follow-up was conducted with the executive.
 - EGD Chair spoke to IAEG VP, Jeff Keaton in order to determine what was missed at the IAEG Council Meeting in Cape Town.
 - Working closely and have a CGS representative with the Canadian Federation of Earth Scientists (CFES). The current Chair, Nicholas Vlachopoulos is the CGS Representative and was renewed in this capacity by incoming president of CGS. The CFES Annual General Meeting was conducted in April at Université Ottawa, Ottawa, ON. The CFES website is: earthsciencescanada.com/cfes/. The EGD Chair is planning to attend the CFES AGM. He also spoke with the CFES rep at GeoVancouver. Minutes from the CFES AGM were sent to the CGS Executive after the meeting for their record and consideration.
 - EGD provided the GeoOttawa technical committee with a comprehensive list of reviewers for papers – many from list chosen for this purpose.
 - EGD Executive was/is involved in the Eurock 2016 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).
 - 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.

- Multiple advertisements were included within Geotechnical News soliciting input for the Engineering Geology monograph. Have had limited responses to date (1). Will be more aggressive in terms of solicitation.
- EGD Chair helped organize the CGS Kingston CGS Bozozuk Student Forum 2017 in March 2017. This annual graduate student competition involves the Royal Military College of Canada, Queen's University, Carleton University and the University of Ottawa. It was hosted by RMC, Kingston this year and won by RMC Grad Student Lt Daniel Cruz: www.thewhig.com/2017/03/05/rmc-students-research-solid-as-a-rock-bolt.

Additional information or comments

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

Geoenvironmental Division **Annual Report July 1, 2016 to June 30, 2017**

General

Date of report: July 17, 2017

Prepared by: Craig Lake

Division Chair: Craig Lake

End of Division Chair's Term: December 31, 2017

Last time your Division's CGS web page was updated: March 2017

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

To be developed by next chair

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, 2017 to June 30, 2018).

Finding a new chair for the division

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair:	Craig Lake, <i>Dalhousie University</i>
Past Chair:	Myint Win Bo
Vice Chair:	Magdalena Krol, <i>York University</i>
Secretary:	Mamadou Fall, <i>University of Ottawa</i>
Member At Large:	Catherine Mulligan, <i>Concordia University</i>
Ex-officio member:	Tim Newson, <i>Western University</i>
Ex-officio member:	Paul Simms, <i>Carleton University</i>
Ex-officio member:	Richard Brachman, <i>Queens University</i>

Number of Division Members (as of June 30, 2017)

Executive Committee Members:

1st Choice members: 90

2nd Choice members: 250

Division is affiliated with which other organizations

None

Division Finances (as of June 30, 2017)

Account Balance: \$0

Division Activities in past year (July 1, 2016 to June 30, 2017)

- Paper reviews and session organization for GeoOttawa
- Promotion of various geoenvironmental events

Geosynthetics Division
Annual Report July 1, 2016 to June 30, 2017

General

Date of report: July 15, 2017

Prepared by: Richard Brachman

Division Chair: Richard Brachman

End of Division Chair's Term: December 31, 2017

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

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

The Geosynthetic Division aims to provide forums to advance the education, research and practice on geosynthetics for CGS Members.

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, 2017 to June 30, 2018).

- i. Offer short-course on geosynthetics at GeoEdmonton conference.
- ii. Encourage geosynthetics content and activity at GeoEdmonton conference.
- iii. Strengthen relationship with IGS-North America.
- iv. Recruit new executive.

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Richard Brachman, *Queen's University*
Past Chair: Kerry Rowe, *Queen's University*
Vice Chair: Craig Lake, *Dalhousie University* (coordination with Geoenvironmental Division)
Liaison with IGS-NA: Bruno Herlin, *Terraflux Geosynthetics*

Number of Division Members (as of June 30, 2017)

Executive Committee Members:

1st Choice members: 61

2nd Choice members: 215

Division is affiliated with which other organizations

National affiliates (e.g. CARMA for the Rock Mechanics Division) and names of CGS representatives

- None.

North American affiliates (e.g. AEG for the Engineering Geology Division) and names of CGS representatives

- IGS – North America (IGS–NA; formerly known as NAGS): Bruno Herlin

International affiliates (e.g. IGS for the Geosynthetics Division) and names of CGS representatives

- International Geosynthetics Society (IGS)

Comments (point form)

- IGS – North America has created a non-voting Liaison position for CGS on the IGS–NA Board of Directors

Division Finances (as of June 30, 2017)

Account Balance: \$0

Comments:

- No current plans to generate money in the next CGS year.

Division Activities in past year (July 1, 2016 to June 30, 2017)

- Held Division meeting at GeoVancouver.
- Offered short-course for GeoVancouver; instructors: R. Bathurst (RMC) and R. Brachman (Queen's)
- Selected and presented Geosynthetics Award to Prof. Hesham ElNaggar, Western University for an outstanding technical contribution on geosynthetics communicated via a scholarly publication. Prof. ElNaggar was selected for his novel contribution on the lateral and seismic response of geosynthetic-reinforced pile-foundation systems where polymer strips are used to enhance the pile foundation as demonstrated in two publications in the journal *Geosynthetics International* (Taha et al. 2014, 2015).
- Reviewed papers for GeoOttawa.

Groundwater Division
Annual Report July 1, 2016 to June 30, 2017

General

Date of report: July 26, 2017

Prepared by: Frank Magdich

Division Chair: Frank Magdich

End of Division Chair's Term: Dec. 31, 2017

Last time your Division's CGS web page was updated: Jan. 2017

1) The GWD has the mandate to promote and facilitate the advancement, exchange and transfer of knowledge, skills and experience in the fields of groundwater engineering and technology for the benefit of CGS members and the geotechnical, hydrogeological and geoenvironmental professions.

2) The GWD will continue to cooperate with the IAH-CNC to identify possible joint industry event activities.

Specifically, the GWD looks forward to joint participation in the 2017 and 2018 annual CGS meetings.

