

The Canadian Geotechnical Society

La Société canadienne de géotechnique



2016
Annual Report / Rapport annuel
(July 1, 2015 to June 30, 2016)

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CANADIAN GEOTECHNICAL SOCIETY - AWARDS AND HONOURS 2016

R.F. Legget Award Richard J. Bathurst

R.M. Quigley Award Winner Tied
Thomas Mimouni, Lyesse Laloui, "Behaviour of a group of energy piles"
R. Kerry Rowe, A.M.R. Ewais, "Ageing of exposed geomembranes at locations with different climatological conditions"

Honourable Mention: R.W.I. Brachman, A. Rentz, R.K. Rowe, and W.A. Take, "Classification and quantification of downslope erosion from a geosynthetic clay liner (GCL) when covered only by a black geomembrane"

| | | |
|-----------------------------------|----------------------------|--|
| G. Geoffrey Meyerhof Award | <u>Wayne Clifton</u> | Clifton Associates Ltd. |
| Thomas Roy Award | <u>Matthias Jakob</u> | BGC Engineering |
| Roger J. E. Brown Award | <u>Guy Doré</u> | Université Laval |
| John A. Franklin Award | No award 2016 | |
| Geoenvironmental Award | <u>Bruno Bussière</u> | Université du Québec en Abitibi-Témiscamingue (UQAT) |
| Geosynthetics Award | <u>M. Hesham El Naggar</u> | University of Western Ontario |
| Robert N. Farvolden Award | <u>René Lefebvre</u> | INRS - Centre Eau, Terre et Environnement |
| (Joint award with IAH-CNC) | | |
| Robert Schuster Medal | <u>Jean Hutchinson</u> | Queen's University |

Graduate Student Paper Award

1st Prize Muhammad Irfan "Investigation of frequency effects in bender-element testing",
Civil Engineering, University of Waterloo, Drs. G. Cascante & D. Basu

2nd Prize Megan van Veen "Building a Rockfall Database Using Remote Sensing",
Geological Sciences and Geological Engineering, Queen's University, Dr. Jean Hutchinson

Undergraduate Student Report (Individual)

1st Prize Samuel Kaluzny, "Tensile and pullout properties of geotextiles with and without wicking function",
Civil and Environmental Engineering, University of Manitoba, Dr. Marolo Alfaro

2nd Prize **No award 2016**

Undergraduate Student Report (Group)

1st Prize Roxanne Hasior, Michael Kraitman, Jacob Nicklen & Jacob Nikl, "Long Lake Tunnel and Surface Cut Pre-Feasibility Design and Comparison (UBC)", Geological Engineering, University of British Columbia (Vancouver), Susan W. Hollingshead

2nd Prize Brandon Anderson, Jesse Olafson, Patrick Palmer, Colleen Small, "Slope Stability Assessment: Highway 23 Twinning Development (Saskatchewan)", Civil and Geological Engineering, University of Saskatchewan, Dr. Douglas Milne

Canadian Foundation for Geotechnique Michael Bozozuk National Graduate Scholarship

Tom Lardner, Western University

A.G. Stermac Awards

Jean Côté, Professeur, Université Laval
Michel Timmons, (deceased)

CGS R.M. Hardy Keynote Address Harvey McLeod, Klohn Crippen Berger

Canadian Geotechnical Colloquium Jasmin Raymond, Institut national de la recherche scientifique, Centre Eau Terre Environnement (INRS-ETE)

Cross Canada Lecture Tours Antonio Gens (Spring 2016), Ross Boulanger (Fall 2016)

AWARDS FROM ENGINEERING INSTITUTE OF CANADA (EIC)

| | |
|---|-----------------------------|
| <i>CPR Medal</i> | <u>Jean-Pierre Tournier</u> |
| <i>Fellowship of the Institute (FEIC)</i> | <u>Gordon Fenton</u> |
| <i>Fellowship of the Institute (FEIC)</i> | <u>David Woeller</u> |

LA SOCIÉTÉ CANADIENNE DE GÉOTECHNIQUE – PRIX ET DISTINCTIONS 2016

Médaille R.F. Legget Richard J. Bathurst

Prix R.M. Quigley Winner Tied
Thomas Mimouni, Lyesse Laloui, “Behaviour of a group of energy piles”
R. Kerry Rowe, A.M.R. Ewais, “Ageing of exposed geomembranes at locations with different climatological conditions”

Mention honorable R.W.I. Brachman, A. Rentz, R.K. Rowe, W.A. Take, “Classification and quantification of downslope erosion from a geosynthetic clay liner (GCL) when covered only by a black geomembrane”

| | | |
|-------------------------------------|----------------------------|--|
| Prix G. Geoffrey Meyerhof | <u>Wayne Clifton</u> | Clifton Associates Ltd. |
| Prix Thomas Roy | <u>Matthias Jakob</u> | BGC Engineering |
| Prix Roger J.E. Brown | <u>Guy Doré</u> | Université Laval |
| Prix John A. Franklin | Non décerné en 2016 | |
| Prix du géoenvironnement | <u>Bruno Bussière</u> | Université du Québec en Abitibi-Témiscamingue (UQAT) |
| Prix des géosynthétiques | <u>M. Hesham El Naggar</u> | University of Western Ontario |
| Prix Robert N. Farvolden | <u>René Lefebvre</u> | INRS, Centre Eau, Terre et Environnement |
| (Prix conjoint avec AIH-SNC) | | |
| Médaille Robert Schuster | <u>Jean Hutchinson</u> | Queen's University |

Prix de la présentation des étudiants aux cycles supérieurs

1^{er} prix Muhammad Irfan “Investigation of frequency effects in bender-element testing”, Civil Engineering, University of Waterloo, Drs. G. Cascante & D. Basu

2^e prix Megan van Veen “Building a Rockfall Database Using Remote Sensing”, Geological Sciences and Geological Engineering, Queen's University, Dr. Jean Hutchinson

Prix du rapport des étudiants du premier cycle (individuel)

1^{er} prix Samuel Kaluzny, “Tensile and pullout properties of geotextiles with and without wicking function”, Civil and Environmental Engineering, University of Manitoba, Dr. Marolo Alfaro

2^e prix **N'a pas été décerné en 2016**

Prix du rapport des étudiants du premier cycle (Groupe)

1^{er} prix Roxanne Hasiar, Michael Kraitman, Jacob Nicklen, Jacob Nikl, “Long Lake Tunnel and Surface Cut Pre-Feasibility Design and Comparison (UBC)”, Geological Engineering, University of British Columbia (Vancouver), Susan W. Hollingshead

2^e prix Brandon Anderson, Jesse Olafson, Patrick Palmer, Colleen Small, “Slope Stability Assessment: Highway 23 Twinning Development (Saskatchewan)”, Civil and Geological Engineering, University of Saskatchewan, Dr. Douglas Milne

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

Tom Lardner, Western University

Prix A.G. Stermac

Jean Côté, Professeur, Université Laval
Michel Timmons, (décédé)

Allocution R.M. Hardy Keynote Address Harvey McLeod, Klohn Crippen Berger

Colloquium canadien de géotechnique Jasmin Raymond, Institut national de la recherche scientifique, Centre Eau Terre Environnement (INRS-ETE)

Tournée de conférences pancanadiennes Dr. Antonio Gens (printemps 2016), Ross Boulanger (automne 2016)

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

| | |
|------------------------|-----------------------------|
| <i>La Médaille CPR</i> | <u>Jean-Pierre Tournier</u> |
| <i>Fellow de L'ICI</i> | <u>Gordon Fenton</u> |
| <i>Fellow de L'ICI</i> | <u>David Woeller</u> |



CANADIAN GEOTECHNICAL SOCIETY SOCIÉTÉ CANADIENNE DE GÉOTECHNIQUE

2016 BOARD OF DIRECTORS, COMMITTEE CHAIRS, OTHER POSITIONS AND HEADQUARTERS **MEMBRES DU CONSEIL D'ADMINISTRATION ET DU PERSONNEL DU SIÈGE SOCIAL, PRÉSIDENTS DES** **COMITÉS ET PERSONNES OCCUPANT D'AUTRES POSTES EN 2016**

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

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

BOARD OF DIRECTORS **CONSEIL D'ADMINISTRATION** **Executive Committee / Comité exécutif**

President / Président 2016

Doug VanDine, P.Eng./P.Geo.

