



**THE CANADIAN
GEOTECHNICAL SOCIETY**

**LA SOCIÉTÉ CANADIENNE
DE GÉOTECHNIQUE**

2019
Annual Report / Rapport annuel
(July 1, 2018 to June 30, 2019)

Table of Contents

2019 Awards and Honours	2
Board of Directors	6
President's Annual Report	11
Vice-President Technical Annual Report	17
Vice-President Finance Annual Report	22
Vice-President Communications and Member Services Annual Report	26
Young Professional Representative Annual Report	29
SECTION REPORTS	
Sections Representative Annual Report	31
Vancouver Island BC (Victoria)	34
Southern BC (Vancouver)	35
Northern BC (Prince George)	37
Interior BC (Kelowna)	39
Northern Alberta & Territories (Edmonton)	40
Southern Alberta (Calgary)	41
Northern Saskatchewan (Saskatoon)	43
Southern Saskatchewan (Regina)	45
Manitoba (Winnipeg)	47
Northwestern Ontario (Thunder Bay)	48
Northeastern Ontario (Sudbury)	49
Southwestern Ontario (London)	51
Southern Ontario (Toronto)	52
Southeastern Ontario (Kingston)	55
Eastern Ontario (Ottawa)	57
Ouest-du-Québec / Western Québec (Montréal)	59
Est-du-Québec / Eastern Québec (Québec)	60
New Brunswick (Fredericton)	65
Nova Scotia (Halifax)	66
Newfoundland & Labrador (St. John's)	67
TECHNICAL DIVISION REPORTS	
Technical Divisions Representative Annual Report	69
Cold Regions Geotechnology Division	72
Engineering Geology Division	73
Geoenvironmental Division	76
Geosynthetics Division	78
Groundwater Division	79
Rock Mechanics Division	80
Soil Mechanics and Foundations Division	82
COMMITTEE REPORTS	
Education Committee	84
Heritage Committee	85
Geohazards Committee	88
Mining Geotechnique Committee	89
Professional Practice Committee	91
Sustainable Geotechnics Committee	92
Transportation Geotechnique Committee	93
Membership Committee	95
OTHER REPORTS	
Geotechnical Research Board	98
Canadian Geotechnical Journal	100
CGS News	101

CANADIAN GEOTECHNICAL SOCIETY – AWARDS AND HONOURS 2019

- R.F. Legget Medal** Arun Valsangkar, Professor Emeritus, University of New Brunswick
- R.M. Quigley Award** Lin Guo, Yuanqiang Cai, Richard J. Jardine, Zhongxuan Yang, Jun Wang, “Undrained behaviour of intact soft clay under cyclic paths that match vehicle loading conditions”, Canadian Geotechnical Journal, 2018, 55(1): 90-106.
- Honourable Mentions** Marie-Pier Ethier, Bruno Bussière, Michel Aubertin, Abdelkabar Maqsoud, Isabelle Demers, Stefan Broda, “In situ evaluation of performance of reclamation measures implemented on abandoned reactive tailings disposal site”, Canadian Geotechnical Journal, 2018, 55(12): 1742-1755.
- R. Kerry Rowe, Richard W.I. Brachman, W. Andy Take, “Field measurements of overlap reductions for two reinforced fabric-encased geosynthetic clay liners (GCLs)”, Canadian Geotechnical Journal, 2018, 55(5): 631-639.
- Amin Askarinejad, Sarah M. Springman, “A novel technique to monitor subsurface movements of landslides”, Canadian Geotechnical Journal, 2018, 55(5): 620-630.
- Fredlund Award** Yan-Jun Du, Ning-Jun Jiang, Song-Yu Liu, Fei Jin, Devendra Narain Singh, Anand J. Puppala, “Engineering properties and microstructural characteristics of cement-stabilized zinc-contaminated kaolin”, Canadian Geotechnical Journal. Canadian Geotechnical Journal, 2014, 51(3): 289-302.
- G. Geoffrey Meyerhof Award** Alex Sy, Klohn Crippen Berger
Thomas Roy Award Nicholas Vlachopoulos, Royal Military College of Canada
John A. Franklin Award Giovanni Grasselli, University of Toronto
Geosynthetics Award Marolo Alfaro, University of Manitoba
Robert N. Farvolden Award Jim Hendry, University of Saskatchewan
(Joint award with IAHCNC)
Robert Schuster Medal John Clague, Simon Fraser University
(Joint award with AEG)
- Graduate Student Paper Award**
1st Prize Vincent Boulanger-Martel, “Thermal performance of two insulation covers to control sulfide oxidation at Meadowbank mine, Nunavut”, Research Institute on Mines and the Environment (RIME), Université du Québec en Abitibi-Témiscamingue (UQAT), Bruno Bussière and Jean Côté Sup.
2nd Prize Josephine Morgenroth, “Probabilistic Modelling vs. Machine Learning for Streamlining Geomechanical Data”, Department of Civil Engineering, York University, Matthew Perras Sup.
- Undergraduate Student Report (Individual)**
1st Prize Megan McKellar, “Footprints in the Sand: A study of the Unsaturated Bearing Capacity of a Fine Sand”, Queen’s University, Andy Take Sup.
- Undergraduate Student Report (Group)**
1st Prize Jesse Zonneveld, Mat Stephenson, Shawn Matthies, Stephen Marks, “Tailings Storage Facility Prefeasibility Study”, Earth, Ocean and Atmospheric Sciences & Geological Engineering, University of British Columbia (Vancouver), Maureen Kelly Sup.

2nd Prize Sam Balcom, Ahmed Hamad, David Quinn, Jeremy Wyatt, “Design and Construction of a Raised Embankment Tailings Storage Facility”, Department of Civil and Resource Engineering, Dalhousie University, Hany El Naggat Sup.

Canadian Foundation for Geotechnique Michael Bozozuk National Graduate Scholarship
Haley Schafer, Department of Civil and Environmental Engineering, University of Alberta

Dennis Becker Canadian Foundation for Geotechnique M.Sc. Student Award
Andrea Walsh, Department of Civil Engineering, Queen’s University

Early Achievement Award Suzanne Powell, Thurber Engineering Ltd.

A.G. Stermac Awards Wayne Gibson, Gibson Group Management Inc.
Lynn Pugh, BiTech Publishers Ltd.
Don Lewycky, Retired
Seán Mac Eoin, AECOM
Ian Moore, Queen’s University

CGS R.M. Hardy Keynote Address Ryan Phillips, C-CORE
Canadian Geotechnical Colloquium Kathy Kalenchuk, RockEng
Cross Canada Lecture Tours Charles Shackelford (Spring 2019)
Ian Moore (Fall 2019)

AWARDS FROM ENGINEERING INSTITUTE OF CANADA (EIC)

Sir John Kennedy Medal Suzanne Lacasse, Norwegian Geotechnical Institute
Julian C. Smith Medal Jacques Locat, Université Laval
John B. Stirling Medal Doug Stead, Simon Fraser University
Canadian Pacific Railway Medal Kevin Biggar, Canadian Foundation for Geotechnique

Fellowship of the Institute (FEIC) Jean Côté, Université Laval
Fellowship of the Institute (FEIC) Craig Lake, Dalhousie University

2019 Canadian Professional Geoscientist Award
John Clague, Simon Fraser University

LA SOCIÉTÉ CANADIENNE DE GÉOTECHNIQUE – PRIX ET DISTINCTIONS 2019

Médaille R.F. Legget Arun Valsangkar, Professeur Émérite, University du Nouveau-Brunswick

Prix R.M. Quigley Lin Guo, Yuanqiang Cai, Richard J. Jardine, Zhongxuan Yang, Jun Wang, “Undrained behaviour of intact soft clay under cyclic paths that match vehicle loading conditions”, Canadian Geotechnical Journal, 2018, 55(1): 90-106.

Mentions honorables Marie-Pier Ethier, Bruno Bussière, Michel Aubertin, Abdelkabar Maqsood, Isabelle Demers, Stefan Broda, “In situ evaluation of performance of reclamation measures implemented on abandoned reactive tailings disposal site”, Canadian Geotechnical Journal, 2018, 55(12): 1742-1755.

R. Kerry Rowe, Richard W.I. Brachman, W. Andy Take, “Field measurements of overlap reductions for two reinforced fabric-encased geosynthetic clay liners (GCLs)”, Canadian Geotechnical Journal, 2018, 55(5): 631-639.

Amin Askarinejad, Sarah M. Springman, “A novel technique to monitor subsurface movements of landslides”, Canadian Geotechnical Journal, 2018, 55(5): 620-630.

Prix G. Geoffrey Meyerhof Alex Sy, Klohn Crippen Berger

Prix Thomas Roy Nicholas Vlachopoulos, Royal Military College of Canada

Prix John A. Franklin Giovanni Grasselli, University of Toronto

Prix des géosynthétiques Marolo Alfaro, University of Manitoba

Prix Robert N. Farvolden Jim Hendry, University of Saskatchewan

(Prix conjoint avec AIH-SNC)

Médaille Robert Schuster John Clague, Simon Fraser University

(Prix conjoint avec AEG)

Prix de la présentation des étudiants aux cycles supérieurs

1^{er} prix Vincent Boulanger-Martel, “Thermal performance of two insulation covers to control sulfide oxidation at Meadowbank mine, Nunavut”, Research Institute on Mines and the Environment (RIME), Université du Québec en Abitibi-Témiscamingue (UQAT), Bruno Bussière et Jean Côté Sup.

2^e prix Josephine Morgenroth, “Probabilistic Modelling vs. Machine Learning for Streamlining Geomechanical Data”, Department of Civil Engineering, York University, Matthew Perras Sup.

Prix du rapport des étudiants du premier cycle (individuel)

1^{er} prix Megan McKellar, “Footprints in the Sand: A study of the Unsaturated Bearing Capacity of a Fine Sand”, Queen’s University, Andy Take Sup.

Prix du rapport des étudiants du premier cycle (groupe)

1^{er} prix Jesse Zonneveld, Mat Stephenson, Shawn Matthies, Stephen Marks, “Tailings Storage Facility Prefeasibility Study”, Earth, Ocean and Atmospheric Sciences & Geological Engineering, University of British Columbia (Vancouver), Maureen Kelly Sup.

2^e prix Sam Balcom, Ahmed Hamad, David Quinn, Jeremy Wyatt, “Design and Construction of a Raised Embankment Tailings Storage Facility”, Department of Civil and Resource Engineering, Dalhousie University, Hany El Naggat Sup.

Bourse aux études graduées Michael Bozouk de la Fondation canadienne de géotechnique
Haley Schafer, Department of Civil and Environmental Engineering, University of Alberta

Prix Dennis Becker pour les étudiants à la maîtrise de la Fondation canadienne de géotechnique
Andrea Walsh, Department of Civil Engineering, Queen's University

Prix d'excellence en début de carrière Suzanne Powell, Thurber Engineering Ltd.

Prix A.G. Stermac Wayne Gibson, Gibson Group Management Inc.
Lynn Pugh, BiTech Publishers Ltd.
Don Lewycky
Seán Mac Eoin, AECOM
Ian Moore, Queen's University

Allocution R.M. Hardy Ryan Phillips, C-CORE
Colloquium canadien de géotechnique Kathy Kalenchuk, RockEng
Tournée de conférences pancanadiennes Charles Shackelford (printemps 2019)
Ian Moore (automne 2019)

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

Médaille Sir John Kennedy Suzanne Lacasse, Norwegian Geotechnical Institute
Médaille Julian C. Smith Jacques Locat, Université Laval
Médaille John B. Stirling Doug Stead, Simon Fraser University
Médaille Canadian Pacific Railway Kevin Biggar, Canadian Foundation for Geotechnique

Fellow de l'ICI Jean Côté, Université Laval
Fellow de l'ICI Craig Lake, Dalhousie University

Mérite du géoscientifique professionnel canadien 2019
John Clague, Simon Fraser University



**CANADIAN GEOTECHNICAL SOCIETY
SOCIÉTÉ CANADIENNE DE GÉOTECHNIQUE
BOARD OF DIRECTORS / CONSEIL DE DIRECTION**

**2019 BOARD OF DIRECTORS, OTHER POSITIONS AND NATIONAL OFFICE
MEMBRES DU CONSEIL DE DIRECTION ET DU PERSONNEL DU BUREAU NATIONAL, ET PERSONNES
OCCUPANT D'AUTRES POSTES EN 2019**

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 2020

Mario Ruel, ing.
390 Geneva Crescent
Mont-Royal, QC H3R 2A9
Tel: 514 943 1687
president@cgs.ca

Vice President Technical 2020

Vice-président technique
Robert Kenyon, P.Eng.
KGS Group
3rd Floor - 865 Waverley Street
Winnipeg MB R3T 5P4
Tel: 204-478-3227
rkenyon@ksgs.com

Vice President Financial 2020

Vice-président aux finances
Kent Bannister, P.Eng.
Trek Geotechnical Inc.
1712 St. James Street
Winnipeg MB R3H 0L3
Tel: 204 975 9433
kbannister@trekgeotechnical.ca

Vice President Communications & Member 2020

Services / Vice-présidente Communications et services aux membres

Judith Bouchard, ing.
Géotechnique et mécanique des roches
Unité Expertise en barrages
Hydro-Québec, Direction Barrages et infrastructures
75, boul. René-Lévesque Ouest, 3e étage
Montréal (Québec) H2Z 1A4
Téléphone: (514) 289-2211, poste 5652
bouchard.judith@hydro.qc.ca

Young Professional Representative 2019

Représentante des jeunes professionnels
Maraika De Groot, P .Eng.
Stephen J.R. Smith School of Business
Queen's University
Kingston ON K7L 3N6
Tel: 416 320 2907
maraika.degroot@queensu.ca

Technical Division Representative 2019

Représentant des divisions techniques
Jack Seto, P.Eng.
BGC Engineering Inc.
200, 8204-104 Street NW
Edmonton AB T6E 4E6
Tel: 780 466 0538
jseto@bgcengineering.ca

Section Representative 2019

Représentante des sections
Andrea Lougheed, P.Eng.
BGC Engineering Inc.
500 - 980 Howe St
Vancouver BC V6Z 0C8
Tel: 604 684 5900
alougheed@bgcengineering.ca

**Division Chairs
Présidents des divisions**

Cold Regions Geotechnology 2019

Géotechnologie des régions froides
Jack Seto, P.Eng.
BGC Engineering Inc.
200, 8204-104 Street NW
Edmonton AB T6E 4E6
Tel: 780-466-0538
jseto@bgcengineering.ca

Engineering Geology 2021

Géologie de l'ingénieur
Stephen D. Butt, P .Eng
Memorial University of Newfoundland
St. John's, NL, Canada, A1B 3X5
Tel: 709 864 8955 / Cell: 709 691 4237
sdbutt@mun.ca

Geoenvironmental 2020

Géoenvironnement
Magdalena Krol, P.Eng.
Lassonde School of Engineering, York University
Toronto, ON M3J 1P3
Tel: 416 736 2100 ext 31328
magdalena.krol@lassonde.yorku.ca

<p>Geosynthetics Géosynthétiques René Laprade, P. Eng. TenCate Geosynthetics 15 Cossar Drive Aurora, ON L4G 3N7 Tel: 289 221 8956 r.laprade@tencategeo.com</p>	2020	<p><i>Prince George Geotechnical Group</i> Warren Lemky, P.Eng. Geotechnical & Materials Engineering Ministry of Transportation & Infrastructure Suite 13, 1011 4th Ave. Prince George BC V2L 3H9 Tel: 250 565 6162 warren.lemky@gov.bc.ca</p>	2019
<p>Rock Mechanics Mécanique des roches Mohsen Nicksiar, P.Eng. SNC-Lavalin 8648 Commerce Court Burnaby, BC V5A 4N6 Tel: 604 515 5151 x 55253 Mohsen.Nicksiar@snclavalin.com</p>	2020	<p><i>Interior BC Section</i> Dwayne Tannant, P.Eng. School of Engineering University of British Columbia, Okanagan Campus 1137 Alumni Ave Kelowna BC V1V 1V7 Tel: 250 807 8723 dwayne.tannant@ubc.ca</p>	2020
<p>Soil Mechanics and Foundations Mécanique des sols et des fondations Dipanjan Basu, P.Eng. Department of Civil and Environmental Engineering University of Waterloo 200 University Avenue West Waterloo, ON N2L 3G1 Tel : 519 888 4567 x 31284 dipanjan.basu@uwaterloo.ca</p>	2020	<p><i>Calgary Geotechnical Society</i> Leanne McLaren, P.Eng. Phone: 403 829 2687 Email: lg.mclaren@gmail.com</p> <p><i>Geotechnical Society of Edmonton</i> Renato Macciotta Pulisci, P.Eng. Faculty of Engineering University of Alberta 12-324, 9211-116 St. Edmonton, AB T6G 1H9 Tel: 780 492 3366 macciott@ualberta.ca</p>	2020
<p>Groundwater Eaux souterraines Jasmin Raymond, géo. INRS-ETE 490 Rue de la Couronne Québec, QC G1K 9A9 418 654 2559 jasmin.raymond@inrs.ca</p>	2020	<p><i>Saskatoon Geotechnical Group</i> 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</p>	2019
<p>Section Directors Directeurs des sections</p>		<p><i>Regina Geotechnical Group</i> Kyle Mason, P. Eng. GKM Consultants 5620 Pearsall Crescent Regina, SK S4W 0K2 Tel: 450 441 5444 ext. 205 kmason@gkmconsultants.com</p>	2022
<p><i>Vancouver Island Geotechnical Group</i> Caroline Silins, P.Eng. Thurber Engineering Ltd. 100-4396 West Saanich Rd. Victoria BC V8Z 3E9 Tel: 250 727 2201 csilins@thurber.ca</p>	2021	<p><i>Manitoba Section</i> Alena James, P.Eng. Red River College 2055 Notre Dame Avenue Winnipeg, MB R3H 0J8 Tel: 204 632 3959 ajames30@rrc.ca</p>	2019
<p><i>Vancouver Geotechnical Society</i> Andrea Lougheed, P.Eng. BGC Engineering Inc. 500 - 980 Howe St Vancouver BC V6Z 0C8 Tel: 604 684 5900 alougheed@bgcengineering.ca</p>	2019		

<i>Thunder Bay Section</i>	2019	<i>Section régionale Ouest-du-Québec</i>	2020
Wesley Saunders, P. Eng GKM Consultants Inc. 351 Hartviksen Street Thunder Bay ON P7A 3M5 Tel: 807 629 8762 wsaunders@gkmconsultants.com		Michael James Agnico Eagle Mines Limited 145 King St. East, Suite 400 Toronto, ON M5C 2Y7 Tel : 819 763 1089 michael.james@agnicoeagle.com	
<i>Sudbury Section</i>	2019	<i>Section régionale Est-du-Québec</i>	2021
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		Ariane Locat, ing. 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	
<i>London Section</i>	2019	<i>New Brunswick Section</i>	2020
Andrew Stewart, P. Eng. 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		Christopher McQueen, P. Eng. Englobe 1077, St. George Blvd. Suite 400 Moncton, NB E1E 4C9 Tel: 506 384 5555 Christopher.McQueen@englobecorp.com	
<i>Southern Ontario Section</i>	2020	<i>Nova Scotia Section</i>	2019
Billy Singh, P. Eng. Terraprobe Inc. 11 Indell Lane, Brampton ON L6T 3Y3 Tel: 905 796 2650 (Ext. 122) bsingh@terraprobe.ca		Sheri Burton, P.Eng. Golder Associates Ltd. Suite 25-26, 201 Brownlow Avenue Dartmouth NS B3B 1W2 Sheri_Burton@golder.com	
<i>Kingston Section</i>	2021	<i>St. John's Section</i>	2021
E. Maria Skordaki Civil Engineering / Génie civil Royal Military College of Canada / Collège militaire royal du Canada Kingston, Ontario K7K 7B4 Tel: 613-541-6000, local/poste 8779 Efrosyni.Skordaki@rmc.ca		Andrew Peach, P. Eng. Golder Associates Ltd. 11 Austin Street - Suite 101 St. John's, Newfoundland A1B 4C1 Tel : 709 722 2695 Ext. 2611 Andrew_Peach@golder.com	
<i>Ottawa Geotechnical Group</i>	2021	<i>Editor Canadian Geotechnical Journal</i> <i>Le directeur de la rédaction de la Revue</i> <i>canadienne de géotechnique</i>	
Paul Simms, P.Eng. Dept. of Civil and Environmental Engineering Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6 Tel: 613 520 2600 Ext 2079 paul_simms@carleton.ca		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	

Editor, CGS News in Geotechnical News 2021
Directeur de rédaction des Nouvelles de la SCG dans Geotechnical News
Nicholas Beier, P.Eng.
Civil and Environmental Engineering
6-215 Donadeo Innovation Centre for Engineering
9211-116 Street, University of Alberta
Edmonton, Alberta T6G 1H9
Tel: 780 492 8183
nabeier@ualberta.ca

Representative of CSCE on CGS Board June 2019
Représentant de la SCGC sur le Conseil de la SCG
Michel Khouday, P.Eng.
president@csce.ca; khouday.michel@gmail.com

Chairs of Technical Committees Présidents Comités Techniques

Education Committee 2019
Comité sur l'éducation
Tareq Salloum, P.Eng.
ONTARIO POWER GENERATION Inc.
ND1, 14000 Niagara Parkway, RR # 1
Tel: 905 870 2240
tareq.salloum@gmail.com

Geohazards Committee 2019
Comité sur les géorisques
Dave Gauthier, P.Eng.
BGC Engineering Inc.
523 Frontenac St
Kingston ON K7K 4L9
Tel: 613 893 4920
DGauthier@bgcengineering.ca

Heritage Committee 2019
Comité sur le patrimoine
Heinrich K. Heinz, P.Eng.
Thurber Engineering Ltd.
180, 7330 Fisher Street SE
Calgary AB T2H 2H8
Tel: 403 253 9217
HHeinz@thurber.ca

Mining Geotechnique Committee 2021
Comité technique sur la géotechnique minière
Thomas Pabst, ing.
Polytechnique Montréal, Dépt. CGM
Bureau A-360
C.P. 6079, succ. Centre-Ville
Montréal (QC), H3C 3A7
Tél: 514-340-4711, ext. 4731
t.pabst@polymtl.ca

Professional Practice Committee 2019
Comité sur la pratique professionnelle
James Blatz, P. Eng.
University of Manitoba
Department of Civil Engineering
E1-332 EITC
Winnipeg MB R3T 5V6
Tel: 204-474-9816
James.Blatz@ad.umanitoba.ca

Sustainable Geotechnics Committee 2021
Comité sur la géotechnique durable
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

Transportation Geotechnique Committee 2019
Comité sur la géotechnique des transports
Donald Lewycky, P.Eng.
Edmonton AB
don.lewycky@gmail.com

Membership Committee
Comité des membres
Vacant

Geotechnical Research Board 2019
Conseil de la recherche en géotechnique
Bruno Bussiere, ing.
Université du Québec en Abitibi-Témiscamingue
445 boul. de l'Université
Rouyn-Noranda QC J9X 5E4
Tél : 819 762 0971 ext. 2531
Bruno.Bussiere@uqat.ca

Past President / Ancien président 2019
Dharma Wijewickreme, P.Eng.
Dept. of Civil Engineering
University of British Columbia
6250 Applied Science Lane
Vancouver BC V6T 1Z4
Tel: 604 822 5112
dharmaw@civil.ubc.ca

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

8828 Pigott Road
Richmond BC V7A 2C4
Tel: 604 277 7527
Toll Free: 1 800 710 9867

Executive Director / Directeur général

Michel Aubertin, ing.

ExecDir@cgs.ca ; DirGen@cgs.ca

Administrator / Administrateur

Gibson Group Management Inc.

Director, Administration and Finance /

Directeur, Administration et finances

Wayne Gibson, P.Eng.

cgs@cgs.ca

Director, Communications and Member Services /

Directrice, Communications et services aux membres

Lisa (McJunkin) Reny

admin@cgs.ca

Communications Coordinator /

Coordonnatrice des communications

Emily Fournier

efournier@cgs.ca

**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)

Mario Ruel, ing.

president@cgs.ca

Representative to CFES Council

Représentant sur le Conseil de la FCST

(Vice President Technical / Vice-président technique)

Robert Kenyon, P.Eng.

rkenyon@kqsgroup.com

Representative to CSCE Board

Représentante sur le Conseil de la SCGC

(CGS President /Président de la SCG)

Mario Ruel, ing.

president@cgs.ca

President Annual Report – Mario Ruel, President 2019-2020
July 1, 2018 to June 30, 2019

This is my first President Report (covering the period from July 01, 2018 to June 30, 2019) to be presented at the Canadian Geotechnical Society (CGS) Annual Board of Directors Meeting, on September 29, 2019, in St. John's, NL.

Fall 2018 (End of previous term)

On Jan 1, 2019, a new Executive Committee (EC) took over Dharma Wijewickreme's team who did an excellent job in managing the CGS, leaving it in very good shape. In addition to running the affairs of the society flawlessly, important progress was accomplished on various fronts, such as:

- enhanced member services and improved website (with a personalized "myCGS" dashboard; I invite you to log on and try it!);
- development of a strategic communication plan by a new special task force;
- completion of the final CFEM 4th edition Errata;
- setting up the stage to develop the new CFEM online version;
- member engagement, with new student chapters, improved relation with local sections;
- control of finances based on balanced budget, despite increasing challenges.

The previous administration last EC meeting was held on Nov 20th and they prepared the transition to help our team start its mandate efficiently. Thanks again to this Executive Committee, which also included **Suzanne Powell**, VP Technical; **Kent Bannister**, VP Finance; **Jean Côté**, VP Communications and Member Services; **Nicholas Vlachopoulos**, Technical Division Representatives; **Andrea Lougheed**, Section Representative; and **Maraika De Groot**, Young Professionals Representative.