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Frank Magdich, *Oak Environmental Inc.*

Past Chair: Tia Wong, *SAIT Polytechnic*

Vice Chair: Vacant

IAH-CNC Liaison: Diana Allen, *Simon Fraser University*

Number of Division Members (as of June 30, 2017)

Executive Committee Members: 3

1st Choice members: 34

2nd Choice members: 173

- Comments: Total number of members down slightly from last year

Division is affiliated with which other organizations

The GWD is affiliated with the Canadian National Chapter of the International Association of Hydrogeologists (IAH-CNC). The GWD chair is a non-voting member of the Executive of the IAH-CNC and, likewise, the chair of the IAH-CNC is a non-voting member of the Executive Committee of the GWD. The principal joint activity of the GWD and the IAH-CNC has often been the previous organization of Joint CGS and IAH-CNC Conference. In the near future there will be a joint CGS and IAH-CNC Conference in 2017 in Ottawa and in 2018 in Edmonton. The CGS shares the Robert N. Farvolden Award with the IAH-CNC which involves the review and selection of the Farvolden Award winner.

Division Finances (as of June 30, 2017)

Account Balance: \$ 0.00

- There are no restricted or separated funds for the Groundwater Division in the CGS national funds

Division Activities in past year (July 1, 2016 to June 30, 2017)

- The Groundwater Division of CGS has the mandate to promote and facilitate the advancement, exchange and transfer of knowledge, skills and experience in the field of hydrogeology for the benefit of CGS members and the geotechnical and geoenvironmental professions.
- A specific goal for the division has been to achieve better liaison and cooperation with IAH/CNC. There were discussions and agreement to better align the language used by each organization with respect to the joint Farvolden Award.
- The GWD chair, Frank Magdich, continued the efforts for close affiliation with IAH-CNC. Frank Magdich is currently the Alberta representative of the IAH-CNC.

Additional information or comments

- The GWD is seeking members with an interest to join the Executive. Contact Frank Magdich for more information.

Rock Mechanics Division Annual Report July 1, 2016 to June 30, 2017

General

Date of report: August 30, 2017

Prepared by: Sam Proskin

Division Chair: Sam Proskin

End of Division Chair's Term: December 31, 2017

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

Last time your Division's CGS web page was updated: January 2015

If your Division has a separate website please provide address: www.carma-rocks.ca/

Is there a link to the CGS website?: yes

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

To develop, maintain and promote communications and cooperation between practitioners of rock mechanics and geotechnical rock engineering. It provides its members with opportunities to present the results of professional activities by organizing events and activities to facilitate knowledge, experience and information transfer and exchange. It also provides its members with opportunities to upgrade and update their professional knowledge and skills.

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, 2017 to June 30, 2018).

Long term planning for the next Canadian Rock Mechanics Meeting

Finding opportunities to fund students and young professionals for conference papers through CARMA

Finding a Vice-Chair to succeed as Chair for RMD

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair:

Past Chair: Jim Hazzard, *ITASCA Consulting Group*

Vice Chair: vacant

Secretary: vacant

Chris Hawkes, *University of Saskatchewan*

Thomas Lardner, *University of Western Ontario*

Silvana Micic, *EXP*

Derek Kinakin, *BGC Engineering*

Marc-Andre Brideau, *BGC Engineering*

Jordan Severin, *SRK*

Ehsan Ghazvinian, *Queen's University*

Chrysothemis Paraskevopoulou, *Queen's University*

Andy Corkum, *BGC Engineering*

Veronique Boivin, *EXP*

Number of Division Members (as of June 30, 2016)

Executive Committee Members: 2

1st Choice members: 106

2nd Choice members: 297

Comments:

- 1st choice up from 105
- 2nd choice up from 272

Division is affiliated with which other organizations

National affiliates (e.g. CARMA for the Rock Mechanics Division) and names of CGS representatives

- CARMA: Sam Proskin

North American affiliates (e.g. AEG for the Engineering Geology Division) and names of CGS representatives

None

International affiliates (e.g. IGS for the Geosynthetics Division) and names of CGS representatives

- ISRM: Doug Stead is VP North America for ISRM

Division Finances

Account Balance: not applicable

Comments:

- All finances are through CARMA

Division Activities in past year (July 1, 2016 to June 30, 2017)

- Holding Rock Mechanics sessions at GeoVancouver and GeoOttawa
- Reviewed papers for GeoVancouver and GeoOttawa
- CARMA Conference call meetings November 2016 and April and June 2017
- Award committee selected a 2017 recipient for the John. A. Franklin Award to be announced at GeoOttawa
- Held annual meeting of RMD with 10-12 people attending

Additional information or comments

Have focused on rock mechanics activities through CARMA in the last year.

Soil Mechanics and Foundations Division Annual Report July 1, 2016 to June 30, 2017

General

Date of report: August 1, 2017

Prepared by: Alex Baumgard, Chair

Division Chair: Alex Baumgard

End of Term of Chair: Dec 31, 2016 (Interim Chair for 2017)

Last time your Division's CGS web page was updated: June 2017

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

From the website (still current):

The mandate of the Soil Mechanics and Foundations Division is to promote classical geotechnical and foundation engineering research, to promote the documentation of case histories and experience of practicing engineers, and to promote and facilitate the continuing education of our members. This occurs through the regular technical meetings at the local level, through short courses and symposia, through support for the Cross Canada Lecture Tour, through our annual conference and via our liaison with the International Society of Soil Mechanics and Geotechnical Engineering.

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, 2017 to June 30, 2018).

- Continued involvement with the development of the CFEM
- Support for pre-conference workshops on soil mechanics and foundations topics to upcoming local and annual conferences.