VanDine Geological Engineering Limited
267 Wildwood Ave
Victoria BC V8S 3W2
Tel: 250 598 1028
President@cgs.ca

Vice President Technical 2016

Vice-président technique

Angela Küpper, P.Eng.

BGC Engineering Inc
Suite 200, 8204 – 104 Street NW
Edmonton AB T6E 4E6
Tel: 780 466 0538 Ext 51121
AKupper@bgcengineering.ca

Vice President Financial 2016

Vice-président aux finances

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

Vice President Communications 2016

Vice-président aux Communications

Catherine Mulligan, ing.

Dept. of Building, Civil and Environmental Engineering
Concordia University
1455 de Maisonneuve Blvd W, Ev 6-187
Montreal QC H3G 1M8
Tel: 514 848 2424 Ext. 4212
catherine.mulligan@concordia.ca

Young Professional Representative 2016

Représentante des jeunes professionnels

Ariane Locat, ing. jr

Dép. de génie civil et de génie des eaux
Université Laval
1065 av. de la Médecine
Québec QC G1V 0A6
Tél : 418 656-2992
ariane.locat@gci.ulaval.ca

Technical Division Representative 2016

Représentant des divisions techniques

Richard Brachman, P.Eng.

Dept. of Civil Engineering
Queen's University
Kingston ON K7L 3N6
Tel: 613 533 3096
brachman@queensu.ca

Section Representative 2016

Représentant des sections

Seán Mac Eoin, P.Eng.

AECOM
18817 Stony Plain Road NW
Edmonton, AB, T5S 0C2
Tel: 780 930 0032
sean.maceoin@aecom.com

Division Chairs **Présidents des divisions**

Cold Regions Geotechnology 2016

Géotechnologie des régions froides

Baolin Wang, P.Eng.

Geological Survey of Canada
Natural Resources Canada
601 Booth St
Ottawa ON K1A 0E8
Tel: 613 992 8323
bwang@nrcan.gc.ca

Engineering Geology 2018

Géologie de l'ingénieur

Nicholas Vlachopoulos, P.Eng.

Civil Engineering Dept.
Royal Military College of Canada
Kingston ON K7K 7B4
Tel: 613 541 6000, Ext 6398
vlachopoulos-n@rmc.ca

| | | | |
|---|------|--|------|
| Geoenvironmental Géologie de l'environnement Craig Lake, P.Eng. Dept. of Civil Engineering Dalhousie University 1360 Barrington St Halifax NS B3J 1Z1 Tel: 902 494 3220 craig.lake@dal.ca | 2017 | Vancouver Island Geotechnical Group Chris Weech, P.Eng. Thurber Engineering Ltd. 100-4396 West Saanich Rd. Victoria, BC V8Z 3E9 Tel: 250-727-2201 cweech@thurber.ca | 2018 |
| Geosynthetics Géosynthétiques Richard Brachman, P.Eng. Dept. of Civil Engineering Queen's University Kingston ON K7L 3N6 Tel: 613 533 3096 brachman@queensu.ca | 2016 | Prince George Geotechnical Group Dave McDougall, P.Eng. GeoNorth Engineering Ltd. 3975 18th Avenue Prince George BC V2N 1B2 Tel: 250 564-4304 d.mcdougall@geonorth.ca | 2016 |
| Groundwater Eaux souterraines Frank Magdich, P.Eng. Oak Environmental Inc. 103, 4712 - 13th Street NE Calgary AB T2E 6P1 Tel: 403 250 9810 frank@oakenviro.com | 2017 | Interior BC Geotechnical Group Sumi Siddiqua, P.Eng. School of Engineering University of British Columbia, Okanagan Campus 1137 Alumni Ave Kelowna BC V1V 1V7 Tel: 250 807 9863 sumi.siddiqua@ubc.ca | 2016 |
| Rock Mechanics Mécanique des roches Sam Proskin, P.Eng. Thurber Engineering Ltd. 180, 7330 Fisher Street SE Calgary AB T2H 2H8 Tel: 403 253 9217x134 sproskin@thurber.ca | 2017 | Geotechnical Society of Edmonton Seán Mac Eoin, P.Eng. AECOM 18817 Stony Plain Road NW Edmonton AB T5S 0C2 Tel: 780 930 0032 sean.maceoin@aecom.com | 2016 |
| Soil Mechanics and Foundations Mécanique des sols et des fondations Alex Baumgard, P.Eng./P.Geo. BGC Engineering Inc. 500 - 980 Howe St Vancouver BC V6Z 0C8 Tel: 604 684 5900 abaumgard@bgcengineering.ca | 2016 | Calgary Geotechnical Group Scott McKean, P.Eng. M.Sc. Candidate Department of Civil Engineering University of Calgary Tel: 403 519 0563 scott.mckean@ucalgary.ca | 2017 |
| Section Directors Directeurs des sections | | Regina Geotechnical Group Harpreet Panesar, P.Eng. Technical Standards Branch Ministry of Highways and Infrastructure 240 Henderson Dr Regina SK S4N 5P7 Tel: 306 798 5296 Harpreet.Panesar@gov.sk.ca | 2016 |
| Vancouver Geotechnical Society Jason Pellett, P.Eng./GIT Tetra Tech EBA Inc. Suite 1000, 10 th Floor 885 Dunsmuir St Vancouver BC V6C 1N5 Tel: 778 945 5841 Jason.Pellett@tetrattech.com | 2016 | Saskatoon Geotechnical Group Erik P. Ketilson, P.Eng. SRK Consulting (Canada) Inc. Suite 205, 2100 Airport Dr Saskatoon SK S7L 6M6 Tel: 306 955 4778 eketilson@srk.com | 2016 |

| | | | |
|---|------|--|------|
| <p><i>Winnipeg Section</i></p> <p>Kendall Thiessen, P.Eng. City of Winnipeg 15-30 Fort St, Winnipeg MB R3C 4X5 Tel: 204 986 5159 kthiessen@winnipeg.ca</p> | 2016 | <p><i>Section régionale Ouest-du-Québec</i></p> <p>Yannic Ethier, ing. École de technologie supérieure 1100, rue Notre-Dame Ouest Montréal QC H3C 1K3 Tel : 514 396 8460 yannic.ethier@etsmtl.ca</p> | 2017 |
| <p><i>Ottawa Geotechnical Group</i></p> <p>Mohammad T. Rayhani, P.Eng. Civil & Environmental Engineering Carleton University, Minto 2035 Ottawa Ontario K1S 5B6 Tel: 613 520 2600 X 8890 MohammadRayhani@cunet.carleton.ca</p> | 2018 | <p><i>Section régionale Est-du-Québec</i></p> <p>Ariane Locat, ing. jr Dép. de génie civil et de génie des eaux Université Laval 1065 av. de la Médecine Québec QC G1V 0A6 Tél : 418 656-2992 ariane.locat@gci.ulaval.ca</p> | 2018 |
| <p><i>Thunder Bay Regional Geotechnical Group</i></p> <p>Wesley Saunders, P. Eng Consultants GKM inc. 351 Hartviksen Street Thunder Bay ON P7A 3M5 Tél: 807 629 8762 wsaunders@gkmconsultants.com</p> | 2018 | <p><i>Nova Scotia Section</i></p> <p>James S. Mitchell, P.Eng. Stantec Consulting Ltd. 102 - 40 Highfield Park Dr Dartmouth NS B3A 0A3 Tel: 902 468 0421 James.Mitchell@stantec.com</p> | 2016 |
| <p><i>Kingston Section</i></p> <p>Dylan Hill, P.Eng. DBA Engineering Ltd. 1164 Clyde Court Kingston, ON K7P 2E4 Tel: 613 389 1781 dhill@dbaeng.com</p> | 2018 | <p><i>New Brunswick Section</i></p> <p>Benjamin McGuigan, P.Eng. GEMTEC Limited 191 Doak Rd Fredericton NB E3C 2E6 Tel: 506 453 1025 benjamin.mcguigan@gemtec.ca</p> | 2017 |
| <p><i>Toronto Group</i></p> <p>Andrew Drevininkas, P.Eng. Toronto Transit Commission 1138 Bathurst St Toronto ON M5R 3H2 Tel: 416 393 4681 andrew.drevininkas@ttc.ca</p> | 2017 | <p><i>St John's. NL Chapter</i></p> <p>Sylvia Dooley, P.Eng. C-CORE Capt. Robert A. Bartlett Bldg., Morrissey Rd St John's NL A1C 3X1 Tel: 709 864 2636 sylvia.dooley@c-core.ca</p> | 2017 |
| <p><i>London and District CSCE-CGS</i></p> <p>Andrew Stewart, EIT Englobe (Formerly LVM, a division of EnGlobe Corp) 60 Meg Drive, Suite 12 London ON N6E 3T6 Tel : 519 685 6400 andrew.stewart@englobecorp.com</p> | 2017 | <p>Ex Officio Members Membres d'office President-Elect, Président-Elu 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</p> | 2016 |
| <p><i>Sudbury Chapter</i></p> <p>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</p> | 2018 | | |

Geotechnical Research Board
Président, Conseil de la recherche
en géotechnique

Murray Grabinsky, P.Eng.