New EC

While running the affairs of the CGS as professionally as possible and as we face new transition challenges, our EC's mission is guided by efforts and attention on four major pillars:

1. Encourage and welcome our **young geo-professionals** to join and stay with the CGS,
2. Invite active participation of more **women** colleagues in our Society and our profession in search of a better **gender balance**,
3. Increase services to all, while making **Francophones** from across Canada feel part of the CGS family, and
4. Seek higher level of participation and interest from **geo-practitioners**.

The above will be important contributing factors, not only to preserve membership but also to increase it and making it as sustainable as possible.

In addition to taking care of the regular CGS business, in the coming months our team will be faced with major transitions for the:

- replacement of Bi-Tech as publisher of the CGS quarterly Magazine,
- change from the GGMI to Karma-Link to take care of the Administrative affairs of the Society (with a new National Office location).

The new online CFEM will be our most visible and tangible deliverable in the coming years. This will draw a lot of interest from not only our membership but also from the geotechnical community at large. **Rob Kenyon** (VP Technical) has already had a good start with our new CFEM coordinator **Ken Skafffeld**.

Our EC started aggressively by following up on initiatives from the previous EC and advancing our own early action plan. It will be essential to carry our duties while having as much fun as possible working together.

Below is a brief overview of some of the activities over the first part of 2019.

Relations with Affiliated Organizations

I am committing to actively representing CGS within other organizations. I participated at the last board meeting of the CSCE and intend to keep close ties with this Society by meeting at their national office in Montreal (following my participation at their last annual conference in Laval, QC, on June 12 to 15, 2019). I have had fruitful discussion with their future President, Catherine Mulligan, who is also part of the CGS community.

As CGS President, I was also invited by the ASCE Geo-Institute to their GeoCongress in Philadelphia in March 2019. This was a very successful conference where I had the pleasure of working on some committees with **Tim Newson**, CGS member and North American VP ISSMGE. During this GI event, CGS past President and past Legget medalist, **Suzanne Lacasse**, had the honour of delivering the keynote address entitled 'Tribute to Ralph Peck and Observational method'.

The GI will organize their next annual conference in collaboration with CGS in February 2020 in Minnesota, taking advantage of our recent MOU signed last year at GeoEdmonton 2018.

CGS will also maintain close contact with other organizations, such as the IAEG, where we will work with CGS member **Jean Hutchinson**, VP for North America.

Engineering Institute of Canada

At the end of March, I had the honour of representing the CGS at the EIC Awards Gala. The EIC provides some of the most respected engineering awards in Canada. I was very proud to see that, as in previous years, the CGS was very well represented with our members **Suzanne Lacasse**, **Kevin Biggar**, **Jacques Locat** and **Doug Stead** being awarded prestigious EIC Medals, while **Jean Coté** and **Craig Lake** were inducted as Fellows of the EIC.

Consult the EIC web site (eic-ici.ca) to learn more about these awards

I also represented the CGS at the EIC Council meeting, where many topics of interest were discussed.

You will find in the various reports submitted to the BOD information about CGs specific activities held since the last BOD meeting. Here are a few highlights.

Technical

At the end of 2018, the CGS selected Ken Skafffeld as the Canadian Foundation Engineering Manual (CFEM) Coordinator. The goal is to release the next Edition of the Manual "online". Those involved have reviewed and finalized the proposed content of the manual and chapter lead authors have been identified. The first Chapter to be issued (in 2020) will deal with Limit States Design, with the other chapters coming online in 2021.

Dr. **Alex Sy** (Klohn-Crippen) completed a very successful Cross Canada Lecture Tour in the fall of 2018, while Prof. **Charles Shackelford** (Colorado State U.) delivered the CCLT in the Spring 2019. Prof. **Ian Moore** (Queen's University) will be our next CCLT speaker this Fall.

The 2018 Colloquium speaker, **Matt Lato**, accepted the CGS offer to deliver his presentation at Universities across the country. Following the selection process lead by the Geotechnical Research Board (GRB), **Kathy Kalenchuk** will present the 2019 Colloquium at GeoSt.John's.

The various Technical Divisions and Committees have also been very active over the last year or so, as indicated by their various reports submitted to the BOD (which will be included in the CGS Annual Report)

I was glad to participate as one of the judges for the Branko Ladanyi student contest in Montreal in early March. The winner of this annual event, organized by the Western Québec Section since 2009, is invited to the Annual CGS

Conference. Similar contests are also occurring in several CGS sections across Canada to encourage the active participations of students.

The Canadian Geotechnical Journal, CGJ, remains highly regarded. The Editors received 888 manuscripts in 2018 (compare to 761 in 2017); the acceptance rate was 21%. The CGJ is an excellent resource for our members.

Financial

CGS continues to be in a strong financial position. The budget was balanced in 2018 and all items are generally tracking according to the budget for 2019. Efforts are needed however to maintain the revenues and control expenses, while managing prudently the financial assets.

Communication and Member Services

The Membership Committee (MC) is off to a dynamic start with the introduction of creative ways to provide better services. The MC produced a comprehensive Member Data and Survey Report to assess historical data and our member's expectations. The results will be used to plan initiatives to enhance member's experience and increase membership.

A communication campaign for social media will be introduced this Fall to better inform our members and non-members about initiatives and how the CGS works.

The CGS LinkedIn and Facebook pages and the Twitter feed continue to attract more member signups and interest.

Efforts to encourage women and gender balance saw tangible progress, such as publications with emphasis on Women in Canadian Geotechnique and hosting a Women's Networking Breakfast during GeoSt.John's.

BiTech will publish **Geotechnical News** until year end. The transition with the new magazine and publisher, Karma-Link, is progressing well, in collaboration with the EC and the CGS Communication Task Force (CTF). **Nicholas Beier** will remain the Editor of CGS News

Sections

Most CGS Sections across the country are active, with an average of 6 events per year. We are glad to report increased interactions between Sections through funds donated to smaller sections, webcasting of technical lectures, and collaboration on the recent Burland presentations.

Young Professionals

A great initiative was led by YP Representative **Maraika DeGroot** to create Student Chapters, as a pilot project this fall.

The cYGEgc 2019 in St. John's will involve about 40 young delegates. VP Finance, **Kent Bannister**, and myself have been invited to present keynote addresses by the organizing committee.

YP and Student Icebreaker will be held at GeoSt.Johns, similarly to the one in GeoEdmonton 2018.

The first Early Achievement Award will be presented at GeoSt.John's 2019.

Conferences

In addition to the Conferences already mentioned above, the CGS is also involved with the organisation of various events (see CGS web site and Annual Report).

Administrative

The National Office will be moving in October 2019, following the contractual agreement with Karma-Link.

Ian Moore will become the CGS President-elect for 2020, and the President of the Society for the period 2021-2022.

Reinforced cyber security measures have been implemented on the CGS website.

Acknowledgements

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 am very impressed to see how much time and effort your new Executive Committee members are investing to deal with their responsibilities. I want to express my sincere thanks to a great team:

- **Rob Kenyon**, VP Technical
- **Judith Bouchard**, VP Communication & Member services.
- **Kent Bannister**, VP Finance.
- **Jack Seto**, Technical Division Rep
- **Andrea Loughheed**, Section Representative. and
- **Maraika De Groot** Young Professionals representative.

Thanks also to our CGS National office: Executive Director, **Michel Aubertin**; Director of Communications and Member Services, **Lisa McJunkin**; Director of Finance and Administration, **Wayne Gibson**; and Communications Coordinator, **Emily Fournier**. We appreciate their dedication and guidance.

Rapport annuel du président – Mario Ruel
Du 1^{er} juillet 2018 au 30 juin 2019

Notre Société continue d'être forte et en santé et notre Comité exécutif (CE) a déjà été confronté à plusieurs possibilités et à certaines questions relatives aux transitions. Le CE a également accepté le défi de produire le **nouveau Manuel canadien d'ingénierie des fondations (MCIF) en ligne**, notre contribution la plus tangible. Cela suscitera beaucoup d'intérêt non seulement de la part de nos membres, mais aussi de la communauté géotechnique dans son ensemble. **Robert Kenyon** (v.-p. technique) a déjà bien entrepris ce travail avec notre nouveau coordonnateur du *MCIF* **Ken Skafffeld**.

Notre équipe consacrera ses efforts à quatre grands piliers, qui guideront notre mission au cours de notre mandat :

- 1- Les **jeunes** professionnels en géotechnique sont invités à se joindre à nous;
- 2- Les **femmes** sont fortement encouragées à participer en plus grand nombre dans le but d'atteindre un meilleur équilibre entre les sexes;
- 3- Les **francophones** devraient sentir qu'ils font partie de la famille de la SCG;
- 4- Les **géopraticiens** devraient également participer davantage et démontrer un plus grand intérêt.

Nous avons déjà fait des actions et pris des mesures concrètes pour améliorer notre performance par rapport à la plupart de ces piliers et nous nous efforçons aussi de resserrer nos liens avec les sections locales, car nous croyons qu'il est important de préserver et d'augmenter le nombre de nos membres pour que notre SCG connaisse le plus de succès possible. Notre CE se concentre intensément sur le développement des initiatives des précédents CE et s'efforce de le faire tout en faisant avancer notre propre plan d'action. En tête de notre liste est de réussir la transition de la publication du magazine trimestriel de la SCG et du contrat de gestion de l'administration de la SCG à Karma-Link, car les propriétaires de BiTech et de GGMI ont décidé de prendre leur retraite. Nous exercerons nos fonctions avec le soutien de tous les membres du Conseil d'administration tout en ayant le plus de plaisir possible à travailler ensemble.

Voici un aperçu de ce que nous avons accompli au cours de la première partie de notre mandat.

Les activités techniques

Le MCIF/CFEM – Nouvelles : Le travail du coordonnateur de projet pour la création du *MCIF2021*, **Ken Skafffeld**, a bien progressé en 2019 avec la production du plan des chapitres, la sélection des auteurs principaux et des contributeurs des chapitres, ainsi que le début de la rédaction de certains. Notre but est d'offrir le *MCIF2021* en ligne. Le premier chapitre qui paraîtra en 2020 sera Calcul aux états limites, et les autres chapitres seront en ligne en 2021.

La Tournée de conférences transcanadienne (TCT) : Le conférencier de la TCT de l'automne 2019 sera **Ian Moore**, de l'Université Queen's, suivi de **Guy Houlsby**, de l'Université Oxford au printemps 2020, et de **Doug Stead**, de l'Université Simon Fraser à l'automne 2020.

Le Colloquium : Dans le cadre de la Série de conférences du Colloquium, le conférencier du Colloquium 2018 de la SCG, **Matt Lato**, a donné des présentations dans différentes universités au pays, une initiative directement liée aux jeunes (1^{er} pilier). **Kathy Kalenchuk** présentera le Colloquium 2019 à la conférence GéoSt.John's.

Les finances

La SCG continue d'être dans une excellente situation financière. Le budget était équilibré en 2018 et tous les postes sont généralement conformes au budget de 2019. Des efforts sont toutefois nécessaires pour maintenir les revenus et contrôler les dépenses, tout en gérant prudemment les actifs financiers.

Le 31 décembre 2018, la SCG comptait 1 396 membres (1 426 en 2017, 1 388 en 2015). Les nouvelles initiatives d'investissement comprennent cette année la commandite de la Conférence canadienne des jeunes géotechniciens et géoscientifiques (CCJGG), de GéoCélébration du Groupe géotechnique de Regina, du déjeuner pour les femmes en génie et de la mini-tournée du professeur Burland. Cela s'inscrit dans notre mission par rapport aux jeunes, aux femmes et aux praticiens dans le but de maintenir la loyauté et d'encourager l'adhésion.

Les communications et les services aux membres

Le **Comité des membres** (CM) connaît des débuts dynamiques avec la présentation de façons créatives d'offrir de meilleurs services. Le CM a produit un rapport exhaustif sur des données sur les membres et les sondages réalisés auprès d'eux pour comprendre les données historiques sur l'adhésion et pour évaluer les attentes de nos membres. Les résultats serviront à planifier des initiatives visant à améliorer l'expérience des membres et à en augmenter le nombre.

Une **campagne de communication** sur les médias sociaux sera présentée cet automne pour mieux informer nos membres et les non-membres de nos initiatives et du fonctionnement de la SCG.

Les pages LinkedIn et Facebook et le fil Twitter de la SCG continuent d'attirer davantage d'abonnés et de susciter de l'intérêt.

Les efforts pour équilibrer les sexes ont donné lieu à des progrès tangibles, qui comprennent des publications axées sur les femmes dans le domaine de la géotechnique au Canada et la tenue d'un Déjeuner de réseautage pour les femmes durant la conférence GéoSt.John's.

BiTech publiera le magazine **Geotechnical News** jusqu'à la fin de l'année. La transition vers le nouveau magazine et le nouvel éditeur, Karma-Link, progresse bien, en collaboration avec le CE et le Groupe de travail sur les communications (GTC) de la SCG.

Les sections

La plupart des sections au pays sont actives, avec une moyenne de six événements par année. Nous sommes heureux de signaler une augmentation des interactions entre les sections grâce aux fonds donnés aux plus petites sections, à la webdiffusion de conférences techniques et à la collaboration réalisée dans le cadre des présentations du professeur Burland.

Les jeunes professionnels

La représentante des jeunes professionnels **Maraika DeGroot** est à la barre d'une formidable initiative, le projet pilote des chapitres étudiants, qui se déroule cet automne. Par ailleurs, environ 40 jeunes délégués participeront à la CCJGG 2019. Une réception d'accueil pour les étudiants et les jeunes professionnels aura lieu à la conférence GéoStJohn's, semblablement à celle qui s'est déroulée à GéoEdmonton 2018. Le premier Prix d'excellence en début de carrière sera présenté à GéoSt.John's 2019.

Les conférences annuelles de la SCG

En plus des conférences susmentionnées, la SCG participe également à l'organisation de différents événements (voir le site Web et le rapport annuel de la SCG).

Les affaires administratives

- La cybersécurité a été accrue sur le site Web de la SCG.
- La transition de la gestion des affaires administratives de la SCG, du GGMI à Karma-Link, est en cours.
- **Ian Moore** sera le président désigné pour 2020 et deviendra le président de la Société pour la période 2021-2022.

Remerciements

Je suis très impressionné de voir combien de temps et d'efforts vos nouveaux membres du CE investissent, car ils s'acquittent déjà efficacement de leurs fonctions. Je remercie sincèrement les membres de mon équipe qui ont accepté de travailler avec moi sur notre CE. **Rob Kenyon**, à titre de v.-p. technique, dont le travail est fortement axé sur la production du nouveau *MCIF* en ligne. **Judith Bouchard**, v.-p. aux communications et aux services aux membres, cristallise déjà son plan stratégique de « communication » et ses façons novatrices de servir nos membres. **Kent Bannister** a accepté de poursuivre son travail assidu sur la bonne gestion des finances à titre de v.-p. aux finances. **Jack Seto**, représentant des divisions techniques, **Andrea Lougheed**, représentante des sections, et **Maraika De Groot**, représentante des jeunes professionnels, réaliseront leurs fonctions et initiatives de manière dynamique jusqu'à la fin de cette année.

Merci aussi au personnel du bureau national de la SCG : le directeur général, **Michel Aubertin**; la directrice des communications et des services aux membres, **Lisa (McJunkin) Reny**; le directeur des finances et de l'administration, **Wayne Gibson**; et la coordonnatrice des communications, **Emily Fournier**. Nous avons apprécié leur dévouement pour la précédente administration, et nous nous réjouissons de leurs judicieux conseils qui ont permis à notre nouvelle équipe de commencer efficacement son mandat.

Vice-President Technical Annual Report – Rob Kenyon
July 1, 2018 to June 30, 2019

1.0 General update

This is my first report annual report since taking over the position of VP Technical from Susanne Powell and I would like to thank Suzanne for her excellent contributions to the Society and for her assistance as I transitioned into the position. In that regard this report represents Suzanne's leadership until December 31, 2018 followed by my contributions beginning in January 1, 2019. Much of my time and energy has been spent on the next edition of CFEM, as well as the regular duties of CCLT, Conference Planning, Committees, Awards, Nominations etc. I do thank Ken Skafffeld for coming on board to assist and drive the next addition of the CFEM.

2.0 Cross Canada Lecture Tours (2019, 2020, 2021)

Planning and organizing for the CCLT is in good hands with many thanks to Wayne for the organizing part as well as our CCLT speakers who put an enormous amount of time and effort into this speaking engagement.

Fall 2019	Ian Moore (Queen's University)
Spring 2020	Guy Houlsby (Oxford University)
Fall 2020	Doug Stead (Simon Fraser University)
Spring 2021	Steve Kramer (Washington State)
Fall 2021	Jocelyn Hailey (University of Calgary)

I have an active list which will be followed for the year 2022.

3.0 CFEM/MCIF – Online Manual

I am very pleased to report that significant traction and inertia is underway with the Manual. Bringing Ken Skafffeld on board as the Project Coordinator was the best decision in moving this critical project forward. We are tentatively calling the next version "CFEM 2021". I also want to say that the response from the geotechnical community, academic, industry, and consulting has been absolutely tremendous. We cannot thank everyone enough to this point in time

- Ken Skafffeld has been retained as the Project Coordinator for the Manual
- Dennis Becker has agreed to act as head of the Technical Advisory Committee
- English and French electronic files were located
- Numerous meetings with the previous editors (Dennis B., Ian Moore) were completed as part of review of background information.
- The Table of Contents was reviewed and updated.
- Chapter Leads have been identified for all chapters and individual Chapter preparations are underway.
- The intent is that the bulk of the chapters or bulletins will be online, late 2021.
- The first online chapter or bulletin will be Limit State Design by Gord Fenton. Gord is currently on sabbatical and working on the draft. That should mean that we are online beginning in 2020 with our first chapter or bulletin.
- A small group (RK/KB) is now looking at the electronic publishing and marketing strategy but have nothing specific to report at this meeting. Expect a recommendation by year end in that regard.
- In the meantime, we do have enough printed copies of CFEM 4 (685 of CFEM and 220 of MCIF).

Copies of the CFEM 2021 Chapter Outline and the List of Authors are appended to this report.

4.0 Colloquium Lecture Series

The Colloquium Lecture Series is strong and active and has been show casing young emerging talent within CGS for decades. The 2018 Colloquium speaker in Edmonton was Matt Lato. The 2019 Colloquium speaker at GeoSt.John's will be Dr. Kathy Kalenchuk. The 2020 Colloquium speaker will be selected by the Geotechnical Research Board and announced at the St. John's conference.

In recent years some of the Colloquium speakers have taken the presentation “on the road”, offering it to various sections within Canada. To this point in time, CGS has sponsored and paid for the travelling costs but not helped with organization. There has been some discussion and requests lately that CGS should also provide the organizational assistance to the Colloquium speaker series in a similar fashion to the CCLT speaker, i.e. we organize it for the speaker, and we pay for it. This warrants some further discussion at EC level. I would be prepared to raise a motion at the Annual Board Meeting in that regard. I think this is a very excellent form of outreach, not only to our Membership but also to our Young Professionals.

5.0 CGJ

The CGJ continues to excel with a total of approximately 888 manuscripts having been received in 2018 (761 were received in 2017). The acceptance rate in 2018 was 21% based on the numbers published. This compares to a 2017 acceptance rate of 27% only because the number of pages is fixed in any given year. The Thomas Reuters’ Impact Factor decreased ever so slightly from 2.565 to 2.437. Elsevier’s 2018 SJR (Scimago Journal Rank) a measure of influence and prestige dropped slightly from 1.813 to 1.753. Thank you to the Editors, the Associate Editors and the Paper Reviewers for an outstanding job. The CGJ continues to be an internationally recognized journal and an excellent resource for our members.

Craig Lake and Daichao Sheng have continued as co-editors and we thank them as they continue the tradition of this world class journal.

6.0 CGS News

Change has come to CGS News with the retirement of long time Editor Don Lewycky and the takeover by Nicholas Beier. CGS thanks Don for all his very dedicated and hard work and efforts in this regard as well as the numerous other contributions to CGS. Thank you so much to Nicholas for taking this on.

Geotechnical News continues to be published four times per year (March, June, September, December) with mandatory items as per the CGS Manual.

Kevin Biggar has submitted several articles on behalf of CFG and the sections on CGS Award Winners has been expanded. The next emphasis will be to engage the CGS Student Chapters and to continue to solicit news and articles from Divisions and Committees and Sections.

7.0 Links and Joint Activities

Links and joint activities are generally reported as part of Committee and Division Reports. Both Committees and Divisions remain very active with other National and International organizations: A brief, perhaps incomplete summary might look something like:

- Cold Regions affiliated with CPA (Lucas Arenson, President), and CNC-IPA (Ed Hoeve, Exec. Committee)/ Cold Regions Conference in Quebec, in Aug/19
- Engineering Geology affiliated with CFES, IAEG, NA AEG Engineering Geology Division. Jean Hutchinson is VP International for IAEG.
- Groundwater Division has strong relationship with AIH-CNC, organizing joint conferences and awards.
- Geosynthetics is affiliated with IGS NA and with IGS (CGS has non-voting position on IGS NA Board).
- Soil Mechanics is affiliated with ISSMGE.
- Rock Mechanics is affiliated with CARM (Sam Proskin, President), ISRM, and ARMA (Doug Stead, Past Chair)
- Transportation Committee is affiliated with TAC (Roger Skirrow), Rail Ground Hazard Research Project (Numerous), AEG (Mario Ruel), ISSMGE TC 202 Transportation (Mario Ruel), as well as the TRB, GeoRail, and the UK Institute Permanent Way.

- Geohazards committee collaborates with CGS Geology and Transportation committees, as well as US AEG (Schuster Medal), and Joint IAEG Commission C 37 Landslides Nomenclature (Scott McDougall, Dave Cruden).
- Heritage is interacting with Education and with ASCE GeoStrata.
- Education Committee has been working with Young Professionals to establish student chapters across Canada. That effort has been very successful (7 excellent proposals received) as reported by MD. All have been approved with first activities underway.

8.0 Committees

All seven standing committees remain very active this past year. I have attached a Committee Dashboard Table summarizing the status, activities, affiliations, and future plans for each. Individual reports are appended to my report for further details. I continue to be impressed by the level of effort and initiative that I see within each of the committees.

9.0 Conferences

9.1 CGS Annual Conferences

GeoEdmonton 2018: The GeoEdmonton conference was very successful technically and financially

St John's 2019: Organization is well in hand in all areas. Attendance and financial numbers looking positive at this point in time. RK, KB, and MA attending monthly planning meetings.

Calgary 2020: Planning is well underway with venues, keynote speakers, hotels, established. The committee will roll out the website at GeoSt.Johns. RK, KB attending monthly meetings. No particular issue at this point in time.

Conference 2021 (SOS – Niagara Falls): Draft MOU presented in May by RK and under review. Local committee had not been filled out and formed at the time I submitted the Draft MOU. I did meet with the Chair in July. I expect to finalize this MOU in early September or at GeoStJohns.

Conference 2022: Formal proposal has been received from Saskatoon.

9.2 Other CGS conferences

- GeoHazards Proceedings on CGS web site
- Cold Regions 2019, Quebec City (update)
- GeoCongress, GI, 2020 (Minnesota) – financial agreement 2019
- GeoHazards 8, Quebec City in 2022 Proposal from A. Locat (?)
- Others

***Rapport du vice-président technique – Rob Kenyon
du 1er juillet 2018 au 30 juin 2019***

Les conférences commanditées, co-commanditées et subventionnées par la SCG/CGS La 71^e conférence canadienne de géotechnique (CCG) annuelle et la 13^e conférence conjointe SCG/AIH-SNC sur les eaux souterraines, GéoEdmonton 2018, ont eu lieu du 23 au 26 septembre 2018, au Centre des congrès Shaw, à Edmonton. La conférence a attiré 723 délégués, exposants, commanditaires, bénévoles et invités. Au total, 71 exposants ont soutenu la conférence. La 72^e CCG annuelle se déroule à St. John's, à Terre-Neuve-et-Labrador, la 73^e conférence est prévue à Calgary, en septembre 2020, et la 74^e conférence annuelle de la SCG, dans le Sud de l'Ontario, à Niagara Falls. Les autres

conférences comprennent la Conférence canadienne des jeunes géotechniciens et géoscientifiques, la 6^e CCJGG, qui a eu lieu cette année conjointement avec la conférence à St. John's, de même que la 18^e conférence internationale sur l'ingénierie des régions froides et la 8^e Conférence canadienne sur le pergélisol, qui se sont tenues du 18 au 22 août 2019, à Québec. La SCG s'associe au Geo-Institute de l'ASCE et le soutient dans la préparation du GeoCongress 2020, à Minneapolis (MN), et la Section Est du Québec de la SCG a amorcé la planification de la conférence Géorisques 8 qui se tiendra à Québec en 2022.

La Tournée de conférences transcanadienne (TCT/CCLT) La TCT de l'automne 2019 sera présentée par Ian Moore, de l'Université Queen's, suivi de Guy Houlsby, de l'Université Oxford au printemps 2020, et de Doug Stead, de l'Université Simon Fraser à l'automne 2020.

MCIF/CFEM – Manuel en ligne La SCG a embauché Ken Skafffeld pour agir à titre de coordonnateur de projet pour la création du *Manuel canadien d'ingénierie des fondations 2021*. Au cours des neuf derniers mois, un plan des chapitres a été établi, des auteurs principaux et des contributeurs ont été affectés à chaque chapitre et la production a commencé. Le premier chapitre en ligne en 2020 sera Calcul aux états limites. Pour communiquer avec Ken Skafffeld : cfem2021@trekgeotechnical.ca.