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Alex Baumgard, *BGC Engineering Inc.* [abaumgard@bgcengineering.ca]

Past Chair: Bipul Hawlader, *Memorial University of Newfoundland, St. John's* [bipul@mun.ca]

Other Members:

Andrew Take, *Queens University, Kingston* [andy.take@civil.queensu.ca]

Denis LeBoeuf, *Université Laval, Québec* [denis.leboeuf@gci.ulaval.ca]

Dipanjana Basu, *University of Waterloo, Ontario* [dipanjana.basu@uwaterloo.ca]

Laifa Cao, *SPL Consultants Limited, Ontario* [lcao@splconsultants.ca]

Mohamed Meguid, *McGill University, Montreal* [mohamed.meguid@mcgill.ca]

Robert Chapuis, *Polytechnique Montreal, Montreal* [robert.chapuis@polymtl.ca]

Jeff Lam, *Rocscience Inc., Toronto* [jeff.lam@rocscience.com]

Number of Section Members (as of June 30, 2017)

Executive Committee Members: 8

1st Choice members: 681

2nd Choice members: 221

Division is affiliated with which other organizations

- International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE)

Division Finances (as of June 30, 2017)

Account Balance: \$

Division Activities in past year (July 1, 2016 to June 30, 2017)

None

Additional information or comments

- G.G. Meyerhof Award – 2016 was awarded to Wayne Clifton for his significant contribution to furthering the practice of geotechnique in Canada through his training and mentorship of young people, and his participation on countless committees and councils and panels. The award was presented at the GeoVancouver 2016 Conference.
- The SMFD received over 20 paper submissions from CGS members for the ICSMGE2017 conference in Seoul, Korea. These papers represented a diverse group of topics, as well as university and industry submissions from across Canada. The conference will be held in September 2017.

STANDING COMMITTEE REPORTS

Education Committee *Annual Report July 1, 2016 to June 30, 2017*

General

Date of report: July 15, 2017

Prepared by: Tareq Salloum

Committee Chair: Tareq Salloum

End of Committee Chair's Term: December 31, 2019

Last time your Committee's CGS web page was updated: January 29, 2017

If your Committee has a separate website please provide address: www.cgs.ca/committee_education.php

Is there a link to the CGS website? Yes.

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, 2017 to June 30, 2018).

- Development of a new graduate student award for at a Master's level.
- Extend the Grad Student Presentation Competition

Current (as of June 30, 2017) Education Committee Members and their Affiliations (employers or, if students, universities)

Chair: Tareq Salloum, *Ontario Power Generation Inc.*

Past Chair: Jinyuan Liu, *Ryerson University*

Vice Chair: Vacant

Secretary: Vacant

Administrator Student Competition: Sumi Siddiqua, Administrator Student Competitions, *University of British Columbia*

Members: Paul Simms – Chair CFG Fellowship Selection, *Carleton University*

Ariane Locat, *Laval University*

Nicholas Vlachopoulos, *Royal Military College of Canada*

E. Maria Skordaki, *Royal Military College of Canada*

Ahmed Fahmy, *GeoTerre Limited*

Mecckey El Sharnouby, *Atlantic Industries Limited*

Number of Committee Members (as of June 30, 2017)

Executive Committee Members: 8

Total members: N/A

Committee is affiliated with which other organizations

None

Committee Finances (as of June 30, 2017)

Account Balance: \$17,479.43

Committee Activities in past year (July 1, 2016 to June 30, 2017)

- 2017 Competition: The Graduate Student Presentation Award winners have been selected and announced.
- Canadian Foundation for Geotechnique 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.

- GEOparady
- GeoOttawa Post Icebreaker for Young Geotechnical Engineers
- cYGEGC

***Heritage Committee
Annual Report July 1, 2016 to June 30, 2017***

General

Date of report: 18 July 2017

Prepared by: Heinrich Heinz

Committee Chair: Heinrich Heinz

End of Committee Chair's Term: December 2018

Last time your Committee's CGS web page was updated: January 2017

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

The Heritage Committee provides a forum for stimulating, identifying and conserving information on important geotechnical projects in Canada from past years. The Committee will not itself undertake conservation or archiving activities. Its objective is to provide information, advice and encouragement for those who do.

Comments:

- We are currently considering a revision of the above statement, as it does not fully reflect what we have been doing.

- 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, 2017 to June 30, 2018).
- Starting a series of “Interviews with Pioneers” (title to be confirmed). Rather than waiting for some of the older folks to become “lives lived”, we should sit down with them and draw from their memory while they are still around. The “pioneers” could perhaps be past recipients of CGS’ Legget Medal.

This would be similar to the “GeoLegends” series from ASCE’s Geolnstitute, where a group of students sits down with the “geo legend”, interviews him or her, then write an article which in our case could get published in Geotechnical News or just uploaded to a new section in the archives. A side benefit would be involving some young folks in heritage-related matters.
 - Preparing a document on the “History of Canadian Women in Geotechnique”, as an update to the article published in 1997 by Anna Burwash. The initial idea for this came by Andrea Lougheed, and initial steps have been taken by Doug Vandine.
 - Completing and uploading to the Archives, documents and or/links on Oil Sands Geotechnique, a list of Canadian Students of Terzaghi and Casagrande at Harvard (if possible with a brief bio of these individuals). Continue to complete and upload memoirs for the Lives Lived section.
 - Establishing a link to other organizations involved with the promotion of awareness of geotechnical history and heritage.

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Heinrich Heinz, *Thurber Engineering*
Past Chair: David Cruden, *University of Alberta*
Vice Chair: Jacques Locat, *Université Laval* (to be confirmed)
Secretary: To be named

Number of Committee Members (as of June 30, 2017)

Executive Committee Members (total 10)

Heinrich Heinz (Chair), *Thurber Engineering, Calgary*
Mustapha Zergoun, *Thurber Engineering, Vancouver*
Mason Ghafgazi, *University of Toronto*
Suzanne Lacasse, *Norwegian Geotechnical Institute, Oslo*
Lijun Deng, *University of Alberta, Edmonton*
Jorn Landva, *BGC Engineering, Halifax*
Fred Matich, *MAJM Corporation Ltd., Toronto*
Jacques Locat, *Université Laval, Québec*
Jim Graham, *University of Manitoba, Winnipeg*
Doug Vandine, *Vandine Geological Engineering Ltd.*

Comments:

- A few individuals have agreed to be “collaborators” of the Heritage Committee, but prefer not to be listed as Members. Among these are Andrea Loughheed (BGC Engineering), Andrew Corkum, (Dalhousie University), Li Yan (BC Hydro), Richard Gervais (Independent Consultant, Montréal).
- One of our goals for the upcoming meeting in Ottawa is to discuss ways to attract more members (especially young members) to this group.

Committee is affiliated with which other organizations

National affiliates and names of CGS representatives

Engineering Institute of Canada – No Representative Named

Comments:

- At our upcoming meeting in Ottawa, we plan to discuss ways to interact with North American (e.g., ASCE) and International Organizations (e.g., ICE in the UK who publish a very fine History and Heritage magazine).