Dept. of Civil Engineering
University of Toronto
35 St George St
Toronto ON M5S 1A4
Tel: 416 978 7130
murray.grabinsky@utoronto.ca

Editor Canadian Geotechnical Journal
Le directeur de la rédaction de la Revue
canadienne de géotechnique

From April 1st, 2007 / Depuis le 1er avril 2007

Ian Moore, P.Eng.

Dept. of Civil Engineering
Queen's University
Kingston ON K7L 3N6
Tel: 613 533 3160
moore@civil.queensu.ca

Editor, CGS News in Geotechnical News
Le directeur de la rédaction des Nouvelles
de la SCG

Donald Lewycky, P.Eng.

Engineering Services
City of Edmonton
11004 - 190 St NW
Edmonton AB T5S 0G9
Tel: 780 496 6773
don.lewycky@edmonton.ca

Representative of CSCE on CGS Board June 2017
Représentant de la SCGC sur le Conseil de la SCG

Tony Bégin, P.Eng.

president@csce.ca

2016

Heritage Committee
Comité sur le patrimoine
David Cruden

University of Alberta
301, 11640-79 Avenue NW
Edmonton, T6G 0P7
Tel: 780 439 3254
dcruden@ualberta.ca

2017

Geohazards Committee
Comité sur les géorisques
Michael Porter, P.Eng.

BGC Engineering Inc.
500 - 980 Howe St
Vancouver BC V6Z 0C8
Tel: 604 629 3847
MPorter@bgcengineering.ca

2016

Professional Practice Committee
Comité sur la pratique professionnelle
Suzanne Powell, P.Eng.

Thurber Engineering Ltd.
100 - 4396 West Saanich Rd
Victoria BC V8Z 3E9
Tel: 250 727 2201
spowell@thurber.ca

2017

Mining Geotechnique Committee
Comité technique sur la géotechnique minière
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

2017

Sustainable Geotechnics Committee
Comité sur la géotechnique durable
Tim Newson

Dept. of Civil Engineering
University of Western Ontario
Lampton Dr
London ON N6A 5B9
Tel: 519 661 3344
tnewson@eng.uwo.ca

2017

Transportation Geotechnique Committee
Comité sur la géotechnique des transports
Mario Ruel, P.Eng.

CN Engineering
Taschereau Yard, M Tour, 1st Floor
8050, boul. Cavendish,
Montréal, QC H4T 1T1
Tel: 514 734 2304
Mario.ruel@cn.ca

2018

END OF DIRECTOR'S LIST
FIN DE LA LISTE DES ADMINISTRATEURS

CHAIRS OF TECHNICAL COMMITTEES
PRÉSIDENTS COMITÉS TECHNIQUES

Education Committee
Comité sur l'éducation

Jinyuan Liu, P.Eng.

Department of Civil Engineering
Ryerson University
350 Victoria St
Toronto ON M5B 2K3
Tel: 416 979 5000 Ext 646
jinyuan.liu@ryerson.ca

2016

CGS HEADQUARTERS SIÈGE SOCIAL DE LA SCG

Executive Director / Directeur général

Michel Aubertin, ing.

8828 Pigott Road
Richmond BC V7A 2C4

Tel: 604 277 7527

Toll Free: 1 800 710 9867

ExecDir@cgs.ca ; DirGen@cgs.ca

Administrator / Administrateur

Gibson Group Management Inc

Wayne Gibson, P.Eng.

8828 Pigott Road
Richmond BC V7A 2C4

Tel: 604 277 7527; Fax: 604 277 7529

Toll Free: 1 800 710 9867

cgs@cgs.ca

Lisa McJunkin

8828 Pigott Road
Richmond BC V7A 2C4

Tel: 604 277 7527; Fax: 604 277 7529

Toll Free: 1 800 710 9867

admin@cgs.ca

CFEM Editor

Le directeur de la rédaction de le MCIF

Richard Bathurst, P.Eng.

Civil Engineering Dept.
Royal Military College of Canada
Kingston ON K7K 7B4

Tel: 613 541 6000 Ext 6479

bathurst-r@rmc.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)

Doug VanDine, P.Eng./P.Geo.

VanDine Geological Engineering Limited

267 Wildwood Ave

Victoria BC V8S 3W2

Tel: 250 598 1028

President@cgs.ca

Representative to CFES Council

Représentant sur le Conseil de la FCST

Nicholas Vlachopoulos, P.Eng.

Civil Engineering Dept.

Royal Military College of Canada

Kingston ON K7K 7B4

Tel: 613 541 6000, Ext 6398

vlachopoulos-n@rmc.ca

Representative to CSCE Board:

Représentante sur le Conseil de la SCGC

Catherine Mulligan, ing.

Dept. of Building, Civil and Environmental Engineering

Concordia University

1455 de Maisonneuve Blvd W, Ev 6-187

Montreal QC H3G 1M8

Tel: 514 848 2424 Ext 4212

catherine.mulligan@concordia.ca

President's Annual Report – Doug VanDine
July 1, 2015 to June 30, 2016

I am pleased to submit the second of my two Presidential annual reports. At the end of this year, Dr. Dharma Wijewickreme will assume the duties as CGS President, and he and his administration will take over the affairs of the Society. I know your Society will be in good hands.

Among other things, in the past 12 months:

- The very successful 68th CGS Annual Conference (GéoQuébec 2015) was held jointly with the 7th Canadian Permafrost Conference in Quebec City, QC. The conference chair, **Jean Côté**, and his local organizing committee are to be commended for their hard work and the excellent results. The conference included the presentation of the annual CGS awards, keynote lectures and certificates of appreciation. Among these: **Jacques Locat** was awarded the 2015 Legget Medal, the Society's most prestigious award; **Jean-Marie Konrad** presented the R.M. Hardy Keynote Lecture; **Greg Siemens** presented the Colloquium; **Amy Rentz** presented the Graduate Student Presentation; and **Gordon McRostie** was presented with the first-ever CGS Honorary Life Membership (all recipients are listed elsewhere in this Annual Report).
- Work is continuing by the respective local organizing committees on the CGS's 5th Canadian Young Geotechnical Engineer and Geoscientist Conference (in late September in Whistler, BC, **Julian McGreevy** and **Maraika DeGroot**, co-Chairs, with the assistance of the Young Professional Representative, **Ariane Locat**), 69th CGS Annual Conference (GeoVancouver 2016 in early October, **Mustapha Zergoun** and **Andrea Loughheed** co-Chairs)
- Work is also continuing on the and the 70th CGS Annual Conference (GeoOttawa 2017 in early October, **Mamadou Fall**, Chair), and Memorandums of Understanding have been signed for the 71st CGS Annual Conference (GeoEdmonton 2018, **Don Lewycky** and **Sean Mac Eoin** co-Chairs), and for GeoHazards 7 (Canmore, AB, 2018, **Mike Porter**, Chair). Initial planning is underway for the 72nd CGS Annual Conference in 2019.
- **Gordon Fenton**, Dalhousie University, Halifax, NS, presented the 96th Cross Canada Lecture Tour in the fall of 2015, and **Antonio Gens**, University of Barcelona, Spain, presented the 97th CCLT in the spring of 2016. The 98th CCLT will be presented by **Ross Boulanger**, University of California, Davis, this fall. VP Technical **Angel Küpper** is finalizing the lecturers for 2017.
- CGS member nominations for the Engineering Institute of Canada awards and fellowships were submitted. I am pleased to report that **Jean-Pierre Tournier** was awarded the CP Rail Medal, and **Gordon Fenton** and **David Woeller** were inducted as Fellows of the EIC.
- With the assistance of **Lisa McJunkin** (CGS Headquarters), a full complement of 2016 CGS awardees was selected, including the 2016 Legget Medalist. They will be presented in October at GeoVancouver 2016. In addition, for the first time, two "Best Paper" awards, selected by the GeoVancouver 2016 Technical Committee, will be presented.
- The CGS Geotechnical Research Board selected **Michael Hendry** to present the 2017 Colloquium at GeoOttawa 2017; **Jasmin Raymond**, selected last year, will present the 2016 Colloquium in September at GeoVancouver 2016.
- Work on the next edition (this time an online edition) of the *Canadian Foundation Engineering Manual* continued under the direction of VP Technical **Angela Küpper** with **Richard Bathurst** being appointed as Editor and **Dennis Becker** chairing the Advisory Panel.
- The Annual Performance Report for the National Research Council was prepared by **Murray Grabinsky** (Chair, CGS Geotechnical Research Board) with the assistance of **Michel Aubertin** (CGS Executive Director) and **Lisa McJunkin** (CGS Headquarters), submitted and published online. The NRC is now using this CGS report as an example of a model report.
- Four issues of CGS News were published in BiTech's *Geotechnical News* under the editorship of **Don Lewycky**. An agreement was reached with BiTech to continue its association with the Society for the next three years, and **Don Lewycky** has agreed to stay on as Editor of CGS News for that period.
- Ten issues of the (almost) monthly e-Newsletter, *CGS Geotechnical Info Net (CGS-GIN)*, were issued under the editorship of VP Communications **Catherine Mulligan** and **Wayne Gibson** (CGS Headquarters).

- Twelve issues of the *Canadian Geotechnical Journal* were published by the Canadian Science Press under the co-Editorship of **Ian Moore** and **Daichao Sheng**. For 2015, according to the 'Thomson Reuters' impact factor', the *CGJ* is now ranked 2nd in international geotechnical journals.
- Under the direction of **Lisa McJunkin** (CGS Headquarters) the CGS launched its Facebook and LinkedIn sites.
- With the assistance of VP Communications **Catherine Mulligan** and **Wayne Gibson** (CGS Headquarters), members of the Board of Directors were surveyed as to what they thought a new CGS website should look like and contain. The first ever full membership survey was carried out to learn more about CGS members and what they thought of, and wanted from, the Society.
- With the assistance of the entire Executive Committee, work has started on updating the CGS website; some of the modifications should appear by the end of the year.
- VP Finance **Dharma Wijewickreme** and **Wayne Gibson** (CGS Headquarters) have continued to manage the CGS finances and have reviewed and reinvigorated the CGS investments. They report that the Society is in excellent finance shape.
- Local Section Representative **Seán Mac Eoin** continues to encourage activities in the Local Sections. Most of the 20 Local Sections are active and approximately 100 technical events were organized and hosted by the Local Sections.
- The Executive Committee met six times, two of those being face-to-face meetings. The Board of Directors met once in Quebec City, QC. Among other things, a Young Professional Representative, **Ariane Locat**, was officially appointed to the Executive Committee at the Board meeting.
- Under the direction of **Michel Aubertin** (CGS Executive Director), the CGS Awards and Honours Manual was revised and updated. Work is starting on revising and updating the CGS Administration Manual and the CGS Conference Manual.
- Also under the direction of **Michel Aubertin** (CGS Executive Director), the roles and responsibilities of CGS Headquarters staff, **Michel Aubertin**, **Wayne Gibson** and **Lisa McJunkin** were better defined. **Wayne Gibson** is now the Director of Administration and Finance, and **Lisa McJunkin** is now the Director of Communications and Member Services, both reporting to the Executive Director.
- The CGS continues to be the Canadian representative for the International Association of Engineering Geology, International Geosynthetic Society, International Rock Mechanics Society, the International Society of Soil Mechanics and Geotechnical Engineering, and the International Permafrost Association. As such, the CGS appoints members to the respective technical committees of those organizations. Currently **Doug Stead** is VP North America for the ISRM, and the next VP North America for the ISSMGE will also be a CGS member.
- To provide and improve communication and cooperation between various organizations, the CGS signed affiliation agreements with the Association of GeoHazard Professionals, the Canadian National Committee for the International Permafrost Association, the Canadian Rock Mechanics Association, the Canadian Society for Civil Engineering, the International Association of Hydrogeologists-Canadian National Chapter, and the Tunnelling Association of Canada. A few other affiliation agreements are currently pending.
- VP Communications **Catherine Mulligan** represented the CGS at meetings of the Canadian Society for Civil Engineers; **Nicholas Vlachopoulos** at meetings of the Canadian Federation of Earth Science; and myself at meetings of the Engineering Institute of Canada. **Michel Aubertin** (CGS Executive Director) represented the CGS at a meeting of the GeoCoalition, a coalition of seven US-based geotechnical organizations. **Murray Fredlund** represented the CGS at the ISSMGE 2015 Pan-Am Conference in Argentina. I represented the CGS at the ASCE-GI's 2016 Conference in Phoenix, AZ and at the 17th Nordic Geotechnical Conference in Iceland.
- The CGS is non-financially involved in co-sponsoring the following conferences: GeoChicago 2016, GeoFrontiers 2017 (Orlando, FL), Engineering Solutions for Sustainability: Material and Resources (ESS:MR III) Symposium and Workshop (Denver, CO, 2017); 3rd North American Symposium on Landslides (Roanoke, VA, 2017), 2nd International Workshop in Sensitive Clays, (Norway, 2017), the 3rd Performance-Based Design Conference (Vancouver, BC 2017), and Resources for Future Generations (Vancouver, BC, 2018). See the CGS web site for information on these events.

As you can see your Society has been very busy, as usual. This is only made possible by the time and effort made by your 2015-2016 Executive Committee, the CGS Headquarters staff, and the many volunteers (note all the names in bold

in the above) associated with the Local Sections, Technical Divisions, Standing Committees, the CGS News and the Geotechnical Research Board (listed elsewhere in this Annual Report).

I would like to extend my sincerest appreciation to all CGS members who participate and who have helped move the CGS forward both last year and this year. I would specifically like to single out the CGS Headquarters staff, **Michel Aubertin**, **Wayne Gibson** and **Lisa McJunkin**. Without them, the CGS would not be able to function.

Doug VanDine, CGS President 2015-2016

Rapport annuel du président – Doug VanDine
1^{er} juillet 2015 au 30 juin 2016

Je suis heureux de soumettre le deuxième de mes deux rapports présidentiels annuels. À la fin de l'année, le Dr Dharma Wijewickreme assumera les fonctions de président de la SCG, et son administration et lui s'occuperont des affaires de la Société. Je sais que votre Société sera entre bonnes mains.