Le Conseil canadien de recherche en géotechnique (CRG/GRB) et la Série de conférences du Colloquium Le conférencier du Colloquium 2018 de la SCG à Edmonton était Matt Lato. La conférencière du Colloquium 2019 à la conférence GéoSt.John's sera la Dre Kathy Kalenchuk. Le CRG/GRB a organisé une séance spécialisée pour GéoSt.John's sur le nouveau programme du Conseil de recherches en sciences naturelles et en génie du Canada (Alliance).

La RCG/CGJ Un total de 888 manuscrits ont été reçus en 2018. Le taux d'acceptation en 2018 a été de 21 %. Merci aux rédacteurs, aux rédacteurs adjoints et aux réviseurs d'article pour leur travail remarquable. Craig Lake et Daichao Sheng ont continué d'agir à titre de corédacteurs, et nous les remercions alors qu'ils poursuivent la tradition de cette revue de classe mondiale.

Les comités

- Le **Comité sur la géotechnique durable** a révisé les articles pour la conférence annuelle de la SCG, a appuyé une conférence sur le géoenvironnement à l'Université Concordia et a mis sur pied un blogue et d'autre contenu pour la page Web.
- Le **Comité sur l'éducation** continue d'organiser les concours de la SCG pour les étudiants et d'administrer la bourse nationale pour études supérieures Michael Bozozuk de la Fondation canadienne de géotechnique ainsi que le Prix Dennis Becker pour les étudiants gradués.
- Le **Comité sur la géotechnique des transports** est actif avec d'excellentes initiatives en matière d'ingénierie des chemins de fer et des routes et de recherche dans ces domaines.
- Le **Comité sur les pratiques professionnelles** a commandité une séance spécialisée à la conférence GéoEdmonton sur la « Diversité en génie » et en commandite une autre dans le cadre de la « Simulation de procès » du cabinet d'avocats de litige Gowlings LLP à St. John's.
- Le **Comité sur les géorisques** a numérisé les précédents comptes-rendus des conférences sur les géorisques, a aidé à présenter la proposition de la Ville de Québec pour Géorisques 8, travaille à la publication des Landslide Guidelines en collaboration avec la SIMSG et coordonne la planification du 4^e North American Symposium on Landslides.
- Le **Comité sur la géotechnique minière** a donné cinq sessions lors de la conférence GéoEdmonton, a soumis un article à *Geotechnical News*, et a participé à la 22^e International Conference on Tailings and Mine Waste à Keystone, au Colorado, en octobre 2018, ainsi qu'à la 6^e International Oil Sands Tailings Conference, à Edmonton, en décembre 2018.

- Le **Comité sur le patrimoine** a continué à téléverser des projets patrimoniaux sur le site Web de la SCG, y compris « Histoire des femmes dans le domaine de la géotechnique au Canada » ainsi qu'un ensemble d'articles sur l'histoire de la géotechnique des sables bitumineux, et poursuit sa série d'« entrevues avec des légendes canadiennes » en collaboration avec le Comité sur l'éducation.

Vice-President Finance Annual Report – Kent Bannister
CGS 2019 Financial Report (January 1 to July 31)

Introduction

The following is a statement of the CGS finances for the seven-month period January 1 to July 31, 2019.

Summary of Revenue and Expenses to July 31, 2019

Revenues to date (including prepaid revenues received in 2018 for 2019 membership) are \$285.9K compared to \$238.8K for the same period in 2018, an increase of \$47.1K. Membership revenue is up \$32.7K, publications income is up \$5.2, and the collection of sponsorship income is ahead of 2018 for this period by \$9.5K.

	2017 Actual	2018 Actual	2019			2020 Proposed Budget
			Budget	Actual to June 30	Projected to Dec 31	
Revenue X \$1,000						
Membership Dues	249.3	227.8	279.0	250.4	269.0	269.0
Publications	27.9	31.8	20.0	20.6	30.0	30.0
Conferences	48.4	80.1	40.0	0	40.0	35.0
Sponsorships	11.5	11.0	24.0	10.5	24.0	24.0
Miscellaneous	2.8	4.2	4.0	2.1	4.0	4.0
REVENUE	339.9	354.9	367.0	283.6	367.0	362.0
Expenses x \$1,000						
Intl. Memberships	34.0	30.6	30.0	6.3	30.0	30.0
Conference/CCLT	15.3	9.8	10.0	8.5	10.0	10.0
Publications	102.0	107.3	105.0	63.8	100.0	105.0
Staff Fees/Expenses	149.7	141.8	145.0	84.3	160.0	161.0
Society Operations	63.6	62.6	65.0	42.6	65.0	65.0
New Initiatives	15.0	3.1	10.0	6.7	10.0	10.0
Miscellaneous	2.2	1.7	2.0	0.4	2.0	2.0
EXPENSES	381.8	356.9	367.0	212.6	377.0	383.0
REV OVER EXP	-41.9	-2.0	0	71.0	-10.0	-21.0

Expenses paid in 2019 are \$223.3K, compared to \$214.4 K for the first seven months of 2018. While these total numbers differ by only \$8.9K, the 2018 figure included a one-time charge of \$12.5K to reprint the CFEM. Notable expense categories that are higher in 2019 to date include administration billings by GGMI (up \$16.2K), and meeting expenses (up \$5.8K).

Notes to Accompany Summary of Revenue and Expenses

Revenue

Membership Dues: Membership income to July 31 is up \$32.7K over 2018. This is due to a slight increase in full and retired paid members registered to date, as well as the increase in regular membership fees in 2019. The budget target of \$279K may be optimistic for year-end.

Publications: Publications revenue for 2019 to July 31 is \$5.2K ahead of 2018 and has already met the 2019 budget target of \$20K. The forecast can be increased.

Conferences: Conference income for GeoSt.John's 2019 will not be realized until the end of the year. While the 2018 conference produced a net for CGS National of almost \$70K, the 2019 conference income target of \$40K for fiscal 2019 may be high based on the reduced exhibitor and sponsor support in 2019. We will continue to work closely with the 2019 conference LOC to monitor the expected 2019 net proceeds.

Sponsorships: 2019 Corporate Sponsor renewal appeal letters have been sent and \$10.5K has been received to date from firms. Follow up is required to meet the target of \$24K.

Miscellaneous: Reflects interest income received to date.

Expenses

International Memberships: While some progress payments to the international societies have been made, most will be remitted in Q3 and Q4.

Conferences/CCLT: Conference expenses are usually incurred in Q4. The expenses shown to date are CCLT costs expensed in Q2. Travel costs for the CCLT will be reimbursed by the CFG.

Publications: This figure includes payments to Canadian Science Publishing 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. Also includes payments to BiTech Publishers for *Geotechnical News*. As the 2018 final expense of \$107.3K included a \$12.5K charge to reprint the CFEM, the 2019 forecast can safely be reduced to \$100K.

Staff Fees: Staff fees to July 31 are \$16.9K higher than at the same time in 2018. The majority of this change is attributable to an increase in GGMI hours spent on CGS projects in 2019. It appears that the staff fees budget of \$145K will be exceeded – by how much will depend on the direction provided to GGMI wrt their allocation of CGS project time for the remainder of the year.

Operations: These costs to date are up \$4.7K over 2018, but at this point the target of \$65K should still be achievable.

New Initiatives: Primary spending to date includes \$2K to sponsor the Regina section's Geo-Celebration, \$1.5K to sponsor the 2019 cYGEHC, and Colloquium Tour expenses of \$3.2K.

Miscellaneous: Section subsidy expenses.

Summary Balance Sheet as of July 31, 2019

		x \$1,000
Assets	Cash (Chequing/Savings)	414.2
	Restricted Funds	46.2
	Accounts Receivable	8.4
	Loans Outstanding	380.0
	Fixed Assets (computer equipment)	0.4
TOTAL ASSETS		849.2
Liabilities	Accounts Payable	11.6
	GST/HST Payable	-2.5
	Accrued Liabilities	9.0
TOTAL LIABILITIES		18.1
Equity	Retained Earnings to 2018	713.9
	Restricted Funds	46.2
	Revenues Less Expenses 2019	71.0
TOTAL EQUITY		831.1
TOTAL LIABILITIES & EQUITY		849.2

Notes to Accompany Summary Balance Sheet

Assets

Cash (Chequing and Savings): TD Canada Trust (chequing \$208.5K), Tangerine (savings \$205.7K)

Restricted Funds: Cold Regions Division (\$12.8K), Engineering Geology Division (\$8.8), Education Committee (\$14.5K), Geohazards Committee (\$10.1K)

Accounts Receivable: Negligible

Loans Outstanding: Canadian Foundation for Geotechnique - \$335K at 0%; GeoCalgary 2020 - \$20K at 0%; 6th cYGEHC - \$5K at 0%; GeoNiagara 2021 - \$10K at 0%; ICCRE/CPC2019 - \$10K at 0.0%.

Liabilities

Accounts Payable: GGMI (\$9.9K)

GST/HST Payable: Q2 net GST/HST credit due from CRA

Accrued Liabilities: Audit fees

Equity

Restricted Funds: as above

Rapport du vice-président aux finances – Kent Bannister
du 1^{er} janvier 2019 au 31 juillet 2019

Les tableaux ci-dessous présentent l'état des finances de la SCG au 30 juin 2019, avec les projections au 31 décembre 2019 (fin de l'année fiscale). Les données vérifiées sur les revenus et les dépenses de 2017 et 2018 sont incluses à titre comparatif. De façon générale, la SCG reste dans une excellente situation financière. Les notes qui accompagnent ces tableaux figurent dans le rapport annuel de la SCG (du 1^{er} janvier au 30 juin 2019) et seront publiées sur le site web de la Société. Le budget proposé pour 2020 est également inclus.

Revenus et dépenses au 30 juin 2019

	2017 Données réelles	2018 Données réelles	2019			2020
			Budget	Données réelles au 30 juin	Projection au 31 déc.	Budget proposé
Revenus X \$1 000						
Cotisations des membres	249,3	227,8	279,0	250,4	269,0	269,0
Publications	27,9	31,8	20,0	20,6	30,0	30,0
Conférences	48,4	80,1	40,0	0	40,0	35,0
Commandites	11,5	11,0	24,0	10,5	24,0	24,0
Divers	2,8	4,2	4,0	2,1	4,0	4,0
REVENUS	339,9	354,9	367,0	283,6	367,0	362,0
Dépenses x \$1 000						
Adhésions Internationales	34,0	30,6	30,0	6,3	30,0	30,0
Conférences/TCT	15,3	9,8	10,0	8,5	10,0	10,0
Publications	102,0	107,3	105,0	63,8	100,0	105,0
Rémunération/dépenses du personnel	149,7	141,8	145,0	84,3	160,0	161,0
Activités d'exploitation	63,6	62,6	65,0	42,6	65,0	65,0
Nouvelles actions	15,0	3,1	10,0	6,7	10,0	10,0
Divers	2,2	1,7	2,0	0,4	2,0	2,0
DÉPENSES	381,8	356,9	367,0	212,6	377,0	383,0
REV. moins DÉP.	-41,9	-2,0	0	71,0	-10,0	-21,0

Bilan financier au 30 juin 2019

		x \$1 000
Actifs	Trésorerie (compte bancaire et placements)	414,2
	Fonds affectés	46,2
	Créances à recevoir	8,4
	Prêts	380,0
	Actif fixe (équip. informatique)	0,4
ACTIFS TOTAUX		849,2
Passif	Comptes à payer	11,6
	TPS/TVH à payer	-2,5
	Charges à payer	9,0
PASSIF TOTAL		18,1
Capitaux propres	Bénéfices non répartis de 2018	713,9
	Fonds affectés	46,2
	Revenus moins dépenses pour 2019	71,0
CAPITAUX PROPRES TOTAUX		831,1
TOTAL DES CAPITAUX PROPRES ET DU PASSIF		849,2

Section 1: General

Date of report: August 19, 2019

Prepared by: Judith Bouchard, VP Communications and Member Services

End of Term: December 2020

Section 2: CGS-E-News

Ten issues of *CGS-E-News* were distributed in the last half of 2018 and first six months of 2019. The monthly electronic news were not issued in July and August 2018.

Section 3: Geotechnical News

BiTech will continue to publish *Geotechnical News* until December 2019. The transition with the new publisher, Karma-Link, has started and is going well. A draft of the new magazine has been presented to the Communication Task Force (CTF) to get feedback on the format and the editorial structure.

The CGS News Editor, Don Lewycky, term ended in December 2018. Nicholas Beier has progressively taken over, and the March 2019 issue was edited solely by him.

The new section “From the CGS Board” continues to be successful, thanks to the efforts of the editor Doug Vandine, with the publication of various articles which include the last two parts of the history of the CFEM, the extended abstract of the 2018 Colloquium, an article dedicated to the Tuktoyaktuk Highway, the 3-part series of articles dedicated to Women in Canadian Geotechnique, an article on the 6th Symposium on Mines and the Environment in Rouyn-Noranda, the Canadian Legends Series and an article on the CGS Young Professionals Icebreaker at GeoEdmonton, 2018.

Section 4: CGS Website

The CGS website is regularly updated and improved in terms of content and functionality. A full round of review has helped improve the French side of the site. A new phone and tablet version was designed and put online in the Fall 2018

Section 5: Communication Task Force (CTF)

During its annual meeting held in Ottawa in 2017, the Board of Directors has approved the creation of a Task Force to assist the EC with various issues related to communication. Eight CGS members representing industry, government agencies and academia form the committee and are led by the

VP Communications and Member Services in collaboration with the CGS Executive Director and the Director of Communication and Member Services. A first report on the technical publication was submitted to the EC and the BOD during the GeoEdmonton2018 conference. Both approved the content and the planning proposed for a renewed and revamped magazine that will be launched in March 2020. A second report on the CGS communication at large has then been submitted at the end of December 2018. Recommendations include: a) development of a communication manual including specific sections for all media; b) implementation of recommendations from Report 1 concerning the CGS Magazine ; c) surveying traffic on the web site and set priorities for maintaining and renewing CGS web pages; d) increasing diversity of content, modernize the look and improve functionality (links to website or social media) of the E-news; e) better integrate Social Media in the communication strategy to distributed information in a widespread manner. It was also recommended that a similar Communication Task Force be setup soon in 2019 to continue the work on the development of the communication strategy and ensure its long-term viability.

The updated CTF was approved and setup for a 2-year mandate by the EC on February 14, 2019. This new CTF focuses on implementing some recommendations from Report 2. So far, the CTF has acted as a focus group for the new magazine and a communication campaign that is being prepared by the VP Communications and Member Services.

Section 6: Membership committee

The mandate of the Membership Committee (MC) is to promote the CGS to current and future members, survey and assess members' expectations, explore and analyze new initiatives, increase interest in volunteering and monitor renewal and increase CGS membership.

The VP Communications and Member Services has worked closely with the MC to better understand the state and evolution of CGS membership, and to assess member's expectations and preferences towards the CGS. This work involved a 2 two-step strategy. The first step was to analyze the existing CGS membership data collected throughout the years. The second step involved the development of an on-line membership survey and analyzing the responses of the survey which was sent to members and non-members at the beginning of 2019. The analysis results are presented in a report and will be used to plan the MC's next initiatives to enhance member's experience and increase membership.

A proposal has been prepared for the implementation of an automatic membership renewal option for our members. The proposal has been approved by the EC on August 20, 2019 and will be presented to the BOD during the meeting at the GeoSt.John's conference.

Section 7: CGS Social Media

The CGS LinkedIn and Facebook pages continue to attract member signups and interest. The CGS always welcomes possible content for posting (through its National Office). A communication campaign for social media is currently being prepared by the VP Communications and Member Services. The MC survey highlighted the fact that the CGS needs to better promote its initiatives. Many suggestions given by members in the survey were initiatives that the CGS is already doing. One other point highlighted by the survey is that our members want to better understand how the CGS works and operates. The communication campaign aims to better inform our members and non-members of our initiatives and on how the CGS works. This planned campaign will have 10 posts, one per month starting in October 2019 in CGS social media and occasionally in the CGS E-News.

Section 8: Gender balance

The CGS wants to encourage discussion about how to successfully support and engage women in the geotechnical field. An upcoming initiative will be to host a Women's Networking Breakfast during the GeoSt.John's conference. The event will take place on Monday, September 30 at 7:00am.

***Rapport du vice-présidente communications et services aux membres – Judith Bouchard
du 1^{er} juillet 2018 au 30 juin 2019***

Général

Date du rapport : 19 août 2019

Préparé par : Judith Bouchard, VP Communications et services aux membres (VPCSM)

Fin du mandat: Décembre 2020

Geotechnical News

BiTech continuera de publier *Geotechnical News* jusqu'en décembre 2019. La transition avec le nouvel éditeur, Karma-Link, a commencé et se déroule bien.

Groupe de travail sur les communications (GTC)

Le mandat du GTC est d'aider l'exécutif (CE) à se positionner sur divers aspects liés aux communications. Huit membres de la SCG représentant l'industrie, les agences gouvernementales et les universités forment le GTC, qui est dirigé par la VPCSM. En 2019, le GTC a agi comme groupe de discussion pour le nouveau magazine et les nouvelles initiatives de communication, notamment la campagne de communication en cours de préparation par la VPCSM. La campagne de communication vise à mieux informer les membres de la SCG et non-membres des initiatives et du fonctionnement de la SCG.

Comité des membres (CM)

Le CM a pour mandat de promouvoir la SCG auprès des membres actuels et futurs, de sonder et d'évaluer les attentes des membres, d'explorer et d'analyser de nouvelles initiatives, de susciter un plus grand intérêt pour le bénévolat, de surveiller le renouvellement et d'augmenter le nombre de membres de la SCG. La VPCSM a travaillé en étroite collaboration avec le CM pour mieux comprendre l'évolution du nombre de membres de la SCG et pour évaluer les attentes et les préférences des membres à l'égard de la SCG. Ce travail comportait une approche à deux volets. La première étape consistait à analyser les données existantes collectées au fil des années sur le nombre et la démographie des membres de la SCG. La deuxième étape a consisté à élaborer un sondage en ligne et à analyser les réponses du sondage envoyé aux membres et aux non-membres au début de 2019. Les résultats de l'analyse sont présentés dans un rapport et seront utilisés pour planifier les prochaines initiatives visant à améliorer l'expérience des membres et à en augmenter le nombre. De plus, le CM a préparé une proposition pour la mise en œuvre d'une option de renouvellement automatique de l'adhésion pour nos membres. La proposition a été approuvée par le CE le 20 août 2019 et sera présentée au conseil de direction lors de la réunion tenue à la conférence GeoStJohn's.

Initiatives pour les femmes en géotechnique

Le CGS souhaite encourager la discussion sur la manière de soutenir et d'engager avec succès les femmes dans le domaine de la géotechnique. Les initiatives mises de l'avant par la SCG incluent l'organisation d'un petit déjeuner de réseautage pour les femmes lors de la conférence GeoSt.John's. (30 septembre à 7 h) et une série d'articles en trois parties consacrées aux femmes de la géotechnique canadienne publiés dans le Geotechnical News.

Section 1: General

Date of report: August 11, 2019

Prepared by: Maraika De Groot, Young Professional (YP) Representative

End of Term: December 31st, 2019

Section 2: Report on young member events

- GeoEdmonton: A YP and Student Icebreaker was held on Sunday September 23rd, 2018, in the main conference hall. The event was a success with over 100 attendees listening in for the panel presentation where questions about career progression and the industry were asked to the three panelists. The event was organized by three young professionals from Edmonton and Vancouver (Emily Rowe, Rebecca Stevenson, Olenka Forde), who wrote an article that was published in Geotechnical News in 2019.
- 6th Canadian Young Geotechnical Engineers and Geoscientists Conference (cYGEGC): The conference will be held September 26th to 28th, 2019 in St. John's Newfoundland, prior to GeoSt.John's. Approximately 35 delegates will attend with one day of technical tour and two days of technical program. The technical program includes poster presentations and elevator pitches from delegates, plus five keynote speakers. The organizing committee consists of 14 volunteers, chaired by Vincent Castonguay and Vincent Cormier. Maraika and the organizing committee is hosting a webinar on Wednesday August 28th, 2019 to prepare for the poster and pitch presentations. The CGS is a gold sponsor for this event, along with providing seed funding.
- GeoSt.John's: A YP and Student Icebreaker is scheduled for the evening of Sunday October 29th, the opening day of the conference, and will consist of a panel presentation. One Young Professional from St.John's (Sarah Dalton) and an undergraduate student volunteer from Kingston (Graham Swarbrick) are organizing the event.
- CGS YP and Student Representative Webinar: Meetings were held on November 27, 2018 and May 28, 2019. The purpose was to provide a venue for connection, to share experience with YP/Student initiatives, and to ask for feedback. The calls included representatives from Sections, Divisions, Committees, and Conferences. Zoom has been used to host these meetings. The president of the Young Members Presidential Group (YMPG) of the International Society for Soil Mechanics and Geotechnical Engineers (ISSMGE), Lucy Wu, made a presentation. during the May meeting.
- Student Chapters Webinar: Student Chapters were formed this year (see below) and a kick-off webinar was hosted on June 11, 2019. The purpose was to share what student chapters are hoping to achieve and discuss next steps.

Section 3: Websites

No website is dedicated to YP Representative

In the Future the pages under "Membership – Students" should be updated by the YP Rep, and a section for Young Professionals could be added to this section.

Section 4: Finances

No finances are managed by the YP Representative. There is money in a reserved fund under the Education Committee that can be used for Young Professional or Student Initiatives. This money is from profits of previous cYGEGC.

Section 5: Affiliations with other organizations

No affiliations.

Section 6: Additional information or comments

- Maraika De Groot's mandate as YP Representative will end December 31, 2019. A replacement volunteer has been identified.
- The first Early Achievement Award will be presented at GeoSt.John's in September 2019. The award is intended to recognize outstanding accomplishments provided by members in the early years of their career; it focusses on excellence of technical achievements and contributions to the geotechnical profession, service to the CGS, and service to the practice/industry. Selection for this new award was completed by a committee of three (Maraika De Groot, Bruno Bussiere, Rob Kenyon) and feedback on the process has been provided to the YP Rep for consideration.
- Seven Student Chapters across the country have been selected as a pilot project. The seven universities are: University of British Columbia, University of Alberta, University of Saskatchewan, University of Manitoba, Waterloo University, Queens University and Royal Military College (together), and Dalhousie University. The pilot project will run from September 2019 to May 2020, after which the Student Chapters and CGS Executive Committee will convene to discuss the success of the initiative and next steps. In August 2019, the Student Chapters will submit budgets and project management plans, and a webinar will be hosted around this. A couple other universities have already expressed interest in launching a student chapter.
- The conference manual was updated to include text about a YP Event at the Annual CGS Conference.
- A Slack group has been launched with one channel for Student Chapters and another channel for YP and Student Representatives. The purpose is to have a platform on which respective members can interact during the year between webinars. Currently this is in a pilot phase.

SECTION REPORTS

Sections Representative Annual Report – Andrea Lougheed July 1, 2018 to June 30, 2019

This report has been prepared based on the 18 annual section reports received up to August 19, 2019. Reports from London and New Brunswick sections remain outstanding. Most Sections held on average 6 events with all sections holding at least one event. Five Sections held over 10 events. The majority of events comprised technical lectures, including the Cross-Canada Lecture Tour (CCLT). Some Sections continue to require support from the Section Representative, CGS HQ, and well-established neighbouring Sections. There has been increased interaction between Sections through donating funds to smaller sections or providing webcasting of technical lectures.

During this year (July 2018 to June 2019), 168 members of Section Committee Executives – all volunteers – served their almost 1,990 Section members and arranged 113 events (technical and social) achieving over 5000 attendances. These values do not include numbers for London or New Brunswick. This does not include the attendance at GeoEdmonton 2018. Of the Section Executive Committee members, 6.6% were students (11 total) and 18% were women (30 total). Both of these have decreased over the last year by about 2% each and may be due to annual variation. Of the 11 student Executives, all were serving as student representatives. The CGS continues to serve well the Geotechnical community at a local level and are encouraging involvement of students and women.

The effectiveness of the efforts of each Section may be compared with the effectiveness of other Sections. From the data reported some comparisons are possible. All of these comparisons must be tempered by the context of each Section, such as some sections report numbers from mailing list versus paid members. 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.

Total section membership reported in the table below is missing two sections, which in the half-year reports accounted for approximately 325 members. Adding these to the membership numbers reported below, overall reported membership increased by 6.7%. Three Sections were noted to have annual membership fees that vary between \$10 or \$25 for regular members. Other Sections gain revenue through various streams, including running short courses and charging per technical talk.

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 0.79 events per Section Executive member with values ranging from 0.25 to 1.75. The number of events held per member is also a useful indicator. This averaged 0.09, ranging from 0.012 to 0.27. Another such measure is the annual attendance at events per member of the Section Executive. This averages at 29.9, and ranges from 5.7 to 119.6, though this provides no measurement of the quality of events held.

A measure of the participation by local Section members is the attendance per member at events. The average attendance rate is 2.74 events per member, and this ranged from 0.46 to 6.8. The percentage of the membership sitting on the Section Executives ranged from 3.8% to 37.5%, averaging 11.5%. 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 activities reported here refer only to events held for members, and Section Executives do engage in other activities.