Committee Finances (as of June 30, 2017)

Account Balance: N/A

Comments:

- I would like to discuss, at the CGS AGM in Ottawa, the possibility of assigning a small annual budget to the Heritage Committee. This would allow us, for instance, to present the students who volunteer to help with the “Interviews with Pioneers” (see Section 1, item 2 above) with a small token of our appreciation.

Committee Activities in past year (July 1, 2016 to June 30, 2017)

- The Heritage Committee, under the initiative of our Member and CGS Past-President Doug Vandine, has prepared updates to the Canadian Geotechnical Virtual Archives (the Archives). Some highlights are “The Canadian Geotechnical Society – A Brief Historical Perspective to 2016”, a list of “Past Executive Committees”, and a list of “Past CGS Conferences”, which are now available on the Archives.
- Various ongoing exchanges, mostly via email, on new contributions to the Archives, including a section on Oil Sands Geotechnique, a list of Canadian students of Terzaghi/Casagrande at Harvard, access to Charlie Ripley’s collection of Terzaghi’s documents (currently under the care of Jonathan Fannin at UBC), preparation of a History of Women in Canadian Geotechnique, and development of Guidelines for Publication in the Archives.
- Other activities included updates to the “Lives Lived” Section of the Canadian Geotechnical Virtual Archives with contributions by Jim Graham, Fred Matich, Dave Cruden, Alex Sy and Heinrich Heinz.

Geohazards Committee
Annual Report July 1, 2016 to June 30, 2017

General

Date of report: July 15, 2017

Prepared by: Dave Gauthier

Committee Chair: Dave Gauthier

End of Committee Chair's Term: December 201X

Last time your Committee's CGS web page was updated: December 2016

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

The Geohazards Committee (formerly the Landslide Committee) supports efforts leading to the technical competence and excellence of Canadian geotechnical and related geoscience professionals working in the field of geohazards. It contributes to the organization of Canadian geotechnical conference sessions on landslides and geohazards, the organization of national and international landslide and geohazard conferences, the development of national geohazards guidelines, and the maintenance of links with other related professional societies such as the Joint Technical Committee on Natural Slopes and Landslides (JTC 1).

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, 2017 to June 30, 2018).

- Support and drive the publication of the Canadian Technical Landslide Guidelines as a stand-alone, single document.
- Support and drive the publication of 'Snow Avalanche Engineering', Bruce Jamieson's technical manual on snow avalanche engineering for land use planning
- Support the organization and execution of the Geohazards7 Conference in Canmore, June 2018

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Dave Gauthier, *BGC Engineering Inc.*

Past Chair: Michael Porter, *BGC Engineering Inc.*

Vice Chair: Scott McDougall, *University of British Columbia*

Number of Committee Members (as of June 30, 2017)

Executive Committee Members: 2

Total members: 30

Committee is affiliated with which other organizations

The CGS Geohazard Committee collaborates with the CGS Engineering Geology Division and the CGS Transportation Committee; and the US Association of Engineering and Environmental Geologists (AEG) to award the Schuster Medal

CGS Geohazard Committee members Scott McDougall and Dave Cruden will be participating in a joint IAEG Commission C37- Landslide Nomenclature

In 2017 relationships with AEG and IAEG and other learned societies will be strengthened

Committee Finances (as of June 30, 2017)

Account Balance: \$

Comments:

- The CGS Geohazard Committee currently does not have a dedicated budget

Committee Activities in past year (July 1, 2016 to June 30, 2017)

- Geohazard Committee members participated in the review of technical papers for the 2016 CGS conference in Vancouver, and the 2017 CGS Conference in Ottawa
- Geohazard Committee members attended the CGS conference in Vancouver, presented papers, chaired sessions, held a committee meeting.
 - Committee members agreed to support the organization of the 7th Canadian Geohazards Conference, to be held in June 2018 at Canmore, AB.
- On-going discussions were held with representatives from CGS Calgary Division and a local organizing committee about organizing the Geohazards 7 Conference.
- The Chair of the Geohazard Committee, in collaboration with the Chair of the Engineering Geology Division (Nicholas Vlachopoulos) and Chair of the Transportation Division (Mario Ruel) are working with AEG members to identify nominations for the 2017 Schuster Medal. The 2017 medal will be awarded to an American AEG member
- The CGS Geohazard Committee executive members supported a 3rd North American Symposium on Landslides (NASL) that will be held June 4-8, 2017 in Roanoke, Virginia
- CGS Geohazard Committee members Scott McDougall and Dave Cruden will be participating in a joint IAEG Commission C37- Landslide Nomenclature
- Preliminary discussions have been held surrounding supporting the publication of two geohazard engineering manuals in 2018.

Mining Geotechnique Committee
Annual Report July 1, 2016 to June 30, 2017

General

Date of report: September 9, 2017

Prepared by: Paul Simms

Committee Chair: Paul Simms

End of Committee Chair's Term: 2018

Last time your Committee's CGS web page was updated: Fall 2016

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

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, 2017 to June 30, 2018).

We were working on having a workshop on tailings dam regulations and tailing breach runout prediction at the GeoOttawa Conference, contact with CDA is Mohammad Al-Mamun (SNC–Lavalin). Scott Martens at Shell Canada is supporting this endeavor as he works on similar issues with the Alberta Regulator. Unfortunately, Mohammad had to withdraw days before the deadline to submit short course suggestions to GeoOttawa, due to other commitments. We will try again for next year's conference.

We will likely have another iteration of the practitioner-student networking event at the next conference.

Executive renewal – Chair has identified a Vice chair and will confirm by the Board Meeting.

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Paul Simms

Past Chair: Michel Aubertin

Vice Chair: To be announced

Secretary: vacant

Number of Committee Members (as of June 30, 2017)

Executive Committee Members:

Total members: Participation at conference meetings ~ 20-t o 30 people. We have over 60 on our email list.