Entre autres choses, au cours des 12 derniers mois :

- La 68^e conférence annuelle de la SCG (GéoQuébec 2015), très réussie, a été tenue conjointement avec la 7^e conférence canadienne sur le pergélisol dans la ville de Québec, au Québec. Le président de la conférence, **Jean Côté**, et son comité organisateur local méritent nos éloges pour leur travail dévoué et leurs excellents résultats. La conférence incluait notamment la présentation des prix annuels de la SCG, des conférenciers invités et la remise de certificats d'appréciation. Entre autres : **Jacques Locat** a reçu la Médaille Legget 2015, le prix le plus prestigieux de la Société; **Jean-Marie Konrad** a présenté la conférence d'ouverture R.M. Hardy; **Greg Siemens** a présenté le Colloquium; **Amy Rentz** a donné la présentation de la gagnante du Prix de l'étudiant gradué; et **Gordon McRostie** s'est vu présenter le tout premier titre de membre honoraire à vie de la SCG (tous les lauréats sont nommés plus loin dans ce rapport annuel).
- Les comités organisateurs locaux respectifs de la 5^e Conférence canadienne des jeunes géotechniciens et géoscientifiques de la SCG (qui se tiendra à la fin septembre à Whistler, en C.-B.; **Julian McGreevy** et **Maraika DeGroot**, coprésidents, avec l'aide de la représentante des jeunes professionnels, **Ariane Locat**) et de la 69^e conférence annuelle de la SCG (GéoVancouver 2016 au début octobre; **Mustapha Zergoun** et **Andrea Loughheed**, coprésidents) poursuivent leur travail.
- Le travail continue également pour l'organisation de la 70^e conférence annuelle de la SCG (GéoOttawa 2017, au début octobre; **Mamadou Fall**, président), et des protocoles d'entente ont été signés pour la 71^e conférence annuelle de la SCG (GeoEdmonton 2018, **Don Lewycky** et **Seán Mac Eoin**, coprésidents) et pour Géorisques 7 (à Canmore, en Alberta, en 2018; **Mike Porter**, président). La planification initiale est en cours pour la 72^e conférence annuelle de la SCG en 2019.
- **Gordon Fenton**, de l'Université Dalhousie, à Halifax, en N.-É., a présenté la 96^e Tournée de conférences transcanadienne (TCT) à l'automne 2015, et **Antonio Gens**, de l'Université de Barcelone, en Espagne, a présenté la 97^e TCT au printemps 2016. La 98^e TCT sera présentée par **Ross Boulanger**, de l'Université de Californie, campus Davis, cet automne. La vice-présidente technique **Angela Küpper** finalise le choix des conférenciers pour 2017.
- Les candidatures de membres de la SCG pour les prix et les titres de Fellow de l'Institut canadien des ingénieurs (ICI) ont été soumises à l'automne 2015. Je suis heureux de signaler que **Jean-Pierre Tournier** a reçu la Médaille CP Rail, et que **Gordon Fenton** et **David Woeller** ont été nommés Fellow de l'ICI.
- Avec l'aide de **Lisa McJunkin** (siège social de la SCG), tous les lauréats d'un prix de la SCG pour 2016 ont été sélectionnés, y compris celui de la Médaille Legget 2016. Ils seront présentés en octobre, lors de la conférence GéoVancouver 2016. De plus, pour la première fois, deux prix du « Meilleur article », dont les gagnants ont été sélectionnés par le Comité technique de GéoVancouver 2016, seront présentés.

- Le Conseil de recherche en géotechnique de la SCG a sélectionné **Michael Hendry** pour présenter le Colloquium 2017 à GéoOttawa 2017, et **Jasmin Raymond**, qui a été choisi l'année dernière, présentera le Colloquium 2016 en octobre, dans le cadre de la conférence GéoVancouver 2016.
- Le travail sur la prochaine édition (à paraître en ligne) du *Manuel canadien d'ingénierie des fondations* s'est poursuivi sous la direction de la v.-p. technique **Angela Küpper**; **Richard Bathurst** en a été nommé le rédacteur et que **Dennis Becker** dirige le comité consultatif.
- L'Évaluation annuelle du rendement pour le Comité national de recherche (CNR) a été préparée par **Murray Grabinsky** (président, Conseil de recherche en géotechnique de la SCG) avec l'aide de **Michel Aubertin** (directeur général de la SCG) et de **Lisa McJunkin** (siège social de la SCG) et a été soumise et publiée en ligne. Le CNR utilise maintenant le rapport de la SCG comme un exemple de modèle de rapport.
- Quatre numéros de CGS News ont été publiés dans *Geotechnical News* de BiTech, sous la rédaction de **Don Lewycky**. Une entente a été conclue avec BiTech pour continuer notre association pour les trois prochaines années, et **Don Lewycky** a accepté de rester à titre de rédacteur de CGS News pendant cette période.
- Dix numéros du bulletin d'information électronique (quasi) mensuel, le *Réseau d'information géotechnique de la SCG* (RIG-SCG), ont été publiés sous la rédaction de la v.-p. aux communications **Catherine Mulligan** et de **Wayne Gibson** (siège social de la SCG).
- Douze numéros de la *Revue canadienne de géotechnique* ont été publiés par la Canadian Science Press, sous la corédaction de **Ian Moore** et de **Daichao Sheng**. Pour 2015, selon le facteur d'impact « Thomson Reuter », la RCG est maintenant classée deuxième au chapitre des revues internationales de géotechnique.
- Sous la direction de **Lisa McJunkin** (siège social de la SCG), la SCG a lancé ses pages Facebook et LinkedIn.
- Avec l'aide de la v.-p. aux communications **Catherine Mulligan** et de **Wayne Gibson** (siège social de la SCG), les membres du Conseil d'administration ont été sondés sur l'apparence et le contenu du nouveau site Web de la SCG. Le tout premier sondage des membres a été mené pour en apprendre davantage sur les membres de la SCG et ce qu'ils pensaient de la Société et désiraient qu'elle leur apporte.
- Avec l'aide du Comité exécutif, l'actualisation du site Web de la SCG a débuté; certaines des modifications devraient apparaître d'ici la fin de l'année.
- Le v.-p. aux finances **Dharma Wijewickreme** et **Wayne Gibson** (siège social de la SCG) ont continué à gérer les finances de la SCG et ont revu les placements de la SCG. Ils signalent que la Société est dans une excellente situation financière.
- Le représentant des sections locales **Seán Mac Eoin** continue à encourager la tenue d'activités dans les sections locales. La plupart des 20 sections locales sont actives et environ 100 événements techniques ont été organisés et présentés par celles-ci.
- Les membres du Comité exécutif se sont rencontrés six fois durant l'année; deux de ces réunions se sont déroulées en personne. Les membres du Conseil d'administration se sont rencontrés une fois dans la ville de Québec, au Québec. Entre autres décisions, une représentante des jeunes professionnels, **Ariane Locat**, a été nommée officiellement sur le Comité exécutif à la réunion du Conseil.
- Sous la direction de **Michel Aubertin** (directeur général de la SCG), le *Manuel sur les prix et distinctions de la SCG* a été révisé et actualisé. La révision et l'actualisation du *Manuel de l'administration de la SCG* et du *Manuel des conférences de la SCG* débutent.
- Également sous la direction de **Michel Aubertin** (directeur général de la SCG), les rôles et responsabilités des membres du personnel du siège social de la SCG, **Michel Aubertin**, **Wayne Gibson** et **Lisa McJunkin**, ont été redéfinis. **Wayne Gibson** est maintenant le directeur de l'administration et des finances, et **Lisa McJunkin** est maintenant la directrice des communications et des services aux membres; tous deux relèvent du directeur général.
- La SCG continue à être la représentante canadienne pour l'International Association of Engineering Geology, l'International Geosynthetic Society, l'International Rock Mechanics Society (ISRM), la Société internationale de mécanique des sols et de la géotechnique (SIMSG) et l'International Permafrost Association. La SCG nomme des membres sur les comités techniques respectifs de ces organisations. Actuellement, **Doug Stead** est le v.-p. pour l'Amérique du Nord de l'ISRM, et le prochain v.-p. pour l'Amérique du Nord de la SIMSG sera également un membre de la SCG.