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

	Members			Number of Events					Total Events	Total Attendance	Sponsor Student? 2018
	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	4/0	26/NK	26/NK	1	6	0	0	0	7	154	N
Vancouver	14/1	237/14	116/7	2	5	2	1	1	11	558+	N
Prince George	4/0	25/NK	15/NK	1	2	0	0	0	3	63	N
Interior BC	4/0	75/NK	NP	1	0	0	0	0	1	35	N
Edmonton	16/1	220/28	44	1	3	1	2	0	7	419	Y
Calgary	14/0	287	103	2	6	0	1	0	9	322	Y
Saskatoon*	10/1	100/20	NP	1	2	0	0	0	3	65	Y
Regina	9/0	40+	15+	1	4	0	0	1	6	272	Y
Manitoba	9/1	58	49/9	2	5	1	0	1	9	314	Y
Thunder Bay	3/0	8/NK	10/NK	1	0	0	0	0	1	17	N
Sudbury	4/0	NP	NP	0	3	0	0	0	3	88	N
London	Information Not Provided										
Southern Ontario	13/1	~300	~300	1	7	2	1	1	11	1555	N
Kingston	9/3	NP	~120	2	0	0	1	0	3	120	Y
Ottawa	11/1	100/NK	NP	2	5	0	1	2	10	346	Y
L'ouest-du-Québec	9/1	80	NP	2	8	0	0	0	10	NP	NP
L'est-du-Québec	13/1	359	56	2	9	1	0	0	12	541	Y
New Brunswick	Information Not Provided										
Nova Scotia	3/0	50/NK	20/NK	1	3	0	1	0	5	114	N
St. John's	3/0	25/10	~25	1	0	0	1	0	2	30	N
Totals	168/11	1990/72	899/NK	24	68	7	9	6	113	5013+	9

* Does not include CGS National Conference

NP = Not Provided

NK = Not Known

Students represent the future of our Society, and many sections have recognized this with the inclusion of student representation on their executive committees. Currently, eleven Sections have Student Representatives.

Some CGS members live and work in very remote parts of the country, and technology has gradually made it easier to allow them to participate in events. Some Sections already routinely webcasting their lectures, and others are considering / implementing a similar approach to reach more of their members or to assist other Sections. The Society acknowledges the benefit of webcasting and knowledge-sharing for the membership, and is working on ways to encourage further webcasting development and interaction between Sections.

The effort by Section Directors across Canada in providing the information summarised in this annual report is acknowledged with gratitude, as is the work the Sections do in serving our members.

Andrea Lougheed
Section Representative
August 19, 2019

**Vancouver Island BC (Victoria) Section
Annual Report July 1, 2018 to June 30, 2019**

Formal Section Name: Vancouver Island Geotechnical Group (VIGG)

Section 1: General

Date of this report: July 27, 2019

Prepared by: Caroline Silins

Section Director: Caroline Silins

End of Section Director's Term: December 31, 2020

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

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

Chair: Caroline Silins – Thurber Engineering Ltd.

Past Chair: Chris Weech – Thurber Engineering Ltd.

Vice Chair/Technical Director: Donald Kaluza - WSP

Treasurer/Registrar: Jeff Ferraby - Ryzuk Geotechnical

Section 3: Number of Section Members (as of June 30, 2019)

Executive Committee Members: 3

Total members (if possible, student and non-student members): We do not have a local VIGG membership.

Total CGS members (if possible student and non-student members): 26

Does your section do anything specific to attract new members? Membership reminders are given during announcements at the luncheons.

Can the national office or newly formed Membership?

Committee help support your endeavours? It may be helpful to encourage consulting companies, at the corporate level, to subsidize the membership fee, as the cost of membership is perceived to be a headwind to membership growth.

Comments (point form)

- CGS members get a \$10 discount off of their VIGG Technical Luncheon fee.

Section 4: Section Finances (as of June 30, 2019)

Account balance \$7360.10 (as of July 1)

Does your Section charge members an annual fee? No

If so, how much? \$

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes

Is your Section aware of the CGS Lecture Supplement Program? Yes

Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)? No

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
September 12, 2018	Sanat Pokharel, Ph.D., P.Eng.	Engineering Application and Designing with NPA Geocell	19
October 17, 2018	Alex Sy, Ph.D., P.Eng.	CCLT: Lessons Learned from Geotechnical Failures	28
November 9, 2018	Dr. Sheri Molnar	Passive Seismic Methods for Earthquake Site Classification and Assessment in BC	24
February 21	Jacek Scibek	A Review of Fault Zone Hydrogeology	30 + speaker
April 18	Patrick A. Monahan, Ph.D., P.Geo.	Mapping the Susceptibility to Amplification of Seismic Ground Motions in the Montney Play Area of Northeast British Columbia	14 + speaker
March 7	Prof. Kyle M. Rollins	Probabilistic Liquefaction Triggering Curves for Gravels Based on Dynamic Cone Penetration Testing	20 + speaker
May 16	Bob Barrett	Geosynthetic Reinforced Soils	19 + speaker

Section 6: Additional information or comments

•

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members?

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes

***Southern BC (Vancouver) Section
Annual Report July 1, 2018 to June 30, 2019***

Formal Section Name: Vancouver Geotechnical Society

Section 1: General

Date of this report: August 6, 2019

Prepared by: Andrea Lougheed

Section Director: Andrea Lougheed

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

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

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

Chair: Marc Bossé, Thurber Engineering Ltd.

Past Chair: Shane Magnusson, BGC Engineering Inc.

Program Director: Aran Thurairajah, Golder

Treasurer: Yoshi Tanaka, Kontor

Secretary: Tim Morton, Tetra Tech

Registrar: Ali Ghandeharioon, Klohn Crippen Berger

Web Manager: Chris Longley, Tetra Tech

CGS Director: Andrea Lougheed, BGC Engineering Ltd.

Student Representative: Intisar Ahmed, University of British Columbia

Member-at-Large: Olga Kosarewicz, Carlie Tollifson, Deyab Gamal El-Dean, John Lee, Kumar Sriskandakumar

Section 3: Number of Section Members (as of June 30, 2019)

Executive Committee Members:	14
Total members (if possible, student and non-student members):	251
Regular:	223
Student:	14
Life-time:	14
Total:	251

Total CGS members (if possible student and non-student members):	123
Regular:	111
Student:	7
Retired:	5
Total:	123

Does your section do anything specific to attract new members? Can the national office or newly formed Membership Committee help support your endeavours?

Nothing specific is completed to attract new section members. Some executive members will distribute the notification internally to their companies.

Section 4: Section Finances (as of June 30, 2019)

Account balance	\$126,522.45
Does your Section charge members an annual fee?	Yes
If so, how much?	\$20 (Regular), Free (Students/Life-time)
Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)?	Yes
Is your Section aware of the CGS Lecture Supplement Program?	Yes
Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)?	No

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
Oct. 18/18	Dr. Alex Sy	Fall 2018 CCLT: Lessons Learned from Geotechnical Failures	83
Nov. 8/18	Sheri Molnar	Passive Seismic Methods for Site Assessment and Microzonation Mapping in Greater Vancouver	31
Jan. 15/19	Mark Bolton	VGS-TAC New Year's Talk: Delivery of Safe Drinking Water in Bangladesh	N/A
Feb. 11/19	Dr. Ellen Rathje	VGS-EERI Joint Talk: 2018 William B. Joyner Lecture – Seismic Landslide Assessment: Bridging the Gap Between Engineers and Earth Scientists	66
Mar. 4/19	Dr. Bengt Fellenius	Short Course: Basics of Design of Piled Foundations	49
Mar. 7/19	Dr. Jonathan Bray	6 th Ishihara Lecture: Simplified Procedure for Estimating Liquefaction-Induced Building Settlement	95
Mar. 14/19	Dr. Angela Küpper	UBC Geological Engineering 2019 Distinguished Lecture: Tailings Dams – What Might the Future Hold?	N/A
Apr. 17/19	Dr. Paul Schlotfeldt	A New and Unified Approach to Improved Scalability and Volumetric Intensity Quantification for GSI and Rockmass Strength and Deformability Estimation	N/A
May 8/19	Dr. Matt Lato	2018 CGS Colloquium Lecture: Leveraging Three-Dimensional Remote Sensing in Geotechnical Engineering	38
May 31/19	26 th Vancouver Geotechnical Society Symposium Program	Site Characterization (Keynote: Dr. Jason DeJong)	180
Jun 6/19	Dr. Charles Shackelford	Spring 2019 CCLT: Membrane Behaviour and Chemical-Osmosis in Clays	16

Section 6: Additional information or comments

- Donated \$5000 to Interior BC, Prince George and Vancouver Island Chapters in August 2018.
- The VGS has provided \$2,500 in seed money to the UBC-CGS Student Chapter to help promote start-up.
- The VGS Award at BCIT had it's first recipient, Gregory Hustler.
- Consideration is being given to starting a new positions for the Symposium considering the importance of this event to the wellness of the section.

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members?

No.

***Northern BC (Prince George) Section
Annual Report July 1, 2018 to June 30, 2019***

Formal Section Name: Prince George Geotechnical Group

Section 1: General

Date of this report: July 9, 2019

Prepared by: Warren Lemky

Section Director: Warren Lemky

End of Section Director's Term: December 2019

Is there a link from your separate Section website to the CGS website? NA

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

Chair: Warren Lemky, Ministry of Transportation and Infrastructure

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

Vice Chair: Vacant

Secretary: Mark Dresen, GeoNorth Engineering Ltd.

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

Section 3: Number of Section Members (as of June 30, 2019)

Executive Committee Members: 4

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

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

Does your section do anything specific to attract new members? Can the national office or newly formed Membership Committee help support your endeavours?

We are a small section in a small community so it is pretty much just local consultants and their employees that join the Section. There is a new engineering department opening at UNBC so there may be a better opportunity to recruit student members in the future.

Section 4: Section Finances (as of June 30, 2019)

Account balance \$7,621.30

Does your Section charge members an annual fee? No

If so, how much? \$

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes

Is your Section aware of the CGS Lecture Supplement Program? Yes

Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)? No

Comments:

- We were provided a generous donation from the VGS of \$5,000 last year but have not yet had an opportunity to put that to use. We appreciate the great support.

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
7/9/2018	Dr. Ariane Locat	Spreads in Eastern Canadian Sensitive Clays	16
15/10/2018	Dr. Alex Sy	Lessons Learned from Geotechnical Failures	21
14/02/2019	Professor Ellen Rathje	Seismic Landslide Assessments: Bridging the Gap between Engineers and Earth Scientists	26

Section 6: Additional information or comments

- The Prince George Section is currently working with the Vancouver Section to try to establish webinar capabilities that would assist in us being able to hold many more events throughout the year. We have conducted one rebroadcast of a past CCLT and as well as a joint VGS/PGGS/EERI-BC presentation. I will continue to update as more activities occur in the future.

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members?

Are you planning to attend the fall board meeting in St. John's, Sunday September 29?

No, I did not receive travel approval from my employer.

**Interior BC (Kelowna) Section
Annual Report July 1, 2018 to June 30, 2019**

Formal Section Name: Interior BC Section

Section 1: General

Date of this report: July 22, 2019

Prepared by: D. Tannant

Section Director: D. Tannant

End of Section Director's Term: when a new Director is named

Section's CGS web page address: NA

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

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

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

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

Chair: Dr. Dwayne Tannant, UBC Okanagan

Past Chair: Dr. Sumi Siddiqua, UBC Okanagan

Vice Chair: none

Secretary: Dr. Wenbo Zheng, UBC Okanagan

(Add others as necessary) Treasurer: Glen Rutherford, Golder Associates

Section 3: Number of Section Members (as of June 30, 2019)

Executive Committee Members: 3

Total members (if possible, student and non-student members): email list with 75 addresses (diverse group of people)

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

Comments

-

Section 4: Section Finances (as of June 30, 2019)

Account balance ~\$10,000

Does your Section charge members an annual fee? no

If so, how much? \$

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes

Is your Section aware of the CGS Lecture Supplement Program? Yes

Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)? No

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
Oct. 16	Alex Sy	X-Can lecture: Lessons Learned from Geotechnical Failures	35
	Up coming lecture:		
July 23, 2019	Dr. Xinli Hu, Faculty of Engineering, China University of Geosciences	Evolution and stabilization of pile-reinforced landslides in reservoirs: field monitoring and physical model testing	

Section 6: Additional information or comments

-

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members?

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? No

**Northern Alberta & Territories (Edmonton) Section
Annual Report July 1, 2018 to June 30, 2019**

Formal Section Name: Geotechnical Society of Edmonton

Section 1: General

Date of this report: July 26, 2018
Prepared by: Renato Macciotta
Section Director: Renato Macciotta
End of Section Director's Term: December 31, 2020
Section's CGS web page address: http://www.cgs.ca/section_northern_alberta.php
Is there a link from your separate Section website to the CGS website? Yes/No Yes: <http://www.cgs.ca/>

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

President: Delakshan Inparajah – Wood
Vice President: Sean MacEoin – AECOM
Program Chair: Courtney Mulhall – Klohn Crippen Berger
Treasurer: Kristen Tappenden – Alberta Transportation
Secretary: Zion Yua – Thurber Engineering
Registrar: Don Lewycky
Website: Ken Froese – Thurber Engineering
Member at Large: Murray Innes – Mobile Augers
Member at Large: Michael Sampson – Wood
Member at Large: Nigel Goldup – Tetra Tech
Member at Large: Paul Lach – City of Edmonton
Past President: Patrick Mah – Enbridge
University Representative: Nicholas Beier – University of Alberta
NAIT Representative: Jeff Chapin - NAIT
U of A Student Member: Jorge Rodriguez – University of Alberta
CGS Representative: Renato Macciotta – University of Alberta

Section 3: Number of Section Members (as of June 30, 2019)

Executive Committee Members: 16
Total members (if possible, student and non-student members): 220 (28 students)
Total CGS members (if possible student and non-student members): 44
Does your section do anything specific to attract new members? Can the national office or newly formed Membership Committee help support your endeavours?
Comments (point form)

- It is not possible to obtain the number of Student CGS members from the Society's listing on the website.
- We hold two events each year together with the University of Alberta to attract new members

Section 4: Section Finances (as of June 30, 2019)

Account balance \$19,087.5
 Does your Section charge members an annual fee? Yes
 If so, how much? \$15 non CGS members, \$10 CGS members, \$5 students, \$0 retired members and Stan Thomson Awardees
 Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes
 Is your Section aware of the CGS Lecture Supplement Program? Yes
 Is your Section planning on sponsoring a Student/MIT to attend GeoEdmonton 2018 (Admin Manual App 12)? Yes

Comments:

We have a recallable loan for \$10,000.00

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
October 12, 2018	(2018 Fall CCLT) Alex Sy, Ph.D., P.Eng., FEIC Klohn Crippen Berger Ltd.	Lessons Learned from Geotechnical Failures	86
November 20, 2018	(Annual Fall Mixer) Umme Rima and Tony Zheng (Morgenstern Award Winner 2017)	Effects of Cyclic Freeze Thaw and Drying-Wetting on Centrifuged Tailings / Development of an Integrated Tailings Simulation Model Using System Dynamics and GoldSim	49
December 5, 2018	Don Proudfoot, M.Eng., P.Eng. 2018 CGC Presenter, Thurber Engineering Ltd.	Geotechnical considerations related to the design and performance of landfills: a study of industrial Class 1 and Class 2 Landfills in Alberta	64
March 19, 2019	GSE/NAIT Student Event: Dr. Heather Kaminsky, P.Eng., NAIT, and Dr. Nicholas Beier, P.Eng., U of A	Oilsands Tailing Management	50
April 9, 2019	GSE/U of A: 17th Annual Applied Geotechnical Engineering Design Contest: Reinforced Soil Wall	Reinforced soil wall model competition	40
April 17, 2019	GSE Symposium - Dr. Wayne Savigny	Glacial deposition for engineers	50
May 16, 2019	GSE 2019 AGM: Dr. Angela Küpper, BGC Engineering	Construction of the A21 Dike at the Diavik Diamond Mine	80

Section 6: Additional information or comments

.

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members?

Are you planning to attend the fall board meeting in St. John's, Sunday September 29?

Yes

***Southern Alberta (Calgary) Section
Annual Report July 1, 2018 to June 30, 2019***

Formal Section Name: Calgary Geotechnical Society

Section 1: General

Date of this report: July 23, 2019

Prepared by: Leanne McLaren
Section Director: Leanne McLaren
End of Section Director's Term: December 2020
Is there a link from your separate Section website to the CGS website? Yes

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

Chair: Hamid Karimpour - Stantec (Left Canada in March, Remco took over)
Past Chair: Ertan Ozmen – Clifton Associates
Vice Chair: Remco Kleinlugtenbelt – Thurber Engineering (Acting Chair from March 2019)
Treasurer: Daniel Bertrand – Klohn Crippen Berger
Venue Coordinator: Gennaro Esposito - Shell
Announcements: Aditi Khurana - Stantec
Webmasters: Thomas Kujawa – Thurber Engineering
Dat Tran – Thurber Engineering
Student Representative: Scott McKean – University of Calgary
Southern Alberta Regional Director: Leanne McLaren – Thurber Engineering
Members at Large: Melodie Tang – exp
Masoumeh Saiyar – Hatch
Kashma Roy – Northern Crescent
Will Smith – BGC Engineering

Section 3: Number of Section Members (as of June 30, 2019)

Executive Committee Members: 13
Total members (if possible, student and non-student members): 287
Total CGS members (if possible student and non-student members): 103
Does your section do anything specific to attract new members? Can the national office or newly formed Membership Committee help support your endeavours?

Comments:

- Our numbers have gone up this year.
- We are looking to joining forces with TAC in the coming year to share some events and increase our membership numbers.

Section 4: Section Finances (as of June 30, 2019)

Account balance \$16,758.14
Does your Section charge members an annual fee? No
If so, how much? \$N/A
Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes
Is your Section aware of the CGS Lecture Supplement Program? Yes
Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)? Yes

Comments:

- Finances are currently tied to planning of GeoCalgary 2020

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
Sept 13	Khokan Debnath	GeoEdmonton student sponsorship winner Hydrate stability associated with Arctic Warming and its impact on slope instabilities	11
Oct 11	Dr. Alex Sy	CCLT- Lessons Learned from Geotechnical Failures	62Reg/ 1Std
Nov 15	Bruce Jamieson	Assessing, Mapping and Mitigating Snow Avalanche Risk	18Reg/ 5Std
Jan 24	Dr. Dale Leckie	Geological Evolution of Paskapoo/Porcupine Hills formations	47Reg/3 Std
Feb 21	Eli Cuelho	Geosynthetics in Transportation	31
Mar 21	Dr. Lucy Phillip	Risk and Uncertainty in Open Pit Stability Design	41Reg/3 Std
Apr 18	Alastair McClymont	Applications of Geophysical Methods to Support Geotechnical Investigations	21Reg/6 Std
May 16	Pete Barlow	AGM/Reactivation of an Ancient Landslide: Pipeline Rupture Mitigation	50Reg/3 Std
Jun 3	Dr. Charles Shackelford	CCLT- Enhanced Bentonites for Sustainable Chemical Containment	14Reg/6 Std

Section 6: Additional information or comments

- GeoCalgary 2020 planning is underway

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members? No.

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? I hope to but it is dependent on whether or not I get into University. Can't afford it if I'm in school 😊

***Northern Saskatchewan (Saskatoon) Section
Annual Report July 1, 2018 to June 30, 2019***

Section 1: General

Name of CGS Section: Saskatoon Geotechnical Group

Date of report: July 9, 2019

Prepared by: David Elwood

Section Director: David Elwood

End of Term of Director: 2019

CGS website address: https://www.cgs.ca/section_saskatoon.php, we also have a new local website at www.saskatoongeotech.com where we highlight upcoming events

Last time your Section's CGS website was updated: Fall 2017, New executive.

Section 2: Executive members and their employers or, if students, universities

President

Kyle Cator, Golder Associates Ltd

Past President

Chad Salewich, Cameco Corporation

Vice President

Adam Hammerlindl, University of Saskatchewan

Treasurer	Vanessa Pay, City of Saskatoon
CGS Section Director	David Elwood, University of Saskatchewan.
U of S Liaison	David Elwood, University of Saskatchewan
Workshop Coordinator	Jon Osback, Clifton Associates Ltd.
Social Coordinator * Communications	Kyle Cator, Golder Associates Ltd
U of S Student Liaison	Bryce Marcotte, University of Saskatchewan
Website	Bryce Marcotte, University of Saskatchewan
Member at large	Adam Gmeinweser, Thurber Engineering Ltd.
Member at large	Kyle Bruce, Thurber Engineering Ltd.

The SGG Executive met five times during the activity period.

Section 3: Number of members

Executive members: 9

Total members (if possible, student and non-student members):~ 100 members (we have dropped fees for membership);
~ 20 student members

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

Section 4: Finances

Balance (as of July 26, 2018): \$ 9,256.56

Does your Section charge its members an annual fee? No

If so, how much?

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 (Janae Nixon, Bryce Marcotte and Kelvin Sattler)

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

Section 5: Annual Conference / Board of Directors Meeting

Are you planning to attend the GeoSt.John's 2019? Yes.

Section 6: Activities			
Date	Speaker/Other	Topic/Subject	Attendance
September 2018	Student presentations	3 Students attending geoEdmonton	27
October, 2018	Alex Sy	CCLT – Lessons learned from geotechnical failures	24
November, 2018	Menard Geotechnics	CMC: An innovative foundation solution for the Prairies	19
April 11, 2019	Jon Osback	Pile Driving Effects on a Steel Truss Railway Bridge During Rehabilitation	22

We have moved our activities to a restaurant (Mano's) for lunchtime talks. The restaurant provides meals and the room for a small fee; all costs are designed to break even with supplements provided for student registrants.

Section 7: Additional information or comments

Awards, Donations and Events

- none

**Southern Saskatchewan (Regina) Section
Annual Report July 1, 2018 to June 30, 2019**

Formal Section Name: Regina Geotechnical Group

Section 1: General

Date of this report: 24 July 2019
Prepared by: Jasyn Henry
Section Director: Jasyn Henry
End of Section Director's Term: July 31, 2019
Is there a link from your separate Section website to the CGS website? No

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

Chair: Harpreet Panesar, Ministry of Highways and Infrastructure
Past Chair: Darrell Mihial, TetraTech
Vice Chair: Vacant
Section Director: Jasyn Henry, Water Security Agency
Secretary: Anna Torgunrud, JD Mollard and Associates
Program Director(s): Krystin Robinson, SNC Lavalin
Communication Director: Heather Duncan, Clifton Associates
University Representative: Vacant
Geoenvironmental Chair: Ryan Kozun, Clifton Associates
Geohazards Chair: Bret Dundas, SaskPower
Linear Infrastructure Chair: Corey Gorrill, TransGas

A new executive was voted-in on June 27, 2019. This executive will be active as of July 1, 2019

Chair: Jasyn Henry, Water Security Agency
Past Chair: Harpreet Panesar, Ministry of Highways and Infrastructure
Section Director: Kyle Mason, GKM Consultants
Finance Director: Anna Torgunrud, JD Mollard and Associates
Program Director(s): Krystin Robinson, SNC Lavalin
Blake Lockhart, Clifton Associates
Communication Director: Kim Doran, SNC Lavalin
University Representative: Vacant
Professional Practice Chair: Imteaz Bhuiyan, Water Security Agency
Geohazards Chair: Ryan Kozun, Clifton Associates Ltd.
Linear Infrastructure Chair: Matthew Dipple, TransGas
Foundations Chair: Chelsey Knibbs, Wood Group

Section 3: Number of Section Members (as of June 30, 2019)

Executive Committee Members: 11
Total members (if possible, student and non-student members): 40+
Total CGS members (if possible student and non-student members): 15+

Does your section do anything specific to attract new members? Can the national office or newly formed Membership Committee help support your endeavours?

Hoping to engage with young professionals more in the coming year. Let us know what help you can offer.
Comments:

-

Section 4: Section Finances (as of June 30, 2019)

Account balance \$50,375
 Does your Section charge members an annual fee? No
 If so, how much? \$ N/A
 Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes
 Is your Section aware of the CGS Lecture Supplement Program? Yes
 Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)?
 Yes if we can find a student who has contributed to the conference.

Comments

-

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
25 Oct 2018	Ravin Nag	Use of an Innovative Geocomposite (Paradrain) to Build a Reinforced Slope	25
28 Nov 2018	Ryan Kozun	Landslides Triggered by Extreme Climatic Events	40
20 Feb 2019	Eli Cuelho	Geosynthetics in Transportation - Subgrade Stabilization	23
07 Mar 2019	Multiple	GeoCelebration 2019	125
11 April 2019	Tyler Mills	That Dam Installation!	36
04 Jun 2019	Dr. Charles Shakleford	CCLT 2019 - Role of Diffusion in Environmental Geotechnics	23

Section 6: Additional information or comments

- This year the RGG hosted the second annual GeoCelebration. It was again, a well attended (100+) event. We invited contractors, suppliers, academics, and practitioners to come together and celebrate the achievements of our industry. We also had a keynote presentation to celebrate 5 decades of practice in the Province of SK by Dr. Wayne Clifton.
 - We will write another Geotech News article written about this soon.
- The CGS sponsored the event for \$1,000. Since it was profitable, the RGG will donate \$1,000 to the Canadian Foundation for Geotechnique.

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members?

Are you planning to attend the fall board meeting in St. John's, Sunday September 29?

Yes, with incoming Section Director – Kyle Mason

Manitoba (Winnipeg) Section
Annual Report July 1, 2018 to June 30, 2019

Formal Section Name: Manitoba Section

Section 1: General

Date of this report: July 15, 2019

Prepared by: Alena James

Section Director: Alena James

End of Section Director's Term: December 2019

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

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

Chair: Arjan Jianfar (Hatch)

Past Chair: Wingkeat Wong (Wood)

Secretary: Kirby Pogue (Hatch)

Treasurer: Earl Marvin De Guzman (University of Manitoba)

Program Director: David Anderson (KGS Group)

Student Liaison: Dylan Stafford (University of Manitoba)

Special Initiative Co-Ordinator: Reinhardt Van Rensburg (Trek Geotechnical)

Webmaster: Kevin Baylis (Stantec)

Special Events: David Flynn (KGS Group)

Section 3: Number of Section Members (as of June 30, 2019)

Executive Committee Members: 9 (including section director)

Total members (if possible, student and non-student members): 58

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

- Student: 9
- Non-Student: 48
- Retired: 1

Does your section do anything specific to attract new members? Can the national office or newly formed Membership Committee help support your endeavours?