Committee is affiliated with which other organizations

- None

Committee Finances (as of June 30, 2017)

Account Balance: \$ We have no money

Committee Activities in past year (July 1, 2016 to June 30, 2017)

- Our key event driven by the committee was the shortcourse, which did not come to pass. Our members remain very active on the National and International stage. The committee has assisted in advertising speciality events, such as the mining themed speciality session at a recent Geoinstitute conference, as well as National and International conferences hosted by our members (for example, the Tailings and Mine Waste Conference this upcoming November in Alberta, an international event).

This year's participation in Mining Geotechnique sessions at GeoOttawa, was particularly strong, with 7 sessions, two of which are on hard rock tailings, one speciality session in underground and backfill issues, two sessions specific to the oil sands, and two sessions on reclamation and covers. Members of the committee assisted with the review of papers (Bruno Bussiere, Thomas Pabst, Li Li, Michammad Shashivari (Student member, University of Toronto), Ward Wilson, and Nicholas Beier).

General

Date of report: July 19th, 2017

Prepared by: James Blatz

Committee Chair: James Blatz

End of Committee Chair's Term: October 2019

Last time your Committee's CGS web page was updated: Unknown

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

The Professional Practice Committee's current mandate as stated on our webpage is:

- a) To Highlight and Educate CGS Members on Professional Practice Issues Facing Geoprofessionals.
- b) Communicate CGS's views on issues relevant to "Geoprofessionals" belonging to the society, and
- c) To address other aspects of professional practice that are of interest or concern to society members.

The PPC's mandate as shown in the CGS Handbook also includes the following details:

- a) To liaise with professional bodies and report back to the society on the activities, and
- b) Communicate CGS's views on issues relevant to "Geoprofessionals" belonging to the society, and
- c) To address other aspects of Professional Practice that are of interest or concern to society members.

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, 2017 to June 30, 2018).

- Review the mandate of the PPC.
 - PPC has completed a survey sent out to the CGS membership to determine if the PPC mandate reflects the current needs and interest of the CGS membership and whether any revision should be undertaken. This is an ongoing activity that will be on the agenda for the meeting at GeoOttawa.
- Finalize sessions for the GeoOttawa Conference
 - Once session has been confirmed for the GeoOttawa conference by the organizing committee for the Tuesday afternoon. Two sessions were originally requested but given the response to the call for papers one the overall program demand was too high to accommodate the second session. As such we are working to integrate the two initial ideas into one session:
 - Mock Court / Arbitration: Following on the theme of legal proceedings for commercial disputes based on technical considerations, an invited legal firm will provide a few of their partners a past speaker invited to our event (who has been speaking at our conferences for the past few years) to set up a room as a mock court and will act in the various roles as litigator, judge, witness, etc. to demonstrate in the session what it is like to appear in a judicial setting. This has never been done before at our conference and many members have been asking for more activities on litigation from our committee as they are increasingly being asked to provide review on

projects. This will be an opportunity to experience what the judicial setting would be like and will likely use a component of the case presented in the first part of the session.

- We are intending to provide a unique approach to this session in providing advance materials via the PPC website that will be identified in a CGS eNews item to allow potential conference participants to review pertinent details prior to the conference and session. If this session goes well there may be an interest to expand to a short course for future conferences.

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: James Blatz

Past Chair: J. Suzanne Powell

Vice Chair: TBD at GeoOttawa

Secretary: TBD at GeoOttawa

Members: Yves Cormier, Roger Skirrow, James Blatz, Rodney McAfee, Bob Patrick, Pierre Boulanger, Paul Dittrich, Andre Bom, Olaide Ojomo

Number of Committee Members (as of June 30, 2017)

Executive Committee Members: 2

Total members: 11

Comments:

- Continuing to canvass for potential members. Would like to better represent the membership across all regions.

Committee is affiliated with which other organizations

- None A

Committee Finances (as of June 30, 2017)

Account Balance: \$ N/A

Comments:

- PPC does not have or maintain any finances

Committee Activities in past year (July 1, 2016 to June 30, 2017)

- Revisit and the mandate of the PPC.
 - PPC completed a member survey from the CGS membership. The survey was designed to determine if the PPC mandate reflects the current needs and interest of the CGS membership and whether any revision should be undertaken. As noted in the current activities this foundational work with the survey is informing the continuing discussion on the mandate of PPC going forward. This will be the main item at the GeoOttawa meeting this fall.
- Promotion and possible re-branding of the PPC.

- The PPC had ongoing discussions about developing initiatives to change branding and promoting its mandate that would be driven by the need to provide awareness should the mandate be revised. This discussion is ongoing however recent discussion indicates this might not be worth the effort.
- The addition of new and relevant content to the webpage including links to other professional bodies such as the Geo-Institute, ACEC, GBA (Formerly ASFE) and/or links to resources such as online case studies with other organizations that that CGS could benefit from and may not be aware of was discussed. This discussion is also ongoing.
- Two highly successful sessions were held at the GeoVancouver conference:
 - Neil Abbott (Gowlings LLP) presented “Speak like an engineer; think like a lawyer.....how to write expert reports for all legal occasions”. His session was very well attended and had considerable interaction with questions from the participants.
 - The second session was a joint session with the Engineering Geology Division on Engineering Geology in Canada. The session included four invited speakers from academia and industry that were highlighted in a flyer distributed with the conference hand-outs. Again, the talks were highly attended and well received.

Additional information or comments

- It is important to note that the incredible productivity of this committee over the period noted was due to the efforts of the Chair at the time, J. Suzanne Powell and the past-Chair, Kent Bannister not the author of this report who took over after the GeoVancouver conference which was the culmination of the contributions of the committee to the members over the past year.

Sustainable Geotechnics Committee Annual Report July 1, 2016 to June 30, 2017

General

Date of report: 12th Sept 2017

Prepared by: Tim Newson

Committee Chair: Tim Newson

End of Committee Chair's Term: 31st December 2017

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

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

The Sustainable Geotechnics Committee was established in January 2015 to:

- Raise the awareness of sustainable geotechnics for the development of sustainable and resilient civil infrastructure and society; and
- Promote education, research, practice and publications in sustainable geotechnics.

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, 2017 to June 30, 2018).