- Pour communiquer et coopérer avec différentes organisations et améliorer cette communication et cette coopération, la SCG a signé des ententes d'affiliation avec l'Association of GeoHazard Professionals, le Comité national canadien de l'International Permafrost Association, l'Association canadienne de mécanique des roches, la Société canadienne de génie civil, la Section nationale canadienne de l'Association internationale des hydrogéologues et l'Association canadienne des tunnels. Quelques autres ententes d'affiliation sont en cours de négociation.
- La v.-p. aux communications **Catherine Mulligan** a représenté la SCG à des réunions de la Société canadienne de génie civil; **Nicholas Vlachopoulos**, à des réunions de la Fédération canadienne des sciences de la Terre; et moi-même, à des réunions de l'Institut canadien des ingénieurs. **Michel Aubertin** (directeur général de la SCG) a représenté la SCG à une réunion de la GeoCoalition, une coalition de sept organisations géotechniques américaines. **Murray Fredlund** a représenté la SCG à la conférence panaméricaine 2015 de la SIMSG, en Argentine. J'ai représenté la SCG à la conférence 2016 de l'ASCE-GI, à Phoenix, en Arizona et à la 17th Nordic Geotechnical Conference, en Islande.
- La SCG participe de manière non financière à la cocommandite des conférences suivantes : GeoChicago 2016, GeoFrontiers 2017 (Orlando, Floride), Engineering Solutions for Sustainability: Material and Resources (ESS:MR III) Symposium and Workshop (Denver, Colorado, 2017); 3rd North American Symposium on Landslides (Roanoke, Virginie, 2017), 2nd International Workshop in Sensitive Clays, (Norvège, 2017), 3rd Performance-Based Design Conference (Vancouver, C.-B., 2017), et Resources for Future Generations (Vancouver, C.-B., 2018). Consultez le site Web de la SCG pour de l'information sur ces événements.

Comme vous pouvez le constater, la Société a été, comme d'habitude, très occupée. Cela n'est possible que grâce au temps et aux efforts consacrés par les membres de votre Comité exécutif 2015-2016 ainsi que par le personnel du siège social de la SCG et les nombreux bénévoles (veuillez noter tous les noms en gras susmentionnés) associés aux sections locales, aux divisions techniques, aux comités techniques, à CGS News et au Conseil de recherche en géotechnique (identifiés dans ce rapport annuel).

J'aimerais adresser mes plus sincères remerciements à tous les membres de la SCG qui participent et qui ont aidé à faire progresser la SCG au cours de l'année dernière et cette année. J'aimerais particulièrement souligner la contribution du personnel du siège social de la SCG, **Michel Aubertin**, **Wayne Gibson** et **Lisa McJunkin**. Sans eux, la SCG ne serait pas en mesure de fonctionner.

Doug VanDine, président de la SCG 2015-2016

CGS Sponsored, Co-Sponsored and Supported Conferences

The 68th Canadian Geotechnical Conference (GeoQuebec 2015) was held from in September 2015 and was well attended. CGS Members organised and chaired several sessions at the XI International Conference on Permafrost (ICOP 2016), Potsdam, Germany, June 20-24, 2016. Plans are well underway for GeoVancouver 2016 and GeoOttawa 2017 (the 70th CGC). The 2018 CGC will be in Edmonton. In November 2015, the XV Pan American Conference on Soil Mechanics and Geotechnical Engineering was held in Buenos Aires, Argentina. The 19th International Conference in Soil Mechanics and Foundation Engineering will be held in Seoul, Korea. Canada submitted 22 abstracts and had all of them accepted.

Cross Canada Lecture Tour (CCLT)

The CCLT continues to be a corner stone of the society since 1965. It has been a very successful program that has become internationally known and respected. The Fall 2015 CCLT speaker was Dr. Gordon Fenton from Dalhousie University. The Spring 2016 CCLT speaker was Dr. Antonio Gens from University of Barcelona in Spain. The Fall 2016 CCLT will be Dr. Ross Boulanger from University of California, Davis. The travel for these tours is funded by the Canadian Foundation for Geotechnique and the generous support of the industry, which is greatly appreciated. Also appreciated is the considerable amount of time devoted to the tours by each speaker.

Canadian Geotechnical Journal (CGJ)

The CGJ continues to flourish under the solid guidance of Editors Dr. Ian Moore and Dr. Daichao Sheng and 36 Associate Editors from (16 Canadians and 20 members from 11 other countries). A new initiative was the appointment of 33 additional board members to act as reviewers, rather than associate editors. During 2015, a total of 629 manuscripts were received, with 188 published (an acceptance rate of 30%). The Thomson Reuters' impact factor (an imperfect but widely used measure of journal quality) increased from 1.332 to 1.877, and ranking based on Impact Factor puts us one place behind Geotechnique (Impact factor of 2.0) and three places ahead of the ASCE Journal of Geotechnical and Geoenvironmental Engineering (Impact Factor of 1.696). We are very proud of the CGJ and thank the Editors, the Associate Editors and the Paper Reviewers for an outstanding job.

CGS Standing Committees

There are currently seven standing technical committees.

- The Education Committee chaired by Jinyuan Liu continues to do a great job running the CGS Undergraduate and Graduate Student Competitions and administering the Michael Bozozuk Canadian Foundation for Geotechnique National Graduate Scholarship. Our appreciation is extended to the members of the selection committees for these programs. The committee has also successfully supported the organization of the 5th Canadian Young Geotechnical Engineers and Geoscientists Conference (5th cYGEHC). The Education Committee has also supported GeoJeopardy and social events for the young geotechnical professionals during GeoQuebec 2015.
- The Heritage Committee, chaired by David Cruden has been active on a number of fronts. Jim Graham's "Lives Lived" (see CGS Heritage webpage) continues to grow having 38 memoirs. Other material to be added to the webpage include: illustrations on the early works of oil sands development (Fred Matich), foreword by Karl Terzaghi and introduction by Robert F. Legget to the first issue of the Canadian Geotechnical Journal (Ian Moore), short articles of historical nature on geomechanics and numerical analysis in Canada (Mahdi Taiebat), photographs and documents about the rock falls in Quebec City in the 19th Century (Jacques Locat), links on the CGS website for Canadian projects in the Norwegian Geotechnical Institute database (Suzanne Lacasse), "Saskatchewan Geotechnical Pioneers" (Harpreet Panesar), history of the Montreal Section of CGS (Richard Gervais). David Cruden announced the publication by the Edmonton Geological Society of the book "John Allan: The Founding of Alberta's Energy Industries" by Willem Langenberg and Dave Cruden. Selected images from the book will be added to the CGS Heritage web page.
- The Landslide Committee has been renamed the Geohazards Committee to better reflect a new broader scope to support of Canadian professionals working in this area. The committee chair Mike Porter and his team are active

organizing the 7th Canadian Geohazards Conference, to be held in June 2018 in Canmore, AB. The committee is working with the CGS Calgary Division supported by seed funding from the CGS. The Chair of the Geohazard Committee, in collaboration with the Chair of the Engineering Geology Division (Nicholas Vlachopoulos) and Chair of the Transportation Division (Mario Ruel) worked with AEG members to award the 2016 Schuster Medal. The Geohazard Committee wrote a letter of support to CGS to provide \$5,000 financial support to the Geological Survey of Canada to publish the Canadian Technical Guidelines on Landslides. A final draft of the guidelines was reviewed by Committee members in February 2016. The Committee also held discussions with AEG on the 3rd North American Symposium on Landslides (NASL) to be held June 4-8, 2017 in Virginia. Committee members Scott McDougall and Dave Cruden have been participating in a joint IAEG Commission C37- Landslide Nomenclature.

- The Mining Geotechnique Committee, chaired by Paul Simms has participated in conferences and has played a role helped review the papers for GeoVancouver. The committee held discussions with GeoVancouver regarding special session possibilities to co-ordinate with theme of Hardy Lecture (Mount Polley failure) and the organization of a student-industry networking event.
- The Professional Practice Committee, chaired by Suzanne Powell, has organized 2 specialty session at GeoQuebec – one on awarding and management of public contracts in the construction industry and one on learning from experience to improve delivery and profitability. The Professional Practice Committee has reviewed and provided comments to APEGBC on the draft document Professional Practice Guidelines for Site Characterization for Dam Foundations in BC.
- The Sustainable Geotechnique Committee is chaired by Tim Newson, held meeting of two sub-committees (Appropriate Technologies for Developing Countries & Literature Survey of Sustainability Systems in Civil Engineering. It has also liaised with equivalent committees for International Society and ASCE, and local societies.
- The Transportation Geotechnique Committee, chaired by Mario Ruel, continues to work with the Soils and Materials Standing Committee of the Transportation Association of Canada (TAC SMSC) for the development of standards, guidelines or specifications document. (to be discussed in upcoming committee webex conferences). The Committee is represented at the US Transportation Research Board (held in Washington January every year), at the GeoRail International conference in Paris every 3 years and at the PWI -Permanent Way Institution (UK).