Comments (point form)

- Local presentations and annual golf tournament are subsidized for CGS members.
- Benefits of CGS membership are discussed at monthly presentations.
- The Province and Crown Corporations have ceased compensating employees for memberships to technical organizations and travel to conferences. As a result, CGS membership has decreased over the last few years.
- Non-members have requested a tiered membership with the benefits received based on the type of membership purchased (ie. Full membership privileges, discount to local talks only etc).
- Other suggestions have included corporate memberships to CGS instead of individual memberships.

Section 4: Section Finances (as of June 30, 2019):

Account balance \$53,000

Does your Section charge members an annual fee? No

If so, how much? \$ N/A

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes

Is your Section aware of the CGS Lecture Supplement Program? Yes

Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)? Yes

Comments (point form)

•

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
September 6, 2018	Mr. Kirill Bobko, M.Sc. student, University of Manitoba	Energy Efficiency of a Below Grade Envelope of the Stanley Pauley Engineering Building in Winnipeg	11
October 6, 2018	Dr. Alex Sy, PhD. P.Eng. F.E.I.C., Klohn Crippen Berger	Innovative Solutions in Construction of the New San Francisco Oakland Bay Bridge Self-Anchored Suspension Span	26
October 12, 2018	Mr. George Piscsalo, P.E. and Mr. Patrick Hannigan, P.E., Pile Dynamics Inc.	Deep Foundation Non-Destructive Testing Short Course	40
November 22, 2018	Mr. Dominique Jullienne, President Menard Canada	Controlled Modulus Columns (CMC): An Innovative Foundation Solution for the Prairie Soils	31
January 31, 2019	Dr. Dave Kurz, PhD, P.Eng., KGS Group	Instrumentation monitoring of clay subgrade along southern Manitoba highways.	39
March 28, 2019	Dr. Marolo Alfaro, PhD., P.Eng., University of Manitoba	Time-dependent degradation of shear strength in clays: A case study of an earth dam	43
April 25, 2019	Mr. Kyle Hamilton, P.Eng., KGS Group	Seine Riverbank Stabilization at the Branch 1 Aqueduct	45
May 30, 2019	Dr. Charles Shakelford, PhD., P.E., F.ASCE, Colorado State University	Enhanced Bentonites for Sustainable Chemical Containment	23
June 7, 2019	Manitoba Section Golf Tournament	Neil Burgess Memorial Scholarship	56

Section 6: Additional information or comments

- CGS Manitoba provided a \$3000 grant to the Thunder Bay Section in September 2018.
- CGS Manitoba will be providing financial assistance for two students to attend the 2019 CGS Conference in St. John's.
- CGS Manitoba provided a financial contribution to the MSE Wall Competition hosted by the University of Manitoba in March 2019.
- The 2019 annual golf tournament raised \$4000 for the Neil Burgess Memorial Scholarship at the University of Manitoba.
- CGS Manitoba is planning a short course for spring 2020.

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members?

**Northwestern Ontario (Thunder Bay) Section
Annual Report July 1, 2018 to June 30, 2019**

Formal Section Name: Northwestern Ontario

Section 1: General

Date of this report: 2019-08-12
 Prepared by: Wesley Saunders
 Section Director: Wesley Saunders
 End of Section Director's Term: 2019
 Is there a link from your separate Section website to the CGS website? No

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

Chair: Wesley Saunders (GKM Consultants)
Past Chair: Dr. Eltayeb Mohamedelhassan (Lakehead University)
Vice Chair:
Secretary: Mike Satten (Ministry of Transportation Ontario)

Section 3: Number of Section Members (as of June 30, 2019)

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
Does your section do anything specific to attract new members? No
Can the national office or newly formed Membership Committee help support your endeavours?
Comments (point form)

•

Section 4: Section Finances (as of June 30, 2019)

Account balance \$3125
Does your Section charge members an annual fee? No
If so, how much? \$
Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes
Is your Section aware of the CGS Lecture Supplement Program? Yes
Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)? No

Comments

•

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
2019-05-29	Chuck Shackelford	The Role of Diffusion in Environmental Geotechnics	17

Section 6: Additional information or comments

•

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members?

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes

*Northeastern Ontario (Sudbury) Section
Annual Report July 1, 2018 to June 30, 2019*

Formal Section Name: Sudbury / North Bay

Section 1: General

Date of this report: July 29, 2019
Prepared by: Andre Bom
Section Director: Andre Bom

End of Section Director's Term: TBD (when replacement is available)
 Is there a link from your separate Section website to the CGS website? Yes/No

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

Chair: André Bom (Golder Associates)
 Past Chair:
 Vice Chair: Mahmoud Hussein
 Secretary:
 North Bay Liaison/Support: Amy Adams (Knight Piésold Ltd)
 Sudbury Support: Aronne-Kay De Souza (Golder Associates)
 (Add others as necessary)

Section 3: Number of Section Members (as of June 30, 2019)

Executive Committee Members:
 Total members (if possible, student and non-student members):
 Total CGS members (if possible student and non-student members):
 Does your section do anything specific to attract new members? Can the national office or newly formed Membership Committee help support your endeavours?
 Comments (point form)

-

Section 4: Section Finances (as of June 30, 2019):

Account balance \$ 40
 Does your Section charge members an annual fee?
 If so, how much? \$
 Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes
 Is your Section aware of the CGS Lecture Supplement Program? Yes
 Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)? No

Comments

-

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
Sept 5/18	Amy Adams, Knight Piésold	An Introduction to Ground Improvement Through Case Histories	16 in North Bay webcast to 13 in Sudbury
Jan 18/19	Matt Thibeault and Andre Bom, Golder Associates	Two separate presentations: Highway 66 Embankment on Soft Ground – Design, Construction and Long-Term Monitoring: A Case Study & Rock Fill Settlement in a Highway Embankment in Northern Ontario: A Case Study	16 in Sudbury webcast to 12 in North Bay and 1 online
Apr 2/19	Dan Hanley, Cematrix Canada	CEMATRIX Lightweight Cellular Concrete Engineered fill applications	16 in Sudbury webcast to 14 in North Bay

Section 6: Additional information or comments

-

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members?

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes

***Southwestern Ontario (London) Section
Annual Report July 1, 2018 to June 30, 2019***

Formal Section Name: London & District Section of the Canadian Society for Civil Engineering (CSCE) and Canadian Geotechnical Society (CGS)

Section 1: General

Section Director: Andrew Stewart P.ENG.

End of Section Director's Term: 2020 (serving a double term until a volunteer is found)

Section's CGS web page address: <http://www.csce-cgs-london.org/>

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

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

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

Section 2: Past (as of Dec 31, 2018) Executive Committee Members and their Affiliations (employers or, if student, university)

Chair: Julian N. Novick, Wastell Homes

Past Chair: Stephanie Dalo, AECOM

Vice Chair: Khalid Backtash MTO

Secretary: Jon Southen, University of Western Ontario

Treasurer: Grant Strachan, AECON

Vice-treasurer: John Gawley, Dillon Consulting Ltd.

Communications: Azmi Hammoud, Professor at Fanshawe College.

CGS Representative : Andrew Stewart, Englobe

CSCE Ontario Region Treasurer: Andy Turnbull, MTO

City Representative: Paul Choma, City of London

Western Faculty Representative: Mike Bartlett University of Western Ontario

Western Society Of Civil Engineers (WSCE) Representative: Tyler Williams, WSCE President

Western Graduate Representative: Hayley Wallace: University Of Western Ontario

Young Professionals Representative: Tucker Morton, Dillon Consulting Ltd.

Section 3: Current (Jan 1, 2019 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if student, university (these will be posted on your Section webpage)

Chair: Julian N. Novick, Wastell Homes

Past Chair: Stephanie Dalo, AECOM

Vice Chair: Khalid Backtash MTO

Secretary: Jon Southen, University of Western Ontario

Treasurer: Grant Strachan, AECON

Co-treasurer: John Gawley, Dillon Consulting Ltd.

Communications: Azmi Hammoud, Professor at Fanshawe College.

CGS Representative: Andrew Stewart, Englobe

CSCE Ontario Region Treasurer: Andy Turnbull, MTO

City Representative: Paul Choma, City of London
 Western Faculty Representative: Mike Bartlett University of Western Ontario
 Western Society Of Civil Engineers (WSCE) Representative: Brandon Lee, WSCE President
 Western Graduate Representative: Jayleah Jon Goor: University Of Western Ontario

Section 4: Number of Section Members (as of Dec 31, 2018)

Executive Committee Members: 13
 Total members (if possible, student and non-student members): Aprox. 300 including CSCE
 Total CGS members (if possible student and non-student members): Aprox. 35

Section 5: Section Finances (as of Dec 31, 2018)

Account balance \$10,092.28
 Does your Section charge members an annual fee? NO
 If so, how much? \$ NA
 Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes
 Is your Section aware of the CGS Lecture Supplement Program? Yes
 Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)? No

Section 6: Section Activities, July 1, 2018 to December 31, 2018			
Date	Speaker/Other	Topic/Subject	Attendance
2018-09-19	Nelson Guiot, (CA, Resident Engineer onsite) Stantec; Sameh Salib and Brent Archibald (Designers of Record); Parsons	Design and Construction of Burgoyne Bridge – Unique Staging for a Unique Bridge	15-30
2018-10-17	Kevin Boudreau, MTO West Region	Design – Build of the New Pelee Island Ferry – M.V. Pelee Islander II	15-30
2018-11-21	Lloyd Perrin, Central Elgin.	Port Stanley Harborland Redevelopment / Hoifhus Park	15-30

Section 7: Additional information or comments

- There are four more scheduled dinner presentations on the third Wend of each month in Jan, Feb, March and April 2019.

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee or the CGS National Office?

**Southern Ontario (Toronto) Section
 Annual Report July 1, 2018 to June 30, 2019**

Formal Section Name: Southern Ontario Section

Section 1: General

Date of this report: July 24, 2019

Prepared by: Billy Singh
Section Director: Billy Singh
End of Section Director's Term: 31 December 2020
Section's CGS web page address: https://www.cgs.ca/section_southern_ontario.php
Last time your Section's CGS web page was updated: 2019
If your Section has a separate website, please provide address: <http://cgs-sos.ca/>
Is there a link from your separate Section website to the CGS website? **Yes**

Section 2: Current (July 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

Chair: Ali Nasser-Moghaddam, Geosyntec
Regional Director: Billy Singh, Terraprobe
Treasurer: Matt MacIntosh, RecoCanada
Communications: Pouya Pishgah, Thurber
Sponsorship: Dino Vito, EBS Geotechnical
Membership and Awards: Amir Poshnejad, Ellisdon
Student Liaison: Rashid Bashir, York University
Secretary: Hafeez Baba, SNC Lavalin
Event Coordinator and Registration: Junaid Khan, Hatch
Event Coordinator and Registration: Sen Hu, Wood
Event Coordinator and Registration: Aly Abdelaziz, University of Toronto
Event Coordinator and Registration: Michael Etezzad, Golder
Student Member: Sebnem Boduroglu, York University

Section 3: Number of Section Members (as of June 30, 2019)

Executive Committee Members: 13

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

Section does not have a separate chapter membership and only promotes National CGS membership

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

Does your section do anything specific to attract new members? See below

- Sponsors students to events,
- Contacts universities, companies, contractors
- Arrange social events such as annual Golf Tournament
- Share chapter news and geotechnical lectures in our LinkedIn page
- Strive to bring well renowned speakers and experts to make membership worthwhile
- Arranges inter organization lectures
- Provides discounted rates to CGS members to section events

Can the national office or newly formed Membership Committee help support your endeavours?

Comments (point form):

- Have better communications with section
- Foster and active consultative approach rather than a passive approach

Section 4: Section Finances (as of May 31, 2019):

Account balance

\$50,485.26

Does your Section charge members an annual fee?

No, Chapter does not have a separate membership to help maximize National CGS membership

If so, how much?

\$

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes

Is your Section aware of the CGS Lecture Supplement Program? Yes

Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)? No

Comments (point form)

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
July 25, 2018	Mr. Tony Sanguiliano, Dr. Yogi Yogendrakumar, Mr. Denny Kort, Mr. Naresh Gursaud and Mr. Wesley Saunders	1 st Summer Workshop: Pile Capacity Verification and Testing Methods	95
August 10, 2018	-	Golf Tournament	99
September 6, 2018	Dr. Neil Taylor	Tunnels and Excavations – Contributions to Their Understanding from Geotechnical Centrifuge Modelling	147
October 2, 2018	Dr. Alex Sy	CCLT – Innovative solutions in construction of the new San Francisco-Oakland Bay Bridge self-anchored suspension span	167
November 14, 2018	Mr. Hubert Guimont	Case History: Liquefaction mitigation using stone columns for the new Gatineau River Bridge	143
December 10, 2018	Mr. Chad LePoudre	Annual Christmas Dinner: Tailings Failure Case Studies, Statistics and Failure Modes – Where Are We? Where Are We Going?	250
January 16, 2019	Representatives from 6 Southern Ontario University Graduate Students	Graduate Student Competition	47
February 13 and 14, 2019	Ms. Annette Bergeron, Professor John Christian, Ms. Sharon Vogel, Mr. John Westland, Mr. Randall J. Essex, Dr. Dennis Becker	Winter Workshop: Fundamentals of Risk in Geotechnical Engineering	101
March 13, 2019	Dr. Richard Bathurst	Recent Development in MSE Wall Design	152
April 17, 2019	Dr. Joe Carvalho	Numerical Modelling and Rock Mass Characterization Approaches for Design of Foundations in Weak Coralline Limestone	138
May 16, 2019	Dr. Donald A. Bruce	Annual Dinner: The Evolution of Specialty Geotechnical Construction Techniques: The “Great Leap” Theory	216

Section 6: Additional information or comments

- Section is in initial process of collecting information regarding the incorporation of CGS-SOS.

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members?

CGS-SOS has provided the following comments in the previous year reports:

“CGS-SOS membership also wants to bring to the attention of CGS Executive Committee/National Office that despite the fact that CGS-SOS is the biggest chapter/section of the CGS in Canada, the representation of CGS-SOS on the CGS National Executive Committee has been virtually little to non-existent for a last number of years. As a society representing

entire Canada with numerous local chapters and sections, it would be more effective, appropriate and inclusive if the CGS executive committee comprises a good representation across Canada including CGS-SOS even if it requires increasing the total number of executive committee officers.”

CGS-SOS is encouraged to see a response from National CGS (President) and has been assured that measures will be taken to address our comments/proposal/concerns. As per my discussion with the national CGS President, the CGS-SOS will be forwarding its comments and suggestions shortly (as decided in the Local Chapter Executive meeting held on July 26, 2019).

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes

**Southeastern Ontario (Kingston) Section
Annual Report July 1, 2018 to June 30, 2019**

Section 1: General

Name of CGS Section: Kingston Section

Date of report: 26 July 2019

Prepared by: E. Maria Skordaki

Section Director: E. Maria Skordaki

End of Term of Director: 31 Dec 2021

CGS website address: http://www.cgs.ca/section_kingston.php

Last time your Section's CGS website was updated: July 2016

If the Section has a separate website...

...please provide address: Facebook: <https://www.facebook.com/groups/843205439043445/>

...is there a link to the CGS website? No link to the Facebook page from the main CGS Page

Section 2: Executive members and their employers or, if students, universities

Chair/Director: Dr. E. Maria Skordaki, Royal Military College of Canada

Past Chair: Mr. Dylan Hill, Malroz Engineering

Vice-Chair: N/A

Treasurer: Mr. David Hodgson, Malroz Engineering Inc.

Members at Large: Timothy Packulak, Queen's University - Dave Gauthier, BGC Engineering - Martin Burger, Groundwork Engineering.- Dr. Nicholas Vlachopoulos, Royal Military College of Canada, Mariem Tahra Ahmed Labeid (Queen's University), David Bonneau (Queen's University)

Section 3: Number of members

Executive members: 9 members (3 of which are students)

Total members (if possible, student and non-student members): access to graduate students from GeoEngineering Queen's-RMC Centre, <http://www.geoeng.ca/Students.htm>

Total CGS members (if possible student and non-student members): ~120 members

Comments (point form)

- Keep an active distribution list of members; and,
- Support other organizations within Kingston and conduct joint activities i.e. GeoEng and PEO.

Section 4: Finances

As of (date): 5 June 2019

Balance: \$ ~13,000.00

Year-End Balance (for Annual Report only): \$

Does your Section charge its members an annual fee? No

If so, how much?

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes.

Is your Section aware of the CGS Lecture Supplement Program (Awards Manual Section C-4)? Yes, we would like to host the CCLT as often as possible.

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

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

Comments (point form)

- Our Section routinely solicits local companies (~\$200.00/year) in order to help with the operating costs of our section (primarily hosting the CCLT and Guest Speakers);
- Our current and past corporate sponsors include:
 - Caduceon Environmental Laboratories
 - Cunningham Swan Carty Little & Bonham LLP
 - DBA Engineering
 - Genivar Inc
 - Golder Associates
 - Groundwork Engineering Limited
 - Houle Chevrier
 - Insitu Remediation Services
 - Inspec Sol Inc.
 - MALROZ Engineering Inc.
 - Maxxam Analytics Inc
 - McIntosh Perry Consulting Engineers Ltd
 - Mine Design Engineering
 - Paracel Laboratories Ltd
 - Vertex Environmental Inc
 - Viner, Kennedy, Frederick, Allan & Tobias LLP
 - WESA Envir-Eau
 - Withey Addison LLP
 - Willms and Shier Environmental Lawyers LLP
 - XCG Consultants Ltd

Section 5: Activities			
Date	Speaker/Other	Topic/Subject	Attendance
Oct. 2 nd 2018	Dr. Alex Sy	Lessons Learned from Geotechnical Failures	20
November 20 th 2018	Section Executive Meeting	Section Executive Meeting	9
March 6 th 2019	43rd Annual Michael Bozozuk Student Forum	Annual Student Competition between University of Ottawa, Carleton University, Queen's University and the Royal Military College of Canada. <u>Winner:</u> Mr. Yunchen Liu, Queen's University	60
April 4 th 2019	Meeting with Kingston Student Chapter Pilot Executive	Proposal for CGS Student Chapter Pilot - Kingston Application	2 (Maria Skordaki, Andrea Walsh)
May 27 th 2019	Dr. Charles D. Shackelford, 2019 Spring CCLT Speaker	The Role of Diffusion in Environmental Geotechnics	40
Jun 5 th , 2019	Section Executive Meeting	Section Executive Meeting	9 6

Section 6: Additional information or comments

Specific CGS activities for the period are listed in the Section 5 table. The Kingston Section supports and disseminates information about weekly student presentations and guest speakers that are hosted by the Queen's-RMC Geo-Engineering Centre as part of its ongoing graduate studies program. The Section Chair will attend the 2019 Canadian Geotechnical Conference, GeoStJohn's.

As well, the Section has sponsored one graduate student, Mr. Yuchen Liu to attend GeoStJohn's in the fall of 2019. The Kingston Section supported/hosted the successful 43rd Annual Michael Bozozuk Student Forum in March 2019. Further, our Section has also encouraged, provided feedback and supported the Kingston Application/Proposal for the local CGS Student Chapter.

We, as a Committee, are also keen in continuing the efforts of the Past Chair Mr. Dylan Hill with respect to establishing a shared network calendar with other Sections in Ontario. We have also approached academics and consultants across Canada and overseas with a view to organising a chart with their availability to give virtual talks to our Section throughout the year.

***Eastern Ontario (Ottawa) Section
Annual Report July 1, 2018 to June 30, 2019***

Formal Section Name: Ottawa Geotechnical Group

Section 1: General

Date of this report: July 2019

Prepared by: Paul Simms

Section Director: Paul Simms

End of Section Director's Term: If 2 year Dec 2021, if 3 year 2022

Section's CGS web page address:

Last time your Section's CGS web page was updated: Dec. 2018

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

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

Section 2: Past (as of Dec 31, 2017) Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Kenton Power

Past Chair: Julio Infante Sedano

Vice Chair: -

Secretary: Bruce Campbell

(Add others as necessary)

Section 3: Current (Jan 1, 2018-June, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities (these will be posted on your Section webpage)

Chair: Kenton Power

Past Chair: Julio Infante Sedano

Vice Chair: -

Secretary: Bruce Campbell

Advisor: Gerry Webb

Treasurer: Matt Kennedy

CGS Section Director: Paul Simms

Exec. Member: Nell van Walsum
 Exec. Member: Mamadou Fall
 Exec. Member: Sean Sterling
 Exec. Member: Mamadou Fall
 Exec. Member: Steve Gaines
 Student Member: Imad Alainachi

Section 4: Number of Section Members (as of Dec 31, 2018)

Executive Committee Members: 11
 Total members (if possible, student and non-student members): 100
 Total CGS members (if possible student and non-student members): Unknown

Section 5: Section Finances (as of June 2019):

Account balance \$52,000.27
 Does your Section charge members an annual fee? Yes
 If so, how much? \$25
 Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes
 Is your Section aware of the CGS Lecture Supplement Program? Yes
 Is your Section planning on sponsoring a Student/MIT to attend GeoEdmonton 2018 (Admin Manual App 12)? Yes, we fund the best Ottawa or Carleton student from the OGG student forum every year
 Comments

Section 6: Section Activities, July 1, 2018 to June 2019			
Date	Speaker/Other	Topic/Subject	Attendance
Sep. 20, 2018	Kick-off Social Event	Beyond the Pale Brewery Tour	20
Oct. 05	CCLT- Alex Sy	Innovative Solutions in Construction of the New San Francisco-Oakland Bay Bridge Self-Anchored Suspension Span	21
Nov. 15	Chinedu J. Enendu	The Heat Exchange Chamber (THEC): Harnessing geothermal energy for cooling/heating buildings without use of heat pump – An assessment of its possible impact on reduction of GHGs	32
Dec. 0	Hubert Guimont	Case History - Liquefaction Mitigation Using Stone Columns for the New Gatineau River Bridge	35
Jan. 2 2019	Rob Blair	Refinements in Bedrock Geology Understanding of Downtown Ottawa	78
Feb 21	Taryn Glancy	Transforming a heavily industrialized site into a “One Planet Community”	25
March 7	OGG Michael Bozozuk Student forum	Yearly competition with 40 year history between Carleton, Ottawa, RMC, and Queens Winner this year was Prasanna Rousseau from Carleton, supervisor Dr. Sivathayalan – held at Kingston (alternates every year).	~30
April 25	Hicham Salem	Expander Body (EB) Technology	25
May 2	CCLT Chuck Shackelford	Role of Diffusion in Engineering Design	45
June 27	Banquet	Banquet	35

Section 7: Additional information or comments

- The new Section representative starting Jan. 2019 is Dr. Paul Simms.

**Western Québec (Montréal) Section
Annual Report July 1, 2018 to June 30, 2019**

Formal Section Name: CGS-Western Quebec Section

Section 1: General

Date of this report: 29 July 2019

Prepared by: M. James and G. Saghaee

Section Director: M. James

End of Section Director's Term: December 2020

Is there a link from your separate Section website to the CGS website? Yes/No: No

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

President: Gholamreza Saghaee (SNC-Lavalin)
Past President: François Duhaime (ÉTS)
Vice President: Alain Plaisant (WSP)
Treasurer: Jérôme Lapierre (SNC-Lavalin)
Administration: Philippe Legault-Capozio (NCL Envirotek)
Program : Abtin Jahanbakhshzadeh (Polytechnique Montréal)
Secretary: Mireille-sandrine Ewane (SNC-Lavalin)
University Representative: Simon-Pierre Tremblay (University of Sherbrooke)
Communications: Raluca Opris (WSP)
(Add others as necessary)

Section 3: Number of Section Members (as of June 30, 2019)

Executive Committee Members: 8

Total members (if possible, student and non-student members): 80

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

Does your section do anything specific to attract new members?

Can the national office or newly formed Membership Committee help support your endeavours?

The CGS- Western Quebec Section is planning to organize student presentations events to attract more student. Details will be provided later.

Comments (point form)

- At a meeting on July 29, 2019 it was decided to no longer charge membership fees. Instead, we will hold more workshops events to fund our activities. We also decided to hold networking and mentoring events.

Section 4: Section Finances (as of June 30, 2019):

Account balance 36 000 \$

Does your Section charge members an annual fee? YES

If so, how much? 30 \$

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes

Is your Section aware of the CGS Lecture Supplement Program? Yes

Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)? Yes

Comments

•

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
4 octobre	Alex Sy	Solutions novatrices dans la construction de la nouvelle travée du pont suspendu auto-ancré San Francisco-Oakland Bay	
8 novembre	Mourad Karray	Synthèse des approches de calcul de la liquéfaction	
11 décembre	Giuseppe Lanzo	Constats sur les propriétés statiques et dynamiques des matériaux utilisés dans les noyaux des barrages en remblai en Italie	
24 janvier	Matt Lato	Application des systèmes de télédétection tridimensionnelle à distance en géotechnique	
5 mars	Benoît Latapie	L'intégration de l'ingénieur géotechnicien au cœur des équipes multidisciplinaires de génie	
20 mars	Rhona Marsland	Infrastructures ferroviaires vieillissantes au Royaume-Uni : études de cas de conception géotechnique	
4 avril	Concours Branko Ladanyi	Gagnant : Jonathan Mole (Université de Sherbrooke)	
29-30 avril	Mourad Karray Anna Chiaradonna	Atelier sur les outils modernes d'analyses de la liquéfaction des sols	
24 mai	Charles D. Shackelford	CCLT – Rôle de la diffusion en géotechnique environnementale	
13 juin	Michel Julien	La gestion des rejets miniers : une pratique qui traverse des changements importants	

Section 6: Additional information or comments

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members?