- Improve visibility of committee and activities
- Hold a few workshop/seminar events (particularly at the next CGC)
- Improve the website and content turnover
- Supporting research activities in sustainable geotechnics

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Tim Newson, *Western University*

Past Chair: N/A

Vice Chair: Dipanjan Basu, *University of Waterloo*

Secretary: Ian Fleming, *University of Saskatchewan*

Number of Committee Members (as of June 30, 2017)

Executive Committee Members:

Catherine Mulligan, *Concordia University*

Craig Lake, *Dalhousie University*

Ernest Yanful, *Western University*

Jit Sharma, *York University*

Lukas Arenson, *BGC Consultants*

Myint Win Bo, *Bo and Associates Ltd*

Roger Skirrow, *Alberta Transportation*

Ryley Beddoe, *RMC*

Sean Hinchberger, *Hatch*

Stan Gonsalves, *exp*

Tony Sangiuliano, *MTO*

Susanne Chan, *MTO*

Total members: 15

Committee is affiliated with which other organizations

None

Committee Finances (as of June 30, 2017)

Account Balance: \$ Nil

Committee Activities in past year (July 1, 2016 to June 30, 2017)

- Planning for modification of website
- Liaison with equivalent committees for International Society and ASCE
- Conducted one executive committee meeting
- Conducted outreach to local societies
- Planning for workshop events 2017

***Transportation Geotechnique Committee
Annual Report July 1, 2016 to June 30, 2017***

General

Date of report: Sept 1, 2017

Prepared by: Mario Ruel

Committee Chair: Mario Ruel

End of Committee Chair's Term: Dec 2017

Last time your Committee's CGS web page was updated: Jan 2017 (Don L)

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

Statement:

The TGC promotes communication of best practices and latest technical development between geotechnical geoscientists in the field of transportation in Canada. It assists and encourages geotechnical conference and technical sessions and the upkeep of relevant links with other related professional societies.

The TGC's interest covers the broad areas of transportation-related geotechnique, including:

- Geotechnical design, construction and maintenance of transportation infrastructures
- Earthworks for transportation facilities
- Geomaterials and recycled materials
- Geotechniques for pavements, rail track and airfield
- Geosynthetics and applications
- Sustainability, performance evaluation, and rehabilitation
- Geohazard Asset management (GAM) and environmental issues

More specifically the TGC works to:

- Organize and coordinate sessions on Transportation Geotechnique at the annual Canadian Geotechnical Conference, in collaboration with the Technical Divisions of CGS
- Act as a forum for discussion between industry, academics, and students on issues of research, education, and training
- Promote awareness of Transportation Geotechnique within the CGS, the geoscience community, and related fields
- Liaise between CGS and other transportation-related national and international organizations
- Contribute to efforts that may be beneficial to the Transportation Geotechnique community

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, 2017 to June 30, 2018).

-Goal:

1. Within the Geo-Ottawa conference: Ensure to include at least 2 technical sessions with the Theme “Transportation Geotechnique”
 - Update: TGC worked with Paul Simm’s excellent coordination and leadership to assist in organizing at least 5 sessions sponsored by the TGC
2. Develop collaboration with the Geo-Hazard Committee to develop joint technical sessions
 - Update: Two joint technical sessions have been put together on themes which cover geohazards along transportation corridors. Thanks to the assistance of Dave Gauthier and Paul Simms.
3. Organize a Webinar on the latest advancement on Trenchless Technologies to help assess geotechnical risks related to installation of underground utilities below roads, highways railways and pipelines. An initial session is being planned in November with assistance of Golder Engineering with potential sponsors from private industry.
4. In order to promote better communication and exchange of ideas across Canada on Transportation Geotechnique; Formally invite a member of the Geotechnical Engineering team from every Provincial Department of Transportation and major Cities across Canada. Develop better contacts and encourage a forum for discussion through social media and / or others. (Similar to Railways but less formal).
5. Develop formal contacts and exchange of information with transportation geotechniques organizations outside Canada such as the TRB and the ISSMGE –TC202 (Transportation Geotechnics)
6. Initial long-term goal to develop simple guideline manual of best practices in transportation geotechnical engineering in Canada.
7. Encourage more communications from members through Geotechnical News

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Mario Ruel, *CN Rail*
 Past Chair: Roger Skirrow, *Alberta Transportation*
 Vice Chair: Serge Bourque, *Houle Chevrier Engineering*
 Secretary: Don Lewycky

Number of Committee Members (as of June 30, 2017)

Executive Committee Members: 4

Total members: 35

Active Members 15

Comments:

- List to be updated by Don L this fall because some members seem to have been inactive for over 2 years.
- As mentioned above; several new members from DOT’s and Cities across the Canada will be invited to join the committee.

Committee is affiliated with which other organizations

- Transportation Association of Canada (TAC) – Roger Skirrow
- Rail Ground Hazard Research Project (RGHRP) –Trevor Evans, Mario Ruel, Chris Bunce, Roger Skirrow, Tim Keegan, Jean Hutchinson, Melissa Ruel,

North American affiliates and names of CGS representatives:

- AEG Association of Engineering Geology – Mario Ruel
- TRB –Transportation Research Board – Mario Ruel, Chris Bunce, Dave Gauthier, Jean Hutchinson, Michael Hendry

International affiliates and names of CGS representatives:

- ISSMGE-TC202 Transportation Geotechnics – Mario Ruel
- Georail – France – Mario Ruel

Committee Finances (as of June 30, 2017)

Account Balance: \$ Nil

Comments:

- The committee has no budget to work with.

Committee Activities in past year (July 1, 2016 to June 30, 2017)

- Active involvement in the organization of technical sessions and paper review at the GEO-Ottawa (see details in section 2)
- A MOU in progress with Roger Skirrow with TAC SMSC (TC members to submit geotechnical topics of national interest that TAC could bring forward as standards, guidelines or specifications document.
- Active participation of CGS TC members US Transportation Research Board (held in Washington January 2017),
- Several CGS TC members are also still taking leadership roles in the Railway Ground Hazards Research Project (RGHRP) which is very active on;
 - Numerous remote sensing, hazard detection and risk management research projects
 - The development of several MSc's and PhD's in the field of transportation geotechniques.
 - The elaboration of technical guidelines for ground hazard management for railways which could eventually be extended for other transportation corridors.
 - Several papers on Railway and Transportation Geotechniques will be presented at the GeoOttawa 2017 Conference.
- Initiated planning of Webinar for trenchless technology under transportation corridors.