We take this opportunity to express our appreciation to the Committee Chairs and the 80+ additional committee members for their valuable contributions.

Canadian Geotechnical Research Board (GRB)

The GRB is chaired by Murray Grabinsky. Bruno Bussiere was nominated as the GRB Chair starting in the fall of 2016. The CGS Colloquium speaker for GeoQuebec 2015 was Greg Siemens of the Royal Military College in Kingston. The GeoVancouver 2016 Colloquium speaker will be by Jasmin Raymond of INRS. The 2017 Colloquium was selected by the GRB and will be announced at GeoVancouver 2016.

Canadian Foundation Engineering Manual (CFEM)

Work on the 5th Edition of the Canadian Foundation Engineering Manual (CFEM5) is underway. This new initiative will involve each chapter being updated individually, in order of priority, and delivered in electronic format both in English and in French. The Advisory Committee (Dennis Becker -Chair, Daryl DeMerchant, Jean Lafleur, Francois Duhaime, Ernest Naesgaard, John Westland, the Vice President Technical and the Chair of the Soil Mechanics Division - ex-officio) and the Editor (Richard Bathurst) have held 5 meetings during the reporting period (August 2015, September 2015, January 2016, March 2016, June 2016). The Advisory Committee and the Editor are in the process of listing and prioritizing the CFEM5 chapters selecting Lead Authors, Co-authors and Reviewers of each chapter. Some of the potential Lead Authors have already been contacted.

Conférences commanditées, cocommanditées et subventionnées par la SCG

La 68^e conférence canadienne de géotechnique (CCG) a eu lieu à Québec en septembre 2015, avec un niveau de participation élevé. Des membres de la SCG ont organisé et présidé plusieurs sessions dans le cadre de la 11th International Conference on Permafrost (ICOP 2016) à Potsdam, en Allemagne, du 20 au 24 juin 2016. La planification de GéoVancouver 2016 et de GéoOttawa 2017 (la 70^e CCG) va bon train. La CCG 2018 se déroulera à Edmonton. En novembre 2015, la XV Pan American Conference on Soil Mechanics and Geotechnical Engineering a eu lieu à Buenos Aires, en Argentine. La 19th International Conference in Soil Mechanics and Foundation Engineering aura lieu à Séoul, en Corée, en 2017. Le Canada a soumis 22 résumés (tous acceptés).

Tournée de conférences transcanadienne (TCT)

La TCT continue d'être une pierre angulaire de la Société depuis ses débuts en 1965, et il s'agit d'un programme très réussi qui est reconnu et respecté à l'échelle internationale. Le conférencier de la TCT de l'automne 2015 était le Dr Gordon Fenton de l'Université Dalhousie. Le conférencier de la TCT du printemps 2016 était le Dr Antonio Gens de l'Université technique de Catalogne, en Espagne. Le présentateur de la TCT de l'automne 2016 sera le Dr Ross Boulanger du campus Davis de l'Université de Californie. Les frais de déplacement pour ces tournées sont financés par la Fondation canadienne de géotechnique et l'appui généreux de l'industrie, ce qui est très apprécié. Le temps consacré aux tournées par chaque conférencier est également apprécié.

Revue canadienne de géotechnique (RCG)

La RCG continues à prospérer sous la direction solide des rédacteurs, le Dr Ian Moore et le Dr Daichao Sheng, et de 36 rédacteurs adjoints (16 Canadiens et 20 membres de 11 autres pays). Une nouvelle initiative a consisté à nommer 33 autres membres du conseil pour assumer les fonctions de réviseurs. En 2015, un total de 629 manuscrits ont été reçus et 188 ont été publiés, soit un taux d'acceptation de 30 %. Le facteur d'impact de la RCG (un indicateur de la qualité des revues de Thomson Reuters qui est imparfait mais largement utilisé) a augmenté de 1,332 à 1,877, et le classement basé sur ce facteur nous place derrière *Géotechnique* (facteur d'impact de 2,0) et trois rangs devant le *Journal of Geotechnical and Geoenvironmental Engineering* de l'ASCE (facteur d'impact de 1,696). Nous sommes très fiers de la RCG et remercions les rédacteurs, les rédacteurs adjoints et les réviseurs pour un travail extraordinaire.

Comités techniques de la SCG

Il y a actuellement sept comités techniques.

- Le Comité sur l'éducation, dirigé par Jinyuan Liu, continue à bien gérer les concours de la SCG pour les étudiants gradués et de premier cycle et la Bourse nationale pour études supérieures Michael Bozozuk de la Fondation canadienne de géotechnique. Nous remercions les membres des comités de sélection de ces programmes. Le Comité a également soutenu avec succès l'organisation de la 5^e Conférence canadienne des jeunes géotechniciens et géoscientifiques (5^e cYGEHC). Le Comité sur l'éducation a aussi appuyé le concours GeoParly et des événements sociaux pour les jeunes professionnels en géotechnique durant GéoQuébec 2015.
- Le Comité sur le patrimoine, dirigé par David Cruden, a été actif dans de nombreux dossiers. La section « Lives Lived (Récits de vie) » de Jim Graham (voir la page Web du Comité sur le patrimoine de la SCG) continue à croître et compte 38 mémoires. Les autres documents qui seront ajoutés à la page Web comprennent : des illustrations sur les premiers travaux d'exploitation des sables bitumineux (Fred Matich); l'avant-propos de Karl Terzaghi et l'introduction de Robert F. Legget du premier numéro de la *Revue canadienne de géotechnique* (Ian Moore); de courts articles de nature historique sur la géomécanique et l'analyse numérique au Canada (Mahdi Taiebat); des photographies et des documents sur les éboulements qui sont survenus dans la ville de Québec au 19^e siècle (Jacques Locat); des liens vers les projets canadiens dans la base de données du Norwegian Geotechnical Institute (Suzanne Lacasse); « Pionniers de la géotechnique en Saskatchewan » (Harpreet Panesar); et l'histoire de la section de Montréal de la SCG (Richard Gervais). David Cruden a annoncé que la Société géotechnique d'Edmonton a publié le livre *John Allan: The Founding of Alberta's Energy Industries* de Willem Langenberg et Dave Cruden. Certaines images du livre seront ajoutées à la page Web du Comité sur le patrimoine de la SCG.
- Le Comité sur les glissements de terrain a été renommé le Comité sur les géorisques pour mieux refléter une portée plus large pour soutenir les professionnels canadiens travaillant dans ce domaine. Le directeur du Comité Mike Porter et son équipe organisent activement la 7^e conférence canadienne sur les géorisques qui aura lieu en juin 2018 à Canmore, en Alberta. Le Comité collabore avec la section de Calgary de la SCG, qui est soutenue financièrement par la SCG. Le directeur du Comité sur les géorisques, en collaboration avec ceux de la Division

de la géologie de l'ingénieur (Nicholas Vlachopoulos) et du Comité sur la géotechnique des transports (Mario Ruel), a travaillé avec des membres de l'AEG pour remettre la Médaille Schuster 2016. Le Comité sur les géorisques a écrit une lettre de soutien à la SCG pour offrir un soutien financier de 5 000 \$ à la Commission géologique du Canada pour publier les *Canadian Technical Guidelines on Landslides*. Une version définitive de ce document a été examinée par les membres du Comité en février 2016. Le Comité a également eu des discussions avec l'AEG sur le 3rd North American Symposium on Landslides (NASL) qui aura lieu du 4 au 8 juin 2017, en Virginie. Les membres du Comité Scott McDougall et Dave Cruden participent à la commission C37 de l'IAEG, Landslide Nomenclature.