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes

***Eastern Québec (Québec) Section
Annual Report July 1, 2018 to June 30, 2019***

Formal Section Name: Section régionale l'Est-du-Québec

Section 1: General

Date of this report: 12 august 2019

Prepared by: Ariane Locat

Section Director: Ariane Locat

End of Section Director's Term: December 2021

Is there a link from your separate Section website to the CGS website? ND

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

Chair: Julie Therrien, MTQ
Secretary: Sarah Bouchard, SNC-Lavalin Québec
Communications : Sandra Veillette, MTQ
Treasurers: Thomas Fournier, MTQ, and
Jonathan Leblanc, SNC-Lavalin Québec
Logistic and Student rep: Frédérique Tremblay-Auger, PhD student Université Laval
Section director : Ariane Locat, Université Laval
VP Scholarships Catherine Cloutier, MTQ
VPs Tech Janelle Potvin, MTQ
Pierre-Oliver Maltais, WSP
Tremblay, Shawn, Englobe
Olivier Juneau, LEQ
VP info-lettre Valérie Michaud, SNC-Lavalin Saguenay

Section 3: Number of Section Members (as of June 30, 2019)

Executive Committee Members: 13

Total members (if possible, student and non-student members): 359

Total CGS members (if possible student and non-student members): 56

Does your section do anything specific to attract new members? Can the national office or newly formed Membership Committee help support your endeavours?

Comments (point form)

- Continuing to improving the CGS website can help to keep interest in the CGS.

Section 4: Section Finances (as of June 30, 2019):

Account balance	\$ 8 563.83
Saving account balance	\$ 90 801.43
Total	\$ 99 365.26

Does your Section charge members an annual fee? No

If so, how much? \$

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes

Is your Section aware of the CGS Lecture Supplement Program? No

Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)? Yes

Section 6: Section Activities, July 1, 2018 to December 31, 2018			
Date	Speaker/Other	Topic/Subject	Attendance
12 sept. 2018	Dominique Turmel	Post-rupture des coulées argileuses au Québec	31
3 oct. 2018	Alex Sy	Lessons learned from geotechnical failures	28
21 nov. 2018	Louis D'Amour	Optimisation de la conception du pont Champlain (Conférence conjointe avec la SCGC)	61
5 déc. 2018	Catherine Cloutier	Estimation du volume du glissement rocheux du Mont Éboulé, au Québec	24
5 déc. 2018	Sandra Veillette	Propriétés géotechniques et électriques de l'argile sensible à Saint-François-de-la-Rivière-du-Sud, Québec	24
5 déc. 2018	Alexandra Tremblay-Bouchard	Évaluation du potentiel d'érosion interne du noyau en till à faible pourcentage de particules argileuses d'un barrage en remblai	24
11 déc. 2018	Giuseppe Lanzo	Constats sur les propriétés statiques et dynamiques des matériaux utilisés dans les noyaux des barrages en remblai en Italie (Présentation à distance diffusée par la Section régionale de l'Ouest du Québec)	7
24 Jan. 2019	Denise Leahy	Stabilité des digues et barrages – Les règles de l'art, la modélisation, la pratique, la réglementation	87
7 Feb. 2019	13 speakers from private, governmental and university sectors	Atelier sur la pratique de la géotechnique	~170
29 Mars 2019	Jacques Locat	Les glissements subaquatiques en Amérique du Nord : diversité et enjeux	33
23 Avril 2019	Michel Dolbec	Déluge du Saguenay – retour d'expérience sur l'évènement	43
23 Mai 2019	Charles D. Shackelford	Enhanced bentonites for sustainable chemical containment	9

Section 6: Additional information or comments

- Scholarships/grants given by Section régionale de l'Est du Québec to help students and young professionals to attend conference and short courses:
 - \$ 900 Prix Pierre-La Rochelle 2017 given to Sandra Veillette, MTQ and MSc student at Université Laval (sponsored student to attend GeoEdmonton)
 - \$ 500 CFC1 2018 scholarship given to Catherine Cloutier, MTQ
 - \$ 500 CFC2 2018 scholarship given to Alexandra Tremblay-Bouchard, PhD student at Université Laval
 - 3 Registrations for the Atelier sur la Pratique de la géotechnique to Shervin Rahimi (WSP), Marjorie Lapointe-Aubert (M. Sc. Student at Université Laval) et Stéphane Tremblay, (M.Sc Student at Université Laval)

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members? No

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes

Section régionale de l'Est-du-Québec
Rapport annuel du 1^{er} juillet 2018 au 30 juin 2019

Nom officiel de la section: Section régionale de l'Est-du-Québec

Section 1: Généralité

Date du rapport : 12 août 2019

Préparé par : Ariane Locat

Directeur régional : Ariane Locat

Fin du terme du directeur : 2021

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

Y a-t-il un lien sur le site web de la section qui dirige vers le site internet de la SCG ? Non

Section 2: Membres actuels (1 janvier, 2019-31 décembre, 2019) de l'exécutif et leur affiliation (employeur ou, si étudiants, leur université)

Présidente : Julie Therrien, MTQ

Secrétaire : Sarah Bouchard, étudiante au doctorat Université Laval, SNC-Lavalin-Québec

Communications : Sandra Veillette, étudiante à la maîtrise Université Laval, MTQ

Trésoriers : Thomas Fournier, MTQ et
Jonathan Leblanc, SNC-Lavalin Québec

Logistiques et Repé étudiante : Frédérique Tremblay-Auger, PhD student Université Laval

Directrice de la section : Ariane Locat, Université Laval

VP Bourses : Catherine Cloutier, MTQ

VPs Tech : Janelle Potvin, MTQ
Pierre-Oliver Maltais, WSP
Tremblay, Shawn, Englobe
Oliver Juneau, LEQ

VP Info-Lettre Valérie Michaud, SNC-Lavalin-Saguenay

Section 3: Nombre de membres (en date du 30 juin, 2019)

Membres de l'exécutif : 13

Membres total (si possible, membres étudiants et non-étudiants) :359

Membre de la SCG (si possible, membres étudiants et non-étudiants) :56

Est-ce que votre section fait quelque chose de spécifique pour attirer de nouveaux membres? Est-ce que le bureau national ou le nouveau comité Communication et services aux membres peut aider à supporter vos efforts?

Commentaires (sous forme de points)

- La continuel amélioration du site web de la SCG aide à garder l'intérêt pour la SCG.

Section 4: Finances (en date du 30 juin, 2019):

Solde du compte \$ 8 563.83

Sold du compte d'épargne \$ 90 801.43

Total \$ 99 365.26

Est-ce que votre section facture des frais annuels? Non

Si oui, combien? \$

Est-ce que votre section est au courant que la SCG peut apporter une assistance financière aux sections? Oui

Est-ce que votre section est au courant du programme de supplément de conférence de la SCG? Oui

Est-ce que votre section planifie commanditer un étudiant pour assister à la conférence GeoStJohns 2019 (Admin Manual App 12)? Oui

Section 5: Activités de la section, 1^{er} juillet, 2018 au 30 juin, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
12 sept. 2018	Dominique Turmel	Post-rupture des coulées argileuses au Québec	31
3 oct. 2018	Alex Sy	Lessons learned from geotechnical failures	28
21 nov. 2018	Louis D'Amour	Optimisation de la conception du pont Champlain (Conférence conjointe avec la SCGC)	61
5 déc. 2018	Catherine Cloutier	Estimation du volume du glissement rocheux du Mont Éboulé, au Québec	24
5 déc. 2018	Sandra Veillette	Propriétés géotechniques et électriques de l'argile sensible à Saint-François-de-la-Rivière-du-Sud, Québec	24
5 déc. 2018	Alexandra Tremblay-Bouchard	Évaluation du potentiel d'érosion interne du noyau en till à faible pourcentage de particules argileuses d'un barrage en remblai	24
11 déc. 2018	Giuseppe Lanzo	Constats sur les propriétés statiques et dynamiques des matériaux utilisés dans les noyaux des barrages en remblai en Italie (Présentation à distance diffusée par la Section régionale de l'Ouest du Québec)	7
24 Jan. 2019	Denise Leahy	Stabilité des digues et barrages – Les règles de l'art, la modélisation, la pratique, la réglementation	87
7 Feb. 2019	13 présentateurs du secteur privé, gouvernemental et universitaire	Atelier sur la pratique de la géotechnique	~170
29 Mars 2019	Jacques Locat	Les glissements subaquatiques en Amérique du Nord : diversité et enjeux	33
23 Avril 2019	Michel Dolbec	Déluge du Saguenay – retour d'expérience sur l'évènement	43
23 Mai 2019	Charles D. Shackelford	Enhanced bentonites for sustainable chemical containment	9

Section 6 : Informations additionnelles et commentaires

- Bourses/subventions données par la Section régionale de l'Est du Québec pour aider les étudiants et les jeunes professionnels à participer à des conférences et cours intensifs:
 - 900\$ Prix Pierre-La Rochelle 2018 donné à Sandra Veillette, MTQ et étudiante MSc à l'Université Laval (étudiante subventionnée pour participer à GeoEdmonton)
 - \$ 500 Bourse CFC1 2018 donnée à Catherine Cloutier, MTQ;
 - \$ 500 Bourse CFC2 2018 donnée à Alexandra Tremblay-Bouchard étudiante MSc à l'Université Laval
 - 3 inscriptions à l'Atelier sur la pratique de la géotechnique données à Shervin Rahimi (WSP), Marjorie Lapointe-Aubert (étudiante MSc à l'Université Laval) et Stéphane Tremblay (étudiante MSc à l'Université Laval).

Section 7 : Est-ce qu'il y a des questions ou des commentaires spécifiques que vous aimeriez apporter à l'attention des représentants de sections sur le comité exécutif de la SCG, l'office national de la SCG ou les membres du comité des directeurs.

Planifiez-vous assister à la rencontre des directeurs de l'automne à Saint-John, le dimanche 29 septembre? Oui

**New Brunswick (Fredericton) Section
Annual Report July 1, 2018 to June 30, 2019**

Formal Section Name: New Brunswick

Section 1: General

Date of this report: 8/19/19
Prepared by: Chris McQueen
Division Chair: Chris McQueen
End of Division Chair's Term: 12/31/20

1) List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during the next year (2019 / 2020)?

- Sponsorship of graduate student for CGS annual conference
- Increase membership
- Increase number of functions with CSCE

Section 2: Current (as of January 1, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, these will be posted on your Division webpage)

Chair: Christopher McQueen – Englobe Corp.
Past Chair: Ben McGuigan – GEMTEC Ltd.
Vice Chair: Sam Oshati – GEMTEC Ltd.
Secretary: Christiane Levesque – Measurand
Treasurer: Rochelle Staples – Stantec Ltd.

Section 3: Number of Division Members (as of June 30, 2019)

Executive Committee Members: 5
1st Choice members (can be obtained from Lisa): 17
2nd Choice members (can be obtained from Lisa):

Comments (point form)

- Executive committee is made up entirely of industry professionals which several years of experience on the committee. We have conference calls three to four times a year.

Section 4: Is your Division affiliated with other organizations? (Admin Manual Section 6 and App 10 and 26)

If yes: No

National affiliates and name(s) of CGS representative(s)

•

North American affiliates and name(s) of CGS representative(s)

•

International affiliates and name(s) of CGS representative(s)

•

Comments (point form)

- Loosely affiliated with CSCE but we have not had joint functions

Section 5: Division Finances (as of June 30, 2019)

Account Balance: \$ 443.53

Comments

•

Section 6: Division Activities in past year (July 1, 2018 to June 30, 2019)

- Spring 2019 Cross Canada Lecture Tour in Fredericton

Section 7: Additional information or comments

•

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the Division Representative on the CGS Executive Committee; the CGS National Office or fellow Board members?

None at this time.

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes / No

Personally, no. We have had council members attend in the past.

Nova Scotia (Halifax) Section
Annual Report July 1, 2018 to June 30, 2019

Formal Section Name: Nova Scotia

Section 1: General

Date of this report: July 26, 2019

Prepared by: Sheri Burton

Section Director: Sheri Burton

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

Is there a link from your separate Section website to the CGS website? NA

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

Chair: Sheri Burton (Golder Associates)

Past Chair: James Mitchell (Stantec)

Vice Chair: Ilia Wainshtein (Wood Group)

Section 3: Number of Section Members (as of June 30, 2019)

Executive Committee Members: 3

Total members (if possible, student and non-student members): 50

Total CGS members (if possible student and non-student members): 20

Does your section do anything specific to attract new members? Can the national office or newly formed Membership Committee help support your endeavours?

Comments (point form)

Section 4: Section Finances (as of June 30, 2019):

Account balance \$17,850

Does your Section charge members an annual fee? no

If so, how much? \$

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes

Is your Section aware of the CGS Lecture Supplement Program? Yes

Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)? No

Comments:

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
October 1, 2018	Dr. Alex Sy	Fall 2018 Cross Canada Lecture Tour - Lessons Learned from Geotechnical Failures	27
November 14, 2018	Kenny Campbell, Director - Business Development with Geo Instruments	Lunch & Learn – The Fundamentals of Structural and Infrastructure Monitoring	16
November 22, 2018	Matt Davidson; Mohammad Ashari	Recent Geotechnical Research from Dalhousie University - Upland Confined Disposal of Salt Contaminated Dredged Marine Sediments; •Large-Scale Triaxial Testing of Sustainable TDA Backfilling Alternatives	12
January 23, 2019	Dr. Matt Lato	2018 CGS Colloquium Lecture - Leveraging Three-Dimensional Remote Sensing in Geotechnical Engineering	23
February 28, 2019	Dalhousie Graduate Student Chapter for Geotechnical Engineering (various presenters)	Geotechnical Research at Dalhousie University	36

Section 6: Additional information or comments

•

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members? No

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes

***Newfoundland and Labrador (St. John's) Section
Annual Report July 1, 2018 to June 30, 2019***

Formal Section Name: Newfoundland and Labrador (St. John's)

Section 1: General

Date of this report: July 25, 2019
 Prepared by: Shawn Russell
 Section Director: Andrew Peach
 End of Section Director's Term: December 2019
 Is there a link from your separate Section website to the CGS website? Yes/No N/A

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

Chair: Andrew Peach, P.Geo., EP., Location Manager, Golder
 Past Chair: Rajib Dey, Ph.D., P.Eng., Geotechnical Engineer, Stantec
 Vice Chair:
 Secretary: Shawn Russell, P.Eng., Senior Geotechnical Engineer, GEMTEC

Section 3: Number of Section Members (as of June 30, 2019)

Executive Committee Members: 03
 Total members (if possible, student and non-student members): Student: 10, non-student 15

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

Does your section do anything specific to attract new members? Can the national office or newly formed Membership Committee help support your endeavours? We always try through our events and encourage students to become members, Yes

Comments (point form)

- Approximately 80+ names on email listserv, average 30+ have attended CGS section events in 2018-2019. Events typically attended by students and committee members, University faculty staff and a few industry people

Section 4: Section Finances (as of June 30, 2019):

Account balance \$229.29

Does your Section charge members an annual fee? NO

If so, how much? N/A

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes/No, YES

Is your Section aware of the CGS Lecture Supplement Program? Yes/No, YES

Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)? Yes/No, NO

Comments (point form)

- Every year, we nominate one student to attend the annual CGS conference. Typically student gets scholarship from CGS national and conference organizing committee since our section does not have enough financial capacity to sponsor a student.

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
July 16, 2018	CGS Student Presentations	Student presentations, selection of candidate to sponsor for GeoEdmonton	15 (in person)
May 21, 2019	Prof. Charles Shackelford, Ph.D., P.E., F.ASCE	CCLT- " <i>Membrane Behavior and Chemico-Osmosis in Clays</i> "	15 (in person)
cYGEGC 2019	Local student CSG members	local organizing committee meeting and discussion on conference theme, venue, technical session etc.	2
Geo St John's 2019	Local CSG members	local organizing committee meeting and discussion on conference theme, venue, technical session etc.	10 to 20

Section 6: Additional information or comments (point form)

- Several meetings regarding cYGEGC 2019 conference and Geo-St John's 2019 Conference.

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members? No

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes

TECHNICAL DIVISION REPORTS

Technical Divisions Representative Summary Annual Report – Jack Seto July 1, 2018 to June 30, 2019

Section 1: General

Date of report: September 18, 2019

Prepared by: Jack Seto (JS), CGS Division Representative

End of Term: December 31, 2019

Website: <https://www.cgs.ca/divisions.php?lang=en>

Section 2: Reports

All seven divisions have responded. Varying degrees of activity between divisions. We welcomed Stephen Butt as incoming Chair for Engineering Geology.

Section 3: Websites

All division websites on the CGS website require updates, including updates or links that would be of interest to division members, such as related conferences, short-courses, newly-released technical documents, etc.

Section 4: Finances

Only two divisions have balances: Cold Regions Geotechnology and Engineering Geology. See individual reports for details. Divisions are wondering how they can best-utilize their funds to support their divisional efforts. E.g., for short courses, supporting students and young professionals, etc.

Section 5: Division affiliations with other organizations

General comments about membership and activities: All Divisions active.

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

- Cold Regions Geotechnology (CRG) International Permafrost Association (IPA)
Canadian Permafrost Association (CPA)
- Engineering Geology (EG) International Association of Engineering Geology (IAEG)
North American AEG for the Engineering Geology Division
- Geoenvironmental (GE) International Society of Soil Mechanics and
Geotechnical Engineering (ISSMGE)
- Geosynthetics (GS) IGS – North America (IGS-NA; formerly NAGS)
International Geosynthetics Society (IGS)
- Groundwater (GW) International Association of Hydrogeologists (IAH-CNC)
- Rock Mechanics (RM) International Society of Rock Mechanics (ISRM)
Canadian Rock Mechanics Association (CARMA)
- Soil Mechanics and Foundations (SMF) 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. These include interactions with conferences (e.g.. technical reviewers, organizers, session chairs, etc.)

Section 6: Division Awards

Divisions are responsible for soliciting, reviewing, and nominating Division Awards. At GeoEdmonton2018, the following awards were handed out.

- CRG (Roger JE Brown) Ed Hoeve
- EG (Thomas Roy) Iain Bruce
- GE Steven Rose
- GW (Robert N Farvolden) Larry Bentley
- SMF (GG. Meyerhof) Jean-Pierre Tournier

No division awards were handed out for RM (John A Franklin) or GS in 2018.

The EG, GW, SMF, RM, and GS divisions worked to nominate award winners to be announced at GeoStJohn's 2019.

Section 7: Additional information or comments

Division chairs for RM and EG were involved in organizing a short course at GeoEdmonton, and plan to offer another short course at GeoStJohn's. GS would like to organize a short course for GeoCalgary in 2020. Short courses are a great way to educate and provide professional development opportunities for CGS members, many thanks.

Selected Divisions are keen to support the preparation of the next Canadian Foundation Engineering Manual.

The CRG division provided an article on the Inuvik-Tuktoyaktuk Highway for Geotechnical News. The RM and SMF divisions have provided an article that will appear in December 2019 issue.



THE CANADIAN
GEOTECHNICAL SOCIETY
LA SOCIÉTÉ CANADIENNE
DE GÉOTECHNIQUE

CGS Divisional Dashboard

Current Divisional Chair: **Jack Seto** jseto@bgcengineering.ca
 Past Divisional Chair: **Nicholas Vlachopoulos** vlach@rmc.ca

Division	Current Chair	Chair Ending	Div Members	Funding	Nat'l & Internat'l Affiliates	Divisional Prize (or voting member of a Prize)	Notes
Cold Regions Geotechnology	Jack Seto jseto@bgcengineering.ca	31-Dec-19	1 st Choice: 74, 2 nd Choice: 227	\$12,776.00	International Permafrost Association (IPA), Canadian Permafrost Association (CPA)	Roger JE Brown Award (Ed Hoeve 2018)	Wish to sponsor students to GeoStJohn's 2019 & CYGEGC. Reviewed cold regions related papers for GeoStJohn's 2019. Would like to set up so that CGS members, when applying/renewing membership, can have option of applying for CPA membership (with nominal discount).
Engineering Geology	Stephen Butt sdbutt@mun.ca	31-Dec-21	1 st Choice: 120, 2 nd Choice: 307	\$8,836.00	Association of Geohazard Professionals, International Association of Engineering Geology (IAEG), North American AEG for the Engineering Geology Division	Thomas Roy Award (Iain Bruce 2018)	Jean Hutchinson is VP International for IAEG. Participate in the organization and planning of GeoStJohn's, including sponsoring engineering-geology short course. Have an online CGS Engineering Geology of Canada monograph started and populated. Plan to engage more youth and get them involved in the Executive and Divisional activities. Keen to know how Division can spend its budget for benefit of CGS members. Selected recipient for Thomas Roy Award in 2019.
Geoenvironmental	Magdalena Krol magdalena.krol@lassonde.yorku.ca	31-Dec-21	1 st Choice: n/a, 2 nd Choice: n/a	n/a		GeoEnvironmental award (Steven Rose 2018)	would like to increase number of members and increase number of submissions to annual conferences. Selected vice-chair at GeoEdmonton 2018.
Geosynthetics	René Laprade r.laprade@tencategeo.com	31-Dec-20	1 st Choice: 54, 2 nd Choice: 197	n/a	IGS – North America (IGS-NA; formerly NAGS), International Geosynthetics Society (IGS)	Geosynthetics Award (no award in 2018)	Bruno Herlin is liaison with IGS-NA. Would like to duplicate IGS-NA. Plan to discuss filling liaison position with IGS-NA at GeoStJohn's 2019. Selected recipient for Geosynthetics Award in 2019. plan to offer short course on geosynthetics at GeoCalgary 2020. Would like to fill non-voting liaison position for CGS on the IGS-NA BOD.
Groundwater	Jasmin Raymond jasmin.raymond@inrs.ca	31-Dec-20	1 st Choice: 47, 2 nd Choice: n/a	n/a	International Association of Hydrogeologists (IAH-CNC)	Robert N Farvolden Award (Joint) (Larry Bentley 2018)	Reviewed groundwater and subsurface energy systems papers for GeoStJohn's 2019 and for GAC-MAC-IAH conference (Quebec, May 2019). With IAH-CNC, selected recipients for 2019 Robert N Farvolden Award; early-career hydrogeologist; and long-term service.
Rock Mechanics	Mohsen Nicksiar Mohsen.Nicksiar@snclavalin.com	31-Dec-20	1 st Choice: 95, 2 nd Choice: 238	n/a	International Society of Rock Mechanics (ISRM)	John A Franklin Award (no award in 2018)	ISRM: Doug Stead is VP North America; CARMA: Sam Proskin is President; RMD & CARMA collaborating with ISRM VP NA; presented a core logging workshop at GeoEdmonton2018 with EGD (15 participants) and planning short course on rock outcrop mapping at GeoStJohn's 2019 with EGD. Preparing RMD article for Geotechnical News later in 2019. Selected 2019 recipient for John A Franklin Award. As part of CARMA, supported nomination of ISRM NA VP (to replace Doug Stead at end of 2019).
Soil Mechanics and Foundations	Dipanjan Basu dipanjan.basu@uwaterloo.ca	31-Dec-20	1 st Choice: 662, 2 nd Choice: 238	n/a	International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE)	G.G. Meyerhof Award (Jean-Pierre Tournier 2018)	selected recipient for G.G. Meyerhof Award for 2019. Currently have 9 executive committee members and would like to add 1-2 more.

**Cold Regions Geotechnology Division
Annual Report July 1, 2018 to June 30, 2019**

Division Name: Cold Regions Geotechnology

Section 1: General

Date of this report: July 31, 2019
Prepared by: Jack Seto
Division Chair: Jack Seto
End of Division Chair's Term: December 31, 2019

- 1) List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during the next year (2019 / 2020)?
 - Assist the local organizing committee of GeoSt.John's on the Cold Regions theme of the conference.
 - Support and assist the local organizing committee of the 2019 Canadian Permafrost Conference to be held in conjunction with the ASCE International Conference on Cold Regions Engineering in Quebec City.
 - Provide financial support to students attending GeoSt.John's, CYGeGC, and the 2019 Canadian Permafrost Conference

Section 2: Current (as of January 1, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, these will be posted on your Division webpage)

Chair: Jack Seto
Past Chair: Baolin Wang
Vice Chair:
Secretary:

Executive Committee Members:

Marolo Alfaro, University of Manitoba, Winnipeg, MB
Simon Dumais – Université Laval, Québec City, QC
Ed Hoeve – HovEng Consulting Ltd., Yellowknife, NT
Julie Malenfant-Lepage, Université Laval, Québec City, QC
Heather Brooks, BGC Engineering Inc., Edmonton, AB

Section 3: Number of Division Members (as of June 30, 2019)

1st Choice members (can be obtained from Lisa): 74
2nd Choice members (can be obtained from Lisa): 227
Comments:

Section 4: Is your Division affiliated with other organizations? (Admin Manual Section 6 and App 10 and 26)

Yes

If yes:

National affiliates and name(s) of CGS representative(s)

- Executive Committee of CNC-IPA who is also an Executive member of the Cold Regions Geotechnology Division (CRGD).
- The Canadian Permafrost Association (CPA) was established in 2018, represented by Lukas Arenson as President.

North American affiliates and name(s) of CGS representative(s)

•

International affiliates and name(s) of CGS representative(s)

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

Comments:

•

Section 5: Division Finances (as of June 30, 2019)

Account Balance: \$12,776

Comments (point form)

- \$3,000 Seed Fund was provided by the Division to support the Canadian Permafrost Conference, but has not been deducted from account.