Additional information or comments

Discuss possibility of evolving the committee into a Division.

OTHER REPORTS

Geotechnical Research Board Annual Report July 1, 2016 to June 30, 2017

General

Date of report: July 2017

Prepared by: Bruno Bussière

Committee Chair: Bruno Bussière

End of Committee Chair's Term: 2019

Last time your Committee's CGS web page was updated: November 2016

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

The mandate of the GRB is to monitor, stimulate, and promote research in the geotechnical and geoscience fields for the benefit of the profession and Canada.

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, 2017 to June 30, 2018).

1.) Give a Workshop at the next Canadian Geotechnical Conference (GeoOttawa 2017). The title is: *Research in the geotechnical and geoscience fields: tools and tips to improve the sector's performance*.

Summary:

The main objective of this workshop is to give to researchers in the geotechnical and geological sciences information that will help them to improve the research performance of the sector. To reach this objective, representatives of governmental research agencies will present an overview of the different research programs available to the geotechnical and geoscience communities with their main characteristics. The emphasis will be on the Collaborative Research and Development grant, the Strategic Partnership grant (for projects or network) with a short description of other research programs that could be of interest for researchers in geotechnical and geoscience. Then, selected researchers will present the main components of a successful research proposal for the different research programs. Tools and tips will be given for different conditions, from the early career to the experienced researchers. The workshop will also address the main challenges faced by a young professor when developing a research program. Emphasis will be placed on how to identify and select promising research areas, based on your own education, expertise, and experience. The importance of creating strong relationships with industrial partners will be highlighted. The main challenges related to the training of highly qualified personnel will be discussed. The dissemination of research results to optimize visibility and technology transfer will also be addressed during the workshop.

2.) Prepare the '2017 Annual Performance Review' submitted to the National Research Council, in order to help receive the NRC's financial subsidy for the CGS's national membership fee to the ISSMGE.

3.) Stimulate, manage and evaluate submissions for the 2019 Colloquium Speaker (name to be announced at the 2018 Canadian Geotechnical Conference).

4.) Participate to the selection committee of the 2016 Gzowski Medal.

Current (as of June 30, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)



Chair: Bruno Bussière
 Past Chair: Murray Grabinsky
 Vice Chair: To be determined
 Secretary: N/A

Number of Committee Members (as of June 30, 2017)

Executive Committee Members: 2

Total members: 13 (see table below)

Name	2016	2017	2018	2019	2020	2021
Bruno Bussière, UQAT		Chair	Chair	Chair	Past Chair	Past Chair
Murray Grabinsky, University of Toronto	Chair	Past Chair	Past Chair	Past Chair		
Nicholas Beier, University of Alberta						
Ariane Locat, Université Laval						
Jean Côté, Université Laval						
Mamadou Fall, University of Ottawa						
Paul Simms, Carleton University						
Ian Moore, Queens University						
Jocelyn Grozic, University of Calgary						
Thomas Pabst, Polytechnique Montreal						
Jasmin Raymond, INRS-ETE						
François Duhaime, ÉTS						
Robert Chapuis, Polytechnique Montreal						

 First 3-year term  3-year term

Committee Activities in past year (July 1, 2016 to June 30, 2017)

- Annual Meeting held at the last Canadian Geotechnical Conference in Vancouver
- Organization of a Workshop for the next Canadian Geotechnical Conference (Research in the geotechnical and geoscience fields: tools and tips to improve the sector's performance). Member of the organizing committee: Bruno Bussière, Thomas Pabst and Nicholas Beier.

- Evaluation of submissions and selection of the 2018 Colloquium (name to be announced at GeoOttawa 2017)
- Evaluation of selected papers for the 2017 Gzowski Medal.

Canadian Geotechnical Journal - Ian D. Moore and Daichao Sheng, Editors
Annual Report July 1, 2016 to June 30, 2017

During 2016, a total of 706 manuscripts were received (629 were received in 2015), with 162 published. The acceptance rate in 2016 was 23% based on the numbers published. This compares to an acceptance rate 30% in 2015. The Thomson Reuters' impact factor (an imperfect measure of journal quality, though one widely used) increased from 1.877 to 2.138. This ranking based on impact factor puts us slightly behind *Geotechnique* (Impact factor of 2.395) and the *Journal of Geotechnical and Geoenvironmental Engineering* (Impact Factor of 2.464). The impact factor has increased steadily over the past ten years, rising from 0.358 in 2007. Elsevier's 2016 SJR (SCImago Journal Rank, a measure of influence and prestige) stayed fairly constant from 1.979 to 1.977. The ranking of the CGJ in SJR also stayed constant at 9th in 2016 from 2015, among 264 'Geotechnical & Engineering Geology' journals. SJR ranked the CGJ as the 4th of all 321 journals published in Canada. Of course, these values vary from year to year, and we will maintain our efforts to sustain and improve the journal's high rankings.

There has been some normal turnover amongst Associate Editors. Current Associate Editors are:

D. Airey, *The University of Sydney*
 E. Bowman, *University of Sheffield*
 O. Buzzi, *The University of Newcastle*
 J. Chai, *Saga University*
 J. Côté, *Université Laval*
 Y.-J. Cui, *Ecole des Ponts ParisTech/Laboratoire Navier*
 M.H. El Naggar, *The University of Western Ontario*
 K. Gavin, *Delft University of Technology*
 C.T. (Rajah) Gnanendran, *The University of New South Wales @ ADFA*
 P. Guo, *McMaster University*
 J.L.H. Hayley, *University of Calgary*
 B. Hawlader, *Memorial University of Newfoundland*
 B. Indraratna, *University of Wollongong*
 G. Kouretzis, *The University of Newcastle*
 R. Merifield, *Douglas Partners Pty Ltd*
 J. Molson, *Université Laval*
 D. Muir Wood, *University of Dundee*

C.W.W. Ng, *Hong Kong University of Science and Technology*
 J. Ooi, *University of Edinburgh*
 J. Oswell, *Navig Consulting Inc.*
 E. Palmeira, *University of Brasilia*
 R. Phillips, *C-CORE*
 K.K. Phoon, *University of Singapore*
 R.K. Rowe, *Queen's University*
 T. Schanz, *Ruhr-Universität Bochum*
 C. Shackelford, *Colorado State University*
 J. Sharma, *York University*
 G. Siemens, *Royal Military College of Canada*
 P. Simms, *Carleton University*
 A. Take, *Queen's University*
 D.D. Tannant, *The University of British Columbia - Okanagan*
 S. Tripathy, *Cardiff University*
 D. Wijewickreme, *The University of British Columbia*
 M. Xu, *Tsinghua University*

We thank all of the Associate Editors for their hard work and dedication. Special thanks to Susan Gourvenec who ended her term.

The further improvement in the rankings of the journal is the result of many factors. However, timely and effective reviews are a significant component of the journal's appeal to authors and readers, and we acknowledge the very important contributions from the many peer reviewers. A new initiative in the past two years is the appointment of "Editorial Board Members" to act as reviewers, rather than Associate Editors. We are currently in the process of expanding this Editorial Board. These board members are:

A. Arulrajah, *Swinburne University of Technology*
 C.Y. Cheuk, *AECOM*
 J. Ching, *National Taiwan University*
 D. Choudhury, *Indian Institute of Technology Bombay*
 N.C. Consoli, *Federal University of Rio Grande do Sul (UFRGS)*
 M.R. Coop, *University College, UK*
 B. Fatahl, *University of Technology, Sydney*
 J. Hambleton, *Northwestern University, USA*
 M. Hendry, *University of Alberta*
 J. Huang, *The University of Newcastle*
 C. Jommi, *Technische Universiteit Delft*
 B. Lehané, *The University of Western Australia*
 E.C. Leong, *Nanyang Technical University*
 A. Leung, *University of Dundee*
 A.J. Li, *National Taiwan University of Science and Technology*
 K.-W. Liu, *Queen's University*
 M.D. Liu, *University of Wollongong*

S. Lourenco, *The University of Hong Kong*
 F.A. Marinho, *Universidade de São Paulo*
 J.S. McCartney, *University of California San Diego*
 C. Rujikiatkamjorn, *University of Wollongong*
 A. Sadrekarimi, *The University of Western Ontario*
 S.-L. Shen, *Shanghai Jiao Tong University*
 N. Sivakugan, *James Cook University*
 D. Sun, *Shanghai University*
 A.M. Tang, *École des Ponts ParisTech*
 R.N. Taylor, *City University London*
 K.K. Tho, *Fugro Singapore Pte Ltd.*
 S. Wang, *The University of Newcastle*
 Y. Wang, *City University of Hong Kong*
 L.-t. Zhan, *Zhejiang University*
 S. Zhang, *Central South University*
 A. Zhou, *Royal Melbourne Institute of Technology (RMIT)*

Without the volunteer efforts of our Associate Editors and Editorial Board Members, it would be impossible to carry out review of manuscripts for the journal. As well, the hundreds of anonymous reviewers perform an important, and sometimes thankless, role for the journal. We thank all of these individuals for their efforts in making the Canadian Geotechnical Journal one of the top geoenvironmental journals in the world.

We conclude by thanking the staff at Canadian Science Publishing for their support. In particular, we thank Donna Hartson for her excellent work as editorial assistant, and our sincere appreciation to the Managing Editor, Michael Donaldson, Scientific Publishing Editor, Lesia Beznaczk, and the team of copy editors and other staff at NRC Research Press. A special thanks to Jenny Stewart who recently retired as the Managing Editor for the CGJ.

CGS News – Don Lewycky, Editor
Annual Report July 1, 2016 to June 30, 2017

I have now passed the midpoint of my second, three-year term as the editor of CGS News portion of *Geotechnical News*. My term will be completed on December 31, 2018 and it is my understanding based on the CGS Administration Manual, that the CGS News Editor's term may be extended once and that has already happened. Consequently, the search for a replacement editor should begin this year allowing me some time to acquaint my successor with their duties and responsibilities before my term is completed.

Geotechnical News continues to be published four times a year (March, June, September and December), with mandatory items appearing in each specific issue as detailed in the CGS Administration Manual. CGS News items are submitted to BiTech approximately 2 months prior to the actual publication date of the *Geotechnical News* and CGS News is now also posted on the CGS website, which is prepared by the CGS Administration (Wayne Gibson and Lisa McJunkin).

I have continued the practice of soliciting content contributions from all the various Sections, Divisions and Committee Chairs prior to publication deadlines. Nicholas Vlachopoulos, the Division Chair for the Engineering Geology Division, continues to be an all star contributor. Nicholas has supplied articles and photos for several issues of *Geotechnical*

News. I can only hope that the other chairs of the Society begin to match Nicholas' enthusiasm in getting the word out about the activities of their respective areas of responsibility.

Dennis Becker submitted several articles on behalf of the Canadian Foundation for Geotechnique over the last year, detailing the activities, awards and executive members of the Foundation. Last year in the December 2015 and June 2016 editions of *Geotechnical News* there was a two part history of the Canadian Foundation for Geotechnique, as prepared by Drs. Heinrich Heinz and Dennis Becker, based on an original article prepared by Dr. Michael Bozozuk. This was a perfect complement to the series of articles that Dr. Mustapha Zergou, Chair of the Heritage Committee and myself were able to initiate to document the history of the Society's local chapters. I have now published three histories, Vancouver in September 2013, Edmonton in March 2014 and Calgary in June 2014. The challenge continues to be how to get additional submissions from the local chapters located east of the Alberta/Saskatchewan border, but so far no additional chapters have come forward.

I greatly appreciate the support that I have received from the CGS Executive and the Board. In particular, I would like to thank Dharma Wijewickreme and Michel Aubertin for their timely contributions to the columns so far. Special thanks also to Lisa McJunkin, who, along with Michel, have helped in getting material translated into French with very short notice and supplying me with information on the Society's activities. I continue to encourage all members of the Board to submit articles, announcements or pieces of news to myself. In the case of time sensitive articles, please be aware of the publication and delivery dates of *Geotechnical News*. For all other submissions, please send them to me at any time and I will save them for inclusion in the next edition of *Geotechnical News*.