Section 6: Division Activities in past year (July 1, 2018 to June 30, 2019) (point form)

- An article on the Inuvik to Tuktoyaktuk Highway was prepared for Geotechnical News by CGS member Ed Grozic.
- Assisted the local organizing committee of GeoEdmonton2018 on the Cold Regions theme of the conference.
- The Roger J.E. Brown Award was given to Mr. Ed Hoeve at GeoEdmonton2018
- Assisted the local organizing committee of GeoStJohns2019 in reviewing abstracts and papers on the Cold Regions theme of the conference.

Section 7: Additional information or comments

•

Section 8. Do you have any specific questions or issues that you would like to bring to the attention of the Division Representative on the CGS Executive Committee; the CGS National Office or fellow Board members?

No

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes / No

Yes

***Engineering Geology Division
Annual Report July 1, 2018 to June 30, 2019***

Division Name: Engineering Geology

Section 1: General

Date of report: 05 April 2019

Prepared by: Stephen Butt

Division Chair: Stephen Butt

End of Division Chair's Term: December 31st 2021

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

Last time your Division's CGS web page was updated: April 2019

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

List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during CGS year (July 1, 2018 to June 31, 2019).

- Engineering Geology-sponsored Short Course at CGS2019 St. John's
- 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
- Define Engineering Geology (and associated branches etc.) and harmonize this definition with provincial, national and international standards
- Engage more youth and get them involved in the Executive and Divisional activities
- Participate in the organization and planning for CGS 2019 in St. John's

Section 2: Past (as of Dec 31, 2018) 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 (Add others as necessary)

Members: Karine Champagne, HydroQuebec, Quebec
 Anna Torgunrud, Mollard Assoc, Saskatchewan
 Renato Macciotta, University of Alberta, Alberta
 Andrew Peach, Golder Assoc. Ltd, Newfoundland

Section 3: Current (Jan 1, 2019-Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities (these will be posted on your Division webpage)

Chair, 2019: Stephen Butt, Memorial University, Newfoundland (*started 01 Jan 2019*)
 Past Chair: Nicholas Vlachopoulos, Royal Military College of Canada, Ontario
 Vice Chair: TBD
 Members: Anna Torgunrud, Mollard Assoc, Saskatchewan
 Renato Macciotta, University of Alberta, Alberta
 Andrew Peach, Golder Assoc. Ltd, Newfoundland
 Brad Forbes, Young Professional Representative on EGD Executive, PhD Student, Queen's University, bradforbes1@gmail.com

Section 4: Number of Division Members (as of 31 December 2018)

Executive Committee Members: 6
 1st Choice members: 120
 2nd Choice members: 307

Section 5: Is your Division affiliated with other organizations? (Admin Manual Section 6 and App 10 and 26) - YES

National Affiliates:

- Association of Geohazard Professionals <http://www.geohazardassociation.com/>
- Canadian Federation of Earth Scientists (CFES, <http://earthsciencescanada.com/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/eqd/

International Affiliates:

- IAEG - CGS representatives – Canada (**Mario Ruel**, CGS President and **Dr. Stephen Butt**, National Representative),
- IAEG VP for North America started in Jan 2019 – **Dr. Jean Hutchinson** named as IAEG VP as determined by the National CGS Executive.

Section 6: Division Finances (as of 31 December 2018)

Account Balance: \$8,836.00.

Comments (point form)

- Selected funding toward on-line arrangement of Engineering Geology in Canada website /on-line Monograph to be considered in 2018
- Funding for young members initiatives also to be considered in 2019
- Funding in support of Short Course at CGS2019 St. John's being considered.

Section 7: Division Activities in past year (July 1, 2018 to December 31, 2019)

- **Dr. Iain Bruce, BGC Engineering** was awarded the Thomas Roy Award for 2018 at the CGS2018 in Edmonton. Dr. Bruce founded Bruce Geotechnical Consultants in 1989 and co-founded BGC Engineering Inc. in 1990 which has grown into a multinational company with offices in North and South America. He has engineering expertise is dealing with mine wastes and mine tailings dams and he has undertaken many projects worldwide.
- The EGD Executive solicited nominations and made recommendation to the CGS Executive for the Thomas Roy Award for 2019 at CGS2019 in St. John's. The recipient will be announced at that conference.
- **Dr. Nicholas Vlachopoulos**, as EGD Chair, represented Canada at the IAEG Congress in San Francisco in Sept 2018 and **Dr. Jean Hutchinson** attended as observer.
- **Dr. Jean Hutchinson** from Queen's University was named as IAEG VP North America as determined by the National CGS Executive, and was confirmed at the IAEG Congress in San Francisco in Sept 2018. She assumed the role in Jan, 2019 and attended the mid-year meeting of the IAEG Executive Committee meeting in Paris in April 2019. She gave a summary report to the EGD Executive and a copy of this report can be provided upon request.
- A Rock Core Logging Short Course co-ordinated jointly between the Rock Mechanics Division and the Engineering Geology Division was held at the CGS2018 in Edmonton in Sept, 2018. The Past Chair was a primary organizer as well as presenter for that venue. The course was well attended and well received. 26 participants were present and the core was provided by industry.
- During the EGD Executive meeting at the GeoEdmonton CGS AGM 2018 the following were reviewed:
 - Presentation of EGD Annual Report
 - Collaboration with other CGS Divisions / Committees
 - Ideas – future Workshops (i.e. Engineering Geology in Canada workshop)
 - Joint Short Course with Rock Mechanics Division at CGS2019 St. John's
 - Discussion of Young Member Executive Position and solicitation for additional ACTIVE 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 AGM was attended by 12 individuals who had much to contribute and discuss. Many of them were from the Rock Mechanics Division as well. Therefore, these AGMs should not occur simultaneously in the future in order to allow members from each of these divisions to participate in the other's AGM as well.
- The EGD Executive is engaged with the planning and preparations for the upcoming CGS2019 in St. John's in October 2019, with both **Dr. Stephen Butt** and **Andrew Peach** engaged as Steering and Technical Committee members. Mr. Peach is organizing the Short Courses for the conference, and Dr. Butt is participating in developing the course on Rock Mass Characterization being held jointly with the Rock Mechanics Division.
- EGD provided the CGS2019 St. John's Technical Committee with a comprehensive list of reviewers for papers – many from list chosen for this purpose.
- As a result of the discussions at the EGD Executive meeting at GeoOttawa2017, it was decided to go on-line with the manuscript of Engineering Geology. This initiative has been advertised within Geotechnical News, E-mails have been

sent out, specific people were contacted, however, minimal input has been received to date. Will be more aggressive in terms of solicitation. Only one respondent to date has been received in terms of feedback and willingness to contribute. Need to re-assess this initiative and strategy. This is being lead by Past Chair **Dr. Nicholas Vlachopoulos**.

- Working closely and have a CGS representative with the Canadian Federation of Earth Scientists (CFES). The Past Chair, **Dr. Nicholas Vlachopoulos** is the CGS Representative and was renewed in this capacity by incoming president of CGS. The CFES website is: <http://earthsciencescanada.com/cfes/>
- EGD Executive was/is involved in the Eurock 2018 Scientific Committees as well as the ARMA 2019 specialty sessions and scientific / technical review committees.
- Executive Member **Mr. Andrew Peach** is conducting a study into defining Engineering Geology. The Association of Professional Engineers and Geoscientists of Newfoundland and Labrador or PEGNL has recently undertaken an initiative to define the scope of practice for Geotechnical Engineers, Geological Engineers and Engineering Geologists. Their goal is to provide clarity on overlapping scopes of practice as well as to determine what might be considered restricted scopes of practice specific to each discipline. As such, EGD has reached out to international bodies and national ones in an attempt to standardize such definitions.
- Past Chair (**Dr. Nicholas Vlachopoulos**):
 - Was the Division Rep for the National CGS Committee – 1 Jan 2018 – 31 Dec 2018
 - Is a session developer and technical reviewer for a special session on engineering geology for ARMA 2019 (New York) in June 2019.
 - helped evaluate the papers from technical sessions for EUROCK 2018 (St Petersburg, Russia).
 - Was a Session Chair at GeoEdmonton
 - Agreed to be the co-Chair of the C4 IAEG Educational Committee at SanFrancisco Congress

Section 8: Additional information or comments

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

Section 9: Do you have any specific questions or issues that you would like to bring to the attention of the Division Representative on the CGS Executive Committee or the CGS National Office?

- Would like to determine how the Division can spend its budget on relevant venues for the benefit of CGS members.

Geoenvironmental Division
Annual Report July 1, 2018 to June 30, 2019

Division Name: Geoenvironmental

Section 1: General

Date of this report: July 25, 2019

Prepared by: Magdalena Krol

Division Chair: Magdalena Krol

End of Division Chair's Term: December 2021

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

1) List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during the next year (2019 / 2020)?

- Increase number of members
- Increase submission to annual conferences

Section 2: Current (January 1 – Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, these will be posted on your Division webpage)

Chair: Magdalena Krol, York University
Past Chair: Craig Lake, Dalhousie University
Vice Chair: Vincent Martin, Polytechnique Montréal
Secretary: Asad Abdullah, York University
Member At Large: Catherine Mulligan, Concordia
Ex-officio member: Tim Newson, Western
Ex-officio member: Paul Simms, Carleton
Ex-officio member: Richard Brachman, Queens

Section 3: Number of Division Members (as of June 30, 2019)

Executive Committee Members: 4+3
1st Choice members (can be obtained from Lisa):
2nd Choice members (can be obtained from Lisa):
Comments (point form)
Does your section do anything specific to attract new members? Can the national office or newly formed Membership Committee help support your endeavours?

Section 4: Section Finances (as of June 30, 2019):

Account balance \$
Does your Section charge members an annual fee? No
If so, how much? \$
Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes
Is your Section aware of the CGS Lecture Supplement Program? No
Is your Section planning on sponsoring a Student/MIT to attend GeoStJohns 2019 (Admin Manual App 12)? No

Comments

Section 5: Section Activities, July 1, 2018 to June 30, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
Sept 2018	GeoEdmonton Conference	Various speakers	
Sept 2018	Selection of Vice chair		

Section 6: Additional information or comments

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members?

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes

Geosynthetics Division
Annual Report July 1, 2018 to June 30, 2019

Section 1: General

Date of this report: July 24, 2019
Prepared by: René Laprade
Division Chair: René Laprade
End of Division Chair's Term: December 31, 2020

1) List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during the next year (2019 / 2020)?

- Offer short-course on geosynthetics at GeoCalgary (2020) conference.
- Fill the non-voting liaison position for CGS on the IGS-NA Board of Directors

Section 2: Current (as of January 1, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, these will be posted on your Division webpage)

Chair: René Laprade, TenCate Geosynthetics
Past Chair: Richard Brachman, Queen's University
Vice Chair: Craig Lake, Dalhousie University
Secretary:
Liaison with IGS-NA: Bruno Herlin, Terrafix Geosynthetics

Section 3: Number of Division Members (as of June 30, 2019)

Executive Committee Members:

1st Choice members (can be obtained from Lisa): 54

2nd Choice members (can be obtained from Lisa): 197

Comments (point form)

•

Section 4: Is your Division affiliated with other organizations? (Admin Manual Section 6 and App 10 and 26)

If yes:

National affiliates and name(s) of CGS representative(s)

•

North American affiliates and name(s) of CGS representative(s)

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

International affiliates and name(s) of CGS representative(s)

- International Geosynthetics Society (IGS)

Comments (point form)

•

Section 5: Division Finances (as of June 30, 2019)

Account Balance: \$

Comments (point form)

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

•

Section 6: Division Activities in past year (July 1, 2018 to June 30, 2019) (point form)

- Held division meeting at GeoEdmonton where discussions took place to possibly start a CGS-Geosynthetics YouTube channel.

- Subsequent conversations with IGS-NA (Richard Brachman) revealed that they are also planning a similar effort. The CGS initiative would duplicate this program.
- Will discuss filling the liaison position with IGS-NA at the Geo St. John's meeting.

Section 7: Additional information or comments

•

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the Division Representative on the CGS Executive Committee; the CGS National Office or fellow Board members?

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes

***Groundwater Division
Annual Report July 1, 2018 to June 30, 2019***

Section 1: General

Date of this report: July 30th, 2019

Prepared by: Jasmin Raymond

Division Chair: Jasmin Raymond

End of Division Chair's Term: December 31, 2020

1) List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during the next year (2019 / 2020)?

The GWD will continue to cooperate with the IAH-CNC to identify possible joint industry event activities. Specifically the GWD looks forward to participate in the 2020 GeoConvention meeting in Calgary where significant presentations on groundwater will be made. The GWD will participate in the proposal of groundwater sessions with IAH-CNC for the GeoConvention 2020 conference. The GWD will also be active for the next CGS meeting.

Section 2: Current (as of January 1, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, these will be posted on your Division webpage)

Chair: Jasmin Raymond, INRS

Past Chair: Frank Magdich, Oak Environmental Inc.

Vice Chair: Vacant

Secretary: Vacant

IAH-CNC Liaison. Diana Allen, Simon Fraser University

Section 3: Number of Division Members (as of June 30, 2019)

Executive Committee Members: 1

Total members (if possible, student and non-student members): 47

Total CGS members (if possible student and non-student members): 47

Section 4: Is your Division affiliated with other organizations? (Admin Manual Section 6 and App 10 and 26)

Members of the GWD are CGS members that indicated the GWD as their first choice when registering to the CGS. The CGS-GWD is affiliated to 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 CGS shares the Robert N. Farvolden Award with the IAH-CNC, which involves the review and selection of the Farvolden Award winner.

Section 5: Division Finances (as of June 30, 2019)

Account Balance: 0\$

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

Section 6: Division Activities in past year (July 1, 2018 to June 30, 2019) (point form)

- 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. Abstracts and papers submitted for Geo St. John's with respect to groundwater and subsurface energy systems were reviewed as well as for the GAC-MAC-IAH conference that was held in Quebec City during May 2019. Several sessions on groundwater and geothermal energy were held during this conference in which the GWD participated.
- A specific goal for the division has been to achieve better liaison and cooperation with IAH/CNC. There were discussions and agreement to meet earlier each year to jointly determine the winner of the Farvolden Award. A meeting was held in March to evaluate the candidature for the Farvolden Award, which was awarded to Jim Hendry. During this meeting, awards were also given to an early career hydrogeologist attributed to Magdalena Krol and for the long-term service attributed to Robert Betcher. Those two awards are given by IAH/CNC but the chair of the GWD is a voting member of the committee determining the winner of the awards, which shows strong collaboration between both associations.

Section 7: Additional information or comments

- The term of the current chair, Jasmin Raymond, ends during December 2020. There is need to start thinking about next candidates to assume this mandate. François Duhaime, professor at ÉTS, would be a good candidate and will be contacted by Jasmin Raymond to verify interest but other candidatures are welcome.

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the Division Representative on the CGS Executive Committee; the CGS National Office or fellow Board members? No

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes

Rock Mechanics Division
Annual Report July 1, 2018 to June 30, 2019

Section 1: General

Date of this report: July 25, 2019

Prepared by: Mohsen Nicksiar

Division Chair: Mohsen Nicksiar

End of Division Chair's Term: 31 December 2019

1) List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during the next year (2019 / 2020)?

- Providing Outcrop Mapping Short Course along with Engineering Geology Division (EGD) for GeoSt.John 2019:
- Collaborating with other professional societies such as CDA, TAC, ISRM, CARMA, etc.
- Collaborating with local CGS groups;
- Preparing an article for Geotechnical E-News
- RMD as part of CARMA sent a letter to support ARMA's nomination of Dr. Laura Pyrak-Nolte as ISRM Vice President for North America (Doug's term ends this year)

Section 2: Current (as of January 1, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, these will be posted on your Division webpage)

Chair: Mohsen Nicksiar (SNC-Lavalin)
Past Chair: Sam Proskin (Thurber Engineering Ltd.)
Vice Chair:
Secretary: Eliane Cabot (Wood Group)
Executive Committee Members:
Charlie Harrison (Knight Piésold Ltd.)
Erik Eberhardt (University of British Columbia)
Brad Forbes (Queens University)
Andre Bom (Golder Associates)
Jin Dong Du (SNC-Lavalin Inc.)
Charles Hunt (McMillen Jacobs Associates)
Li Li (Polytechnique Montreal)
Matthew Perras (York University)

Section 3: Number of Division Members (as of June 30, 2019)

Executive Committee Members:

1st Choice members (can be obtained from Lisa): 95
2nd Choice members (can be obtained from Lisa): 238
Comments (point form)

•

Section 4: Is your Division affiliated with other organizations? (Admin Manual Section 6 and App 10 and 26)

If yes:

National affiliates and name(s) of CGS representative(s)

- CARMA: Mohsen Nicksiar and Sam Proskin (Sam is CARMA new president and at the same time with RMD exec. Committee)

North American affiliates and name(s) of CGS representative(s)

•

International affiliates and name(s) of CGS representative(s)

- ISRM: Doug Stead is VP North America for ISRM and Mohsen Nicksiar (RMD) and Sam Proskin (RMD/CARMA) collaborating with him. RMD and CARMA is collaborating with new VP North America

•

Comments (point form)

•

Section 5: Division Finances (as of June 30, 2019)

Account Balance: N/A\$

Comments (point form)

•

Section 6: Division Activities in past year (July 1, 2018 to June 30, 2019) (point form)

- GeoEdmonton Short Course on Practical Core Logging.
- Selection of Dr. Grasselli as the next Franklin's award winner;
- Planning another initiative to have a short course on rock outcrop mapping in GeoSt.John2019.
- Communicating with CGS about assisting in new version of CFEM.

Section 7: Additional information or comments

•

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the Division Representative on the CGS Executive Committee; the CGS National Office or fellow Board members?

It brought to my attention that the CFEM reviewers/authors have already been decided despite several communication from RMD division for being involved in this process. This definitely has a negative impact on the collaboration between divisions and CFEM. That is so unfortunate to realize this effort was not properly communicated to the Divisions as the technical body of the Canadian Geotechnical Society.

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes / No

Yes.

***Soil Mechanics and Foundations Division
Annual Report July 1, 2018 to June 30, 2019***

Section 1: General

Date of this report: July 31, 2019

Prepared by: Dipanjan Basu, Chair

Division Chair: Dipanjan Basu

End of Division Chair's Term: December 2020

1) List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during the next year (2019 / 2020)?

We are working on maintaining a reasonable number of members of the executive committee.

We are working on maintaining a sustainable succession plan for the executive committee.

We plan to provide articles for Geotechnical News from our committee members.

Section 2: Current (as of January 1, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, these will be posted on your Division webpage)

Chair: Dipanjan Basu, University of Waterloo [dipanjan.basu@uwaterloo.ca]

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

Vice Chair: Mohamed Meguid, McGill University, [mohamed.meguid@mcgill.ca]

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

Other Members:

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

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

Lijun Deng, University of Alberta [ldeng@ualberta.ca]

Cheng Lin, University of Victoria [chenglin918@uvic.ca]

Ashutosh Sutra Dhar, Memorial University of Newfoundland [asdhar@mun.ca]

Section 3: Number of Division Members (as of June 30, 2019)

Executive Committee Members: 9

1st Choice members (can be obtained from Lisa): 662

2nd Choice members (can be obtained from Lisa): 238

Comments (point form)

- We would like to have 1-2 more executive committee members.

Section 4: Is your Division affiliated with other organizations? (Admin Manual Section 6 and App 10 and 26)

If yes:

National affiliates and name(s) of CGS representative(s)

- North American affiliates and name(s) of CGS representative(s)
- International affiliates and name(s) of CGS representative(s) - International Society for Soil Mechanics and Geotechnical Engineering
- Comments (point form)
-

Section 5: Division Finances (as of June 30, 2019)

Account Balance: \$

Comments (point form)

•

Section 6: Division Activities in past year (July 1, 2018 to June 30, 2019) (point form)

- G.G. Meyerhof Award – 2018 award was presented to Dr. Jean-Pierre Tournier. The award was presented at the GeoEdmonton 2018 Conference.
- G.G. Meyerhof Award – 2019 award – the awardee has been selected

Section 7: Additional information or comments (point form)

•

**Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the Division Representative on the CGS Executive Committee; the CGS National Office or fellow Board members?
Are you planning to attend the fall board meeting in St. John's, Sunday September 29? No**

COMMITTEE REPORTS

Education Committee *Annual Report July 1, 2018 to June 30, 2019*

Section 1: General

Date of report: July 29, 2019

Prepared by:

Committee Chair: Tareq Salloum

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

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

It has not changed.

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, 2019 to December 31, 2019).

Supporting the activities of the CGS student chapters.

Section 2: Current (Jan 1, 2019 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities (these will be posted on your CGS Committee webpage)

Chair: Tareq Salloum, Ontario Power Generation Inc.

Past Chair: Jinyuan Liu, Ryerson University

Vice Chair: Vacant

Secretary: Vacant

Administrator Student Competition: Ryley Beddoe, Royal Military College of Canada

Members:

Paul Simms – Chair CFG Fellowship Selection, Carleton University

Sumi Siddiqua, University of British Columbia

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

Ramy Saadeldin, Stantec

Chen Lin, University of Victoria

Adam Sevi, Norwich University

Ryley Beddoe, Royal Military College of Canada

Section 3: Number of Committee Members (as of June 30, 2018)

- Executive Committee Members: 10
- Total members: N/A

Section 4: Is your Committee affiliated with other organizations? Yes/No

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

•

North American affiliates and names of CGS representatives

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

Section 5: Committee Finances (as of June 30, 2018)

Account Balance: \$

Comments (point form)

-
-

Section 6: Committee Activities in past year (July 1, 2018 to June 30, 2019) (point form)

- Canadian Foundation for Geotechnique Graduate Student Award at Master's Level. The terms of reference and scoring criteria have been developed by the members of education committee and it is under review by CFG.

- 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.

- GeoJeopardy

An undergrad student competition during the CGS Conference in Ottawa 2017. The competition is sponsored by Golder Associates.

Section 7: Additional information or comments

-

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the VP Technical, the CGS National Office or fellow Board members?

Heritage Committee
Annual Report July 1, 2018 to June 30, 2019

Section 1: General

Date of report: July 30, 2019

Prepared by: Heinrich Heinz

Committee Chair: Heinrich Heinz

End of Committee Chair's Term: 2019

Comments

- I have asked two committee members if they would be interested in becoming Chair at the end of 2019 and have so far received one negative reply. If we do not manage to find a suitable successor until our meeting at GeoSt.John's, I am prepared to stay as Chair until 2020, and work with VP Rob Kenyon and others to find a new Chair.

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

The purpose of the Heritage Committee is the promotion of awareness of the history of geotechnique in 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, 2018 to June 31, 2019).

- Uploading recently completed projects to the CGS web site (e.g., Canadian Geotechnical Achievements, Women in Canadian Geotechnique, collection of papers on the history of Oil Sands Geotechnique, a VHS tape on the history of the Rideau Canal narrated by the late R.F. Legget and provided to us by the late Gordon McRostie).
- Continuation of the series “Interviews with Canadian Legends” in collaboration with the Education Committee and maintaining the Lives Lived series as-required.
- Starting a new “International” page in the Archives, to include international contributions to the geotechnical field that are directly or indirectly related to Canada. Examples would be a list of Canadians who took post-graduate courses at Harvard under Casagrande, links to pertinent sections of the NGI Terzaghi, Peck and Casagrande libraries, and “memoirs” of non-Canadian geotechnical professionals who influenced geotechnique in Canada, for instance by mentoring or supervising young professionals who later became leaders in Canada.

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities (these will be posted on your CGS Committee webpage)

Chair: Heinrich Heinz, Thurber Engineering Ltd., Calgary
Past Chair: David Cruden, Professor Emeritus, univ. of Alberta
Vice Chair: Jacques Locat, Laval University
Secretary: N/A
Andrea Lougheed, BGC 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
Doug Vandine, Vandine Geological Engineering Ltd., Victoria

Section 3: Number of Committee Members (as of June 30, 2019)

Executive Committee Members: N/A
Total members: 10

Comments

- At GeoEdmonton last year, Peter Wu told us he would consider joining our committee.
- A few individuals collaborate with of the Heritage Committee on an occasional basis and are not listed above. Among these are Mustapha Zergoun (Thurber Engineering), Andrew Corkum, (Dalhousie University), Li Yan (BC Hydro), Richard Gervais (Independent Consultant, Montréal), Melissa Ruel (CN, Montréal), Valérie Fréchette, Hydro Quebec, Jim Graham (University of Manitoba) – Jim stepped down from the Committee on December, 2017 but is available for occasional consultations.
- One of our goals for the upcoming meeting in St. John’s is to discuss ways to attract more members (especially young members) to this Committee.

Section 4: Is your Committee affiliated with other organizations? Yes/No

Yes:

Engineering Institute of Canada – No Representative Named

North American affiliates and name(s) of CGS representative(s)

- (see comments below)

Comments:

- During the past two years Committee Chair Heinrich Heinz has maintained contact with James Withiam, Editor-in-Chief of ASCE's GEOSTRATA Magazine. This informal contact has enabled us to obtain permission to publish some of GeoStrata's content (GeoLegend profiles) on our Virtual Archives. We regard a continued interaction with GeoStrata and the Geoinstitute as very positive due to their interest in history and heritage.
- It would be beneficial to establish a connection with the Institution of Civil Engineers (ICE) in the UK, who have an active group and publish the journal Engineering History and Heritage.

Section 5: Committee Finances (as of June 30, 2019)

Account Balance: N/A

Comments:

- We would like to discuss with Executive Committee, the possibility of assigning a small annual budget to the Heritage Committee. This would allow us, for instance, to pay for items like conversion of old VHS tapes to a format suitable for uploading to the Virtual Archives.

Section 6: Committee Activities in past year (July 1, 2018 to June 30, 2019)

Lives Lived:

- Continued work with various CGS members on preparing memoirs for deceased professionals, and uploading them to our Lives Lived pages.

Canadian Legends

- Recovering and adapting interviews conducted in the 1980s as part of the Canadian Geotechnical Heritage Project and available in the UofA Archives. Two visits were conducted by Heinrich Heinz, and several transcribed interviews and other materials have been recovered.
- New interviews: Dave Cruden was interviewed by committee member Lijun Deng and student Yiwon Zhang and an article was published in GN in June 2019. Fred Matich and Kerry Rowe have been interviewed by GeoStrata, and articles are being prepared. Conducting more interviews is a significant effort, which need coordination with CGS' Education Committee.

Other:

- A summary of the History of the Development of the Canadian Foundation Engineering Manual was completed by Committee member Doug Vandine and uploaded to the Archives.
- A paper on "Landslides in Canada" written by D.A. Nichols and published in the December 1928 issue of "The Canadian Field-Naturalist" was uploaded to the Archives. This may be the first pan-Canadian review of landslides, and includes a bibliography of "most of the important Canadian occurrences" (to 1928), and some photographs. This paper was discovered in the Norwegian Geotechnical Institute's library in 2018 by Committee member Suzanne Lacasse.

Section 7: Additional information or comments

- We have had, in the past three years, a few e-mail discussions on whose memoirs can be uploaded to the Lives Lived section. Upon discussions with past chairs of the Heritage Committee Jim Graham and Doug Vandine, the consensus is that if a CGS member or group of members submits a memoir for a colleague, it should be uploaded upon review by the committee, irrespective of the contributions made by the deceased individual to CGS. With the exception of Ralph Peck's, all current memoirs are for Canadian individuals and the consensus seems to be that we should keep it that way, with memoirs for non-Canadians placed in a new International section (accompanied by a short introduction by Canadian professionals who worked with those individuals).

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the VP Technical, the CGS National Office or fellow Board members?

As noted above, we are trying to carry out the Interviews with Canadian Legends in coordination with CGS's Education Committee. Could the meetings of these two committees at GeoSt.John's be scheduled on separate days, so that a couple of our members can attend the Education Committee meeting?

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes

Geohazards Committee
Annual Report July 1, 2018 to June 30, 2019

Section 1: General

Date of report: 13 August 2019
Prepared by: Dave Gauthier
Committee Chair: Dave Gauthier
End of Committee Chair's Term: 2019

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

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, 2018 to June 31, 2019).

- Make Geohazards conference proceedings widely available and searchable
- Lead an update to the Landslide Technical Guidelines

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities (these will be posted on your CGS Committee webpage)

Chair: Dave Gauthier (BGC)
Past Chair: Mike Porter (BGC)
Vice Chair: Scott McDougall (UBC)
Secretary:

Section 3: Number of Committee Members (as of June 30, 2019)

Executive Committee Members: 2

Total members: 40

Comments (point form)

- Approximately 60 different individuals have attended meetings over the past two years

Section 4: Is your Committee affiliated with other organizations? Yes/No

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 2019 relationships with AEG and IAEG and other learned societies will be strengthened

Section 5: Committee Finances (as of June 30, 2019)

Account Balance: \$?

Comments (point form)

- We understand that we should have funds made available for committee initiatives based on a discussion with VP Finance in Dec 2018, given that we have loaned money to the Foundation and generate revenue every few years through geohazards conferences, which are shared with local sections and the CGS mothership. Looking forward to cementing this arrangement ASAP, prior to a new chair starting 2020.
-

Section 6: Committee Activities in past year (July 1, 2018 to June 30, 2019) (point form)

- Ad hoc subcommittee to sit on the Schuster Medal selection committee and select medal winner
- Supported Quebec proposal to host Geohazards8
- Digitized proceedings of all past geohazards conferences and made these available on the website (Doug Van Dine)
- Publication of landslide guidelines and an associated webinar through ISSMGE in development (Doug Van Dine)

Section 7: Additional information or comments

•

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the VP Technical, the CGS National Office or fellow Board members?

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes / No

YES, hopefully with the next chair. Will advise.

Mining Geotechnique Committee
Annual Report July 1, 2018 to June 30, 2019

Section 1: General

Date of report:	July 26, 2019
Prepared by:	Thomas Pabst
Committee Chair:	Thomas Pabst
End of Committee Chair's Term:	December 31, 2021

- 1) What is the mission statement, or main purpose, of your Committee? Has it changed?
- Organize and coordinate sessions on Mining 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 Mining Geotechnique within the CGS, the geoscience community, and related fields
 - Liaise between CGS and other mining-related national and international organizations
 - Help publicize the importance of Mining Geotechnique to the Canadian public
 - Contribute to efforts that may be beneficial to the Mining Geotechnique community

No changes

- 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, 2019 to June 31, 2020).

- Organize a special session at GeoCalgary to discuss case studies in mining geotechnique that are rarely presented in conferences (along the line “lessons learned”). Case studies focusing on geotechnical risk in mining operations will be selected based on their relevance to the members of the committee (both hard rock and oil sands, from various regions of Canada). Enough time will be allotted to discussions and experience sharing to encourage active participation of attendees. Presenters will be identified during the committee annual meeting in StJohn’s and contacted as soon as possible to secure their attendance to GeoCalgary 2020.
- Publish one article on mining Geotechnique in Geotechnical News.
- Increase the active participation of students to the committee. Possible avenues: appoint a student chair, organize one or two online webinars where students could present and discuss their projects throughout Canada.

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities (these will be posted on your CGS Committee webpage)

Chair: Thomas Pabst, Polytechnique Montreal
 Past Chair: Paul Simms, Carleton University
 Vice Chair: -
 Secretary: Vincent Boulanger Martel, UQAT

Section 3: Number of Committee Members (as of June 30, 2019)

Executive Committee Members: 3
 Total members: 20 (5 professors or researchers, 3 members from industry, 12 students)

Comments (point form)

- The objective is to recruit a vice-chair for the committee (if possible from industry) at StJohn’s during the committee annual meetin.

Section 4: Is your Committee affiliated with other organizations? No

Section 5: Committee Finances (as of June 30, 2019)

Account Balance: \$

Section 6: Committee Activities in past year (July 1, 2018 to June 30, 2019)

- Recap article in Geotechnical News (December 2018): Wilson, G.W., Beier, N., Segó, D., Simms, P., & Bussière. B. (2018). Recap of Mining Geotechnique Initiatives in 2018. Geotechnical News, 36(4): 36-37.
- Bilingual article in Geotechnical News (March 2019): Pabst, T. (2019). 6th Symposium on Mines and the Environment in Rouyn-Noranda, Qc. Geotechnical News, 37(1): 32-34.
- Participation to five sessions on Mining Geotechnique at GeoEdmonton 2018 (including paper reviews).
- Participation of several members to the 22nd International Conference on Tailings and Mine Waste at Keystone, Colorado (October 2018).
- Participation of several members to 6th International Oil Sands Tailings Conference in Edmonton, Alberta (December 2018).
- Paper reviews for Mining Geotechnique Sessions at GeoStJohn’s 2019.

Section 7: Additional information or comments

- The Committee was initially planning to organize a special session at GeoSt.John’s to discuss case studies focusing on geotechnical risk in mining operations. The project was finally delayed until next year (see section 1.2 above).

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the VP Technical, the CGS National Office or fellow Board members?

Are you planning to attend the fall board meeting in St. John’s, Sunday September 29? Yes

**Professional Practice Committee
Annual Report July 1, 2018 to June 30, 2019**

Section 1: General

Date of report: August 8, 2019
Prepared by: James Blatz
Committee Chair: James Blatz
End of Committee Chair's Term: 2019 GeoStJohns

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

Has not been changed from previous.

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, 2018 to June 31, 2019).

1. Prepare sponsored session for GeoSt Johns. Three topics are being considered.
2. Find a new Chair

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities (these will be posted on your CGS Committee webpage)

Chair: James Blatz
Past Chair: Suzanne Powell
Vice Chair: Sean McEoin
Secretary: None
(Add others as necessary)

Section 3: Number of Committee Members (as of June 30, 2019)

Executive Committee Members: 3
Total members: 12
Comments:

Section 4: Is your Committee affiliated with other organizations? NO

Section 5: Committee Finances (as of June 30, 2019)

Account Balance: N/A
Comments (point form): N/A

Section 6: Committee Activities in past year (July 1, 2018 to June 30, 2019)

- Held session at the GeoEdmonton Conference on Diversity in engineering. It was very well attended and had four very accomplished leaders in diversity research and practice that talked about the importance of gender and other diversity elements in the workplace. The session was highly attended, and questions continued for the panelists following the break to coffee.
- Held our annual meeting at the GeoEdmonton conference that was well attended with 7 members and the minutes were circulated at the first phone call following the conference.
- Have identified a Vice-Chair that will take over as chair at the 2019 GeoStJohns conference
- Have planned a session on "Little Red Riding Hood and the Big Bad Wolf" mock court session for GeoStJJohns
- Hold our annual meeting at GeoStJohns

Section 7: Additional information or comments

- GeoStJohns conference organizers have been very accommodating and we look forward to holding our session at the event.

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the VP Technical, the CGS National Office or fellow Board members?

Nothing at this time.

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? YES

***Sustainable Geotechnics Committee
Annual Report July 1, 2018 to June 30, 2019***

Section 1: General

Date of this report: July 26, 2019

Prepared by: Catherine Mulligan

Committee Chair: Catherine Mulligan

End of Chair's Term: Dec. 31, 2020

1) List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during the next year (2019 / 2020)?

- Develop papers as a committee on sustainable geotechnics
- Continue to develop a blog and other content for the web page such as definition of terms
- Recruit new members

Section 2: Current (as of January 1, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities, these will be posted on your Division webpage)

Chair: Catherine Mulligan

Past Chair: Tim Newson

Vice Chair: Dipanjan Basu

Secretary: Ian Fleming

Section 3: Number of Division Members (as of June 30, 2019)

Lukas Arenson (BGC Consultants)

Roger Skirrow (Alberta Transportation)

Sean Hinchberger (Hatch)

Stan Gonsalves (exp)

Tony Sangiuliano (MTO)

Susanne Chan (MTO)

Section 4: Is your Division affiliated with other organizations? (Admin Manual Section 6 and App 10 and 26) No:

Section 5: Division Finances (as of June 30, 2019)

N/A

Section 6: Division Activities in past year (July 1, 2018 to June 30, 2019)

- Liaison with equivalent committees for International Society and ASCE
- Conducted a meeting at the GeoEdmonton and a teleconference committee meeting
- Solicit reviewed articles for next CGS conference in St. John's

- Supported and promoted conference on geoenvironment held at Concordia University (May 30 and 31, 2019).
- Developed a blog and other content for the web page such as definition of terms

Section 7: Additional information or comments

- N/A

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the Division Representative on the CGS Executive Committee; the CGS National Office or fellow Board members?

No

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? Yes

***Transportation Geotechnique Committee
Annual Report July 1, 2018 to June 30, 2019***

Section 1: General

Date of report: 2019-07-26

Prepared by: Don Lewycky

Committee Chair: Don Lewycky

End of Committee Chair's Term: 2020?

1) What is the mission statement, or main purpose, of your Committee? Has it changed? No

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
- Risk management and environmental issues

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, 2019 to June 31, 2020).

- The most important task for 2019/2020 is to find a new chair and vice chair for the TGC. Unfortunately, the current acting chair, Don Lewycky, has been distracted by several personal matters which have prevented him from being as involved with TGC as he would have liked, so this has precluded much action on this task. Don Lewycky has indicated that an e-mail will be sent out soon (early August) to all TGC members to solicit volunteers and

also thoughts on the direction that the TGC should be taking in the coming years. A long-term goal was still expressed by all at the GeoEdmonton meeting to push for the TGC to acquire Division status.

- 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.

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities (these will be posted on your CGS Committee webpage)

Chair: Don Lewycky, Retired
Past Chair: Serge Bourque, Gemtec Consulting Engineers and Scientists
Vice Chair: None
Secretary: Don Lewycky/Amed Mahgoub, Dalhousie University

Section 3: Number of Committee Members (as of June 30, 2019)

Executive Committee Members: 2
Total members: 59
Comments (point form)

Section 4: Is your Committee affiliated with other organizations? Yes

National affiliates and name(s) of CGS representative(s)

Transportation Association of Canada (TAC) – Roger Skirrow

Rail Ground Hazard Research Project (RGHRP) –Tom Edwards, Mario Ruel, Chris Bunce, Roger Skirrow, Tim Keegan, Jean Hutchinson, Melissa Ruel, David Cook

North American affiliates and name(s) of CGS representative(s)

AEG Association of Engineering Geology – Mario Ruel

International affiliates and name(s) of CGS representative(s)

ISSMGE-TC202 Transportation Geotechnics – Mario Ruel

Comments:

Typically the TGC draws a large number of its members from various government and private transportation related organizations. We are finding that the current economic slowdown being experienced across the country has resulted in these organizations cutting back or eliminating entirely, participation at various conferences and organizational committees. In addition, many of the most active members in the past have tended to be the most senior and knowledgeable people at their respective organizations. Many of these people are now retiring out of their active positions and with no new members to replace them, the ability to move forward on many initiatives has become much more difficult.

Section 5: Committee Finances (as of June 30, 2019)

Account Balance: \$0

Comments (point form)

- The Transportation Committee has no saved or allocated finances, similar to all other Committees

Section 6: Committee Activities in past year (July 1, 2018 to June 30, 2019)

- 2018 was a rather disappointing year for the Transportation Geotechnique Committee (TGC). Serge Bourque, the new Committee chair, stepped down from his position in mid 2018 due to personal reasons. Serge attempted to find a replacement for himself, but was unable to find a volunteer before stepping down. No one was named as vice chair at the 2017 TGC Annual Meeting in Ottawa. The Committee secretary, Don Lewycky, retired from active

engineering practice in 2016 was completing his term as secretary at the end of 2018. In addition, his focus was diverted to the planning for GeoEdmonton 2018 which he was co-chair. This left the Committee without a chair for half of 2018, so the Committee did not move forward very much in 2018. At GeoEdmonton 2018 on Tuesday September 25th, the TGC held its annual general meeting with only eight members in attendance, chaired by past committee chair Mario Ruel and outgoing secretary Don Lewycky. The major topic of discussion was the future of the Committee. Amed Mahgoub of Dalhousie University volunteered to take over the reins as the Committee's Secretary, so this left the Committee chair and vice chairs to fill. Lacking any volunteers at the meeting, Mariol Ruel convinced Don Lewycky to take over the chair position in an acting capacity, until such time as a new permanent chair and vice chair could be found. Still, members of the TGC were active in reviewing abstracts and papers at GeoEdmonton. There were two sessions specifically dedicated to Transportation Geotechnique at GeoEdmonton, but there were many other papers with transportation related themes presented at other sessions.

- The name of a possible candidate has been recently suggested (late July 2019) to take over the chair of the TGC. Don Lewycky will contact the candidate to see if he is interested in the position.
- The LOC of GeoStJohns 2019 asked the TGC was for help in reviewing 8 papers submitted to the conference with a transportation theme. Five members of the TGC volunteered to review the submitted papers and provided review comments to the authors' within the allotted review time dictated by the LOC of the GeoStJohns.

Section 7: Additional information or comments

- There are currently 59 people on the TGC email list, which requires updating. Don Lewycky will transfer the current e-mail list to Amed Mahgoub, the new committee secretary, to begin maintaining the list.

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the VP Technical, the CGS National Office or fellow Board members?

Are you planning to attend the fall board meeting in St. John's, Sunday September 29? No

Unfortunately, I will not be attend to attend. Various family commitments preclude my attendance at the St. John's Conference. In all likelihood, the Committee Secretary, Amed Mahgoub will be tasked with representing the TGC, unless a new Chair is identified before the conference.

Membership Committee Annual Report July 1, 2018 to June 30, 2019

Section 1: General

Date of report: August 4, 2019

Prepared by: Membership Committee

Committee Chair: Vacant

End of Committee Chair's Term: December 2020

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

The mandate of the membership committee is to promote the CGS to current and future members, survey geoprofessionals and assess members' expectations, explore and analyze new initiatives, increase interest in volunteering and monitor and increase membership renewal. The chair of the committee reports to the VP Communications and Member Services.

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, 2019 to June 31, 2020).

- Finish the Membership data analysis and survey report and share it with the EC on the August 20 meeting
- It is recommended to pass on information from the Survey report to the communication task force, the young professional representative, and the Section representative.

- Choose a few recommendations from the report and suggest ways to implement them in 2019-2020.
- Propose the motion to the EC and BOD for the automatic renewal of the membership.

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities (these will be posted on your CGS Committee webpage)

Chair: Vacant (interim by Judith Bouchard)

Vincent Castongay (ULaval)

Julie Therrien (MTQ)

Ramy Saadeldin (OPG)

Maraika De Groot (Queens)

Gil Robinson (Dyregrov Robinson Inc)

Observer: Judith Bouchard (Hydro-Quebec, CGS VPCom)

Section 3: Number of Committee Members (as of June 30, 2019)

Executive Committee Members: 5

Section 4: Is your Committee affiliated with other organizations? No

Section 5: Committee Finances (as of June 30, 2019)

Account Balance: \$ N-A

Section 6: Committee Activities in past year (July 1, 2018 to June 30, 2019)

- 2 official meetings: March 12, 2019, May 27, 2019.
- 6 meetings in 2019 to work on the Membership data and survey analysis report.
- Analysis of data membership and survey responses, and writing report (see Appendix for summary)
- Automatic renewal proposal preparation

Section 7: Additional information or comments (point form): None

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the VP Technical, the CGS National Office or fellow Board members? No

Appendix - Member Data and Survey Report – Summary

The Membership Committee (MC) has put forward a two-step strategy to better understand the state and evolution of CGS membership, and to assess our members' expectations and preferences towards the CGS. The first step was to analyze the existing membership data that the CGS has collected through the years. The second step involved the development of an on-line membership survey which was sent to members and non-members at the beginning of 2019 and later analysed. The analysis results will be used to plan the MC's next initiatives to enhance member experience and increase membership.

Positives highlights of the analysis are that the total membership (regular, student and retiree) increased by about 15% since 2008 and that the number of women members has increased from 6% to 15% in 10 years.

Four primary membership issues (A to D) were identified:

A- Possibility of a decrease in membership in the years to come because of three trends: 1) The number of **regular** CGS members has decreased by about 10% since 2014. 2) The average age of CGS members has been increasing since 2008 (if we don't consider students). 3) The number of members in the age group 45-60 has been decreasing significantly since 2008.

Fortunately, the number of student members has greatly increased in the last 10 years (by 343%). The membership data analysis shows that half of the students eventually become regular members, although it may take a few years before they (re)join as regular members.

- B- **Most local sections show a decrease in membership conversion rates over the last two years** (local participants to national CGS members from 2016 to 2018). In some sections, only 20% of local participants are national members.
- C- **Most new members from the CGS National Conference don't renew the following year.** About 35% of the members were consistent CGS members over the 11-year period and around 40% of members were members for less than 5 years over the 11-year period studied.
- D- **CGS members registering for the first time each year has been stable since 2016.**

Based on the feedback the members gave in the survey, particularly on the open questions, **the MC recommends the followings to enhance member experience and increase membership:**

1. Understand & market the value of being a CGS member
2. Promote / encourage volunteering, improve communication and be closer to our members
3. Encourage young professionals to become or stay CGS members
4. Increase conversion of local participants to national CGS members
5. Increase the number of new members.

In 2019, two initiatives are being implemented by the CGS to address recommendations 1 and 3: A communication campaign to inform our members about our initiatives and how the CGS operates, as well as the implementation of Student Chapters across Canada.

OTHER REPORTS

Geotechnical Research Board Annual Report July 1, 2018 to June 30, 2019

Section 1: General

Date of report: July 22

Prepared by: Bruno Bussi re and Greg Siemens

Committee Chair: Bruno Bussi re

End of Committee Chair's Term: 2019

1) What is the mission statement, or main purpose, of your Committee (see below)? Has it changed (No)?

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, 2019 to June 31, 2020).

In the next months, the GRB will be in charge of the following tasks:

- Organization of a special GRB session at the GeoSt.John conference on the New NSERC program (Alliance) to support partnership research. A sub-committee composed of Greg Siemens, Fran ois Duhaime, Paul Simms and Bruno Bussi re is responsible of the session's organization.
- Preparation of our annual meeting with an emphasis on the transition for the new GRB Chair.
- Identification of the next activities/priorities of the GRB for 2020.

These are few additional details concerning the GRB session at GeoSt.John:

- Timing – session of 1.5-2 hours running into Tuesday lunch.
- Size – we expect between 25-50 attendees.
- This is going to be an interactive session with a NSERC representative giving a presentation and members of the audience asking questions.

Section 2: Current (Jan 1 - Dec 31, 2019) Executive Committee Members and their Affiliations (employers or, if students, universities (these will be posted on your CGS Committee webpage)

Chair: Bruno Bussi re

Past Chair: Murray Grabinsky

Vice Chair: Greg Siemens

Secretary: N/A

See table below

Section 3: Number of Committee Members (as of June 30, 2019)

Executive Committee Members: 2 (Chair, vice-Chair)

Total members: 14 (see the table below)

Name	2017	2018	2019	2020	2021	2022
Bruno Bussière, UQAT	Chair	Chair	Chair	Past Chair	Past Chair	Past Chair
Murray Grabinsky, University of Toronto	Past Chair	Past Chair	Past Chair			
Greg A. Siemens, Royal Military College		Vice Chair	Vice Chair	Chair	Chair	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  Second 3-year term

*: these members have accepted to extend the duration of their first mandate to five years to avoid holes in our membership at the end of 2022

Section 4: Is your Committee affiliated with other organizations? Yes/No

No

Section 5: Committee Finances (as of June 30, 2019)

Account Balance: NA

Section 6: Committee Activities in past year (July 1, 2018 to June 30, 2019)

- Annual meeting in Edmonton (25 September 2018)
- Selection of the 2020 Colloquium candidate (February to end of March 2019)
- Participation to the jury of the Gowdzki Medal (Spring 2019)
- Organisation of a session for the GeoSt.John 2019 conference (December 2018 – June 2019)

Section 7: Additional information or comments

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the VP Technical, the CGS National Office or fellow Board members?

No

A detailed report prepared by Canadian Science Publishing's Managing Editor Celia Charron is appended to this report. It provides details of the journal's statistics in 2018.

In summary, during 2018, a total of 888 manuscripts were received (761 were received in 2017), with 187 accepted. The acceptance rate in 2018 was 21% based on the numbers published. This compares to an acceptance rate 27% in 2017. The Thomson Reuters' impact factor (an imperfect measure of journal quality, though one widely used) decreased slightly from 2.565 to 2.437. Elsevier's 2017 SJR (SCImago Journal Rank, a measure of influence and prestige) dropped slightly from 1.813 to 1.753. Of course, these values vary from year to year, and we will maintain our efforts to sustain and improve the journal's high rankings.

A list of current Associate Editors and Editorial Board Members are provided in the Canadian Science Publishing report.

Special thanks to Olivier Buzzi, Ken Gavin, Peijun Guo, Jocelyn Hayley, John Molson, Jin Ooi, Jitendra Sharma, Dwayne Tannant, and Ming Xu as Associate Editors who ended their terms. Their dedication is appreciated. We also thank C.Y. Cheuk (AECOM), A. Giacomini (University of Newcastle), B. Lehane (The University of Western Australia), E.C. Leong (Nanyang Technological University), M. D. Liu (The University of Wollongong), R. Merifield (Douglas Partners Pty Ltd.), and R.N. Taylor (City University London) for their service on the Editorial Board.

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. This is also true for the thousands of anonymous reviewers who 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 geotechnical 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 outgoing Managing Editor, Michael Donaldson, current Managing Editor, Celia Charron, Scientific Publishing Editor, Lesia Beznaczk, and the team of copy editors and other staff at Canada Science Publishing.



Adobe Acrobat
Document

CGS News – Nicholas Beier, Editor
Annual Report July 1, 2018 to June 30, 2019

This is my first annual report as the CGS News Editor since taking up the post on January 1, 2019. I have worked with the previous editor, Don Lewycky, during the latter half of 2018 as I transitioned into this new role. I assisted Don with the December 2018 issue before taking over the reins for the March and June 2019 issues. Archived Geotechnical News materials provided by Don have a permanent home in Geotechnical Centre's library at the University of Alberta. Don and Lisa McJunkin have supported me tremendously as I pulled together my first few articles.

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.

Kevin Biggar has 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. Following Don's lead, I also included expanded citations of the various CGS award winners in the issues of Geotechnical News following the CGS annual conference. Citations were prepared by Lisa for the E-News, which I utilized for the CGS News to communicate why our members were so deserving of their awards. Over the past year, we have also highlighted major accomplishments and awards of our colleagues in the Members in the News section. In an effort to garner interest with young professionals, I have included articles on the upcoming CYGEC in St John's and solicited an article from Maaika DeGroot on the pilot CGS Student Chapters (to appear in the September 2019 issue).

I will continue my initiatives to promote young professionals and opportunities for their involvement with the Society. I look forward to follow up articles detailing the success of the pilot CGS Student Chapters. Continuing with Don's initiative, I encourage Division and Committee chairs to start preparing short pieces for publication in 2019/2020 describing the mandates, goals and initiatives of the various Divisions and Committees. We will have our last CGS news article published with BiTech in December 2019, with future articles published in the new magazine starting March 2020.

My first few articles would not have been successful without the support and patience I received from the CGS Executive and the Board. Thanks to Dharma Wijewickreme and now Mario Ruel for their timely submissions of the President's Message. Lisa McJunkin has been extremely helpful guiding me through this first phase as the CGS News Editor, assisting with the French translations and managing content. I look forward to continuing working with Lisa in the next phase of the magazine. Doug VanDine and Heinrich Heinz have also been very helpful and assisting me with managing and publishing content in the magazine. 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 (at least two months prior to publication date).