- Le Comité sur la géotechnique minière, dirigé par Paul Simms, a participé à des conférences et à l'examen des articles pour GéoVancouver. Des discussions ont eu lieu avec le comité organisateur de GéoVancouver en ce qui concerne les possibilités de sessions spéciales coordonnées avec le thème de la conférence Hardy (rupture à la mine Mount Polley) et l'organisation d'un événement de réseautage entre des étudiants et l'industrie.
- Le Comité sur les pratiques professionnelles, dirigé par Suzanne Powell, a organisé deux sessions spécialisées lors de la conférence GéoQuébec, l'une sur l'octroi et la gestion de contrats publics dans l'industrie de la construction et l'autre sur les leçons tirées de l'expérience pour améliorer l'exécution et la rentabilité. Le Comité a révisé et fourni des commentaires sur l'ébauche du guide *Professional Practice Guidelines for Site Characterization for Dam Foundations in BC* et les a transmis à l'APEGBC.
- Le Comité sur la géotechnique durable, dirigé par Tim Newson, a tenu une réunion entre deux sous-comités : Technologies appropriées pour les pays en développement et Étude documentaire des systèmes de durabilité en génie civil. Il a également assuré la liaison avec des comités équivalents pour la SIMSG et l'ASCE ainsi que des sociétés locales.
- Le Comité sur la géotechnique des transports, dirigé par Mario Ruel, continue à travailler avec le Comité permanent des sols et des matériaux de l'Association des transports du Canada pour l'élaboration d'un document de normalisation, de directives ou de spécifications. Il est représenté sur le US Transportation Research Board (qui a lieu à Washington en janvier, chaque année), à la conférence internationale GeoRail à Paris, tous les trois ans et à la PWI – Permanent Way Institution (R.-U.).

Nous saisissons cette occasion pour exprimer notre reconnaissance aux directeurs des comités ainsi qu'aux quelque 80 autres membres qui participent aux comités pour leur précieuse contribution.

Conseil canadien de recherche en géotechnique (CCRG)

Le CCRG est présidé par Murray Grabinsky. Bruno Bussière a été nommé nouveau président du CCRG, et son mandat commence à l'automne 2016. Le conférencier du Colloquium de la SCG pour GéoQuébec 2015 était Greg Siemens du Collège militaire royal de Kingston. Le conférencier du Colloquium de GéoVancouver 2016 sera Jasmin Raymond de l'INRS-ETE. Le conférencier du Colloquium 2017 a été sélectionné par le CCRG et sera annoncé lors de GéoVancouver 2016.

Manuel canadien d'ingénierie des fondations (MCIF)

Le travail sur la prochaine édition du *Manuel canadien d'ingénierie des fondations* (MCIF) est en cours. Cette nouvelle initiative consiste à actualiser chaque chapitre, en ordre de priorité, qui sera présenté en format électronique en anglais et en français. Les membres du comité consultatif (Dennis Becker – directeur, Daryl DeMerchant, Jean Lafleur, François Duhaime, Ernest Naesgaard, John Westland, la v.-p. technique et le directeur de la Division de la mécanique des sols – membre d'office) et le rédacteur (Richard Bathurst) se sont rencontrés à cinq reprises pendant la période couverte par le présent rapport (août 2015, septembre 2015, janvier 2016, mars 2016 et juin 2016). Ils sont en train de répertorier et de prioriser les chapitres du *Manuel* et de sélectionner les auteurs principaux, les coauteurs et les réviseurs de chaque chapitre. Certains des auteurs principaux potentiels ont déjà été contactés.

Vice-President Finance Annual Report – Dharma Wijewickreme
January 1, 2015 to June 30, 2016

General

This financial report summarizes the society's revenues and expenses for FY 2015 (Jan 1, 2015 to Dec 31, 2015), and revenues and expenses for FY 2016 from Jan 1, 2016 to June 30, 2016). The financial balance sheet as of June 30, 2016 is also attached.

CGS ended 2015 on a positive financial note with modest revenue over expenses of \$1.8K compared to the original budgeted loss of \$22K. The Society continues to be in excellent financial health with total assets at December 31, 2015 of \$900.5K, comprised of \$331.4K in cash and restricted funds, \$224.4K in investments, \$280K in loans to the Canadian Foundation for Geotechnique and various CGS-sponsored conferences, and \$64.7K in accounts receivable.

2015 Financial Report

Summary of Revenue and Expenses to December 31, 2015 are tabulated below, and they are in agreement with the audited financial statements provided by the auditors Johnsen Archer LLC. For comparison, 2014 actuals are provided.

Summary of Revenue and Expenses to December 31, 2015

| | 2014 Actual (Audited) | 2015 | |
|--------------------|-----------------------------|-------------|-------------------------------------|
| | | Budget 2015 | Actual (Audited) to Dec 31, 2015 |
| | Revenue (x \$1,000) | | |
| Membership Dues | 265.7 | 260.0 | 260.8 |
| Publications | 59.7 | 55.0 | 42.7 |
| Conferences | 45.9 | 22.0 | 61.6 |
| Sponsorships | 9.0 | 9.0 | 12.5 |
| Miscellaneous | 4.8 | 5.0 | 4.9 |
| TOTAL REVENUES | 385.1 | 351.0 | 382.5 |
| | Expenses (x \$1,000) | | |
| Int'l. Memberships | 33.7 | 35.0 | 29.6 |
| Conferences/CCLT | 7.4 | 8.0 | 11.6 |
| Publications | 124.4 | 110.0 | 116.3 |
| Staff Fees | 148.8 | 150.0 | 152.8 |
| Operations | 41.5 | 50.0 | 57.7 |
| Miscellaneous | 0.0 | 20.0 | 12.7 |
| TOTAL EXPENSES | 355.8 | 373.0 | 380.7 |
| | | | |
| REV MINUS EXP | 29.3 | -22.0 | +1.8 |

Notes to Accompany Summary of Revenue and Expenses for 2015

Revenue

Again, the main sources of CGS revenue in 2015 were membership fees, publication income [mostly from the English *Canadian Foundation Engineering Manual* (CFEM) and the French *Manuel canadien d'ingénierie des fondations* (MCIF)] and conferences.

Membership Dues: Budget estimate of \$260K was achieved.

Membership Dec 31, 2015: 1,388 composed of 1,123 Regular, 172 Student, 67 Retired, 19 CSCE 2nd society, 4 IAH-CNC 2nd society and 3 NAGS 2nd society. The decrease of just over 100 members from 2014 is attributable to the non-renewal of 2014 complimentary student memberships.

Membership History: 2014 – 1,493; 2013 – 1,254; 2012 – 1,214; 2011 - 1,168; 2010 - 1,203; 2009 - 1,208; 2008 -1,202.

Publications: A decrease of \$12.3K from budget. This was expected as CFEM4 and MCIF4 sales continue to decline as members await the next edition.

Conferences: An increase of \$39.6K from budget as described below.

GeoQuebec 2015: Very successful conference. \$53K was received in 2015 by CGS National from net conference proceeds.

GeoRegina 2014: Although \$30K was recorded as estimated 2014 conference income in 2014, the final amount due to CGS National was \$33.6K so \$3.6K was realized as 2015 income.

GeoHalifax 2009: The Halifax Section realized in 2015 the existence of a dormant GeoHalifax 2009 account. This was subsequently closed and \$5,000 was returned to CGS National.

Sponsorships: An increase of \$3.5K from budget.

Miscellaneous: Includes investment income plus revenue from the EIC Career Site. A slight decrease from budget.

Expenses

International Memberships: A decrease of \$5.4K from budget (and a \$4.1K decrease from 2014). This was attributable to changes in the first Division choices selected by CGS members, along with a decrease of optional international society memberships.

Conferences: Includes student subsidy expenses and net Legget Dinner costs. In 2015, net CCLT expenses were moved to this category from the “Operations” line item, therefore, comparison to the budget line item is not meaningful. Expenses increased \$4.2K compared to 2014, due to increased Legget Dinner costs in Quebec compared to Regina, combined with increased CCLT speaker expenses in 2015.

Publications: An increase of \$6.3K from budget. Includes *Geotechnical News*, online and print subscriptions to the *Canadian Geotechnical Journal*, and the *Canadian Foundation Engineering Manual* (English and French versions). Publication expenses decreased \$8.1K from 2014.

Staff Fees: A slight increase \$2.8K from budget.

Operations: An increase of \$7.7K from budget. The Increase was primarily attributable to higher translation, travel, website and Quebec taxes of \$2.3K, \$6.3K, \$4.2K and \$3.5K, respectively, over 2014 amounts.

Miscellaneous (initiatives): A decrease of \$7.3K from budget. Programs included \$2.1K for CGS coasters distributed at GeoQuebec 2015, \$8.4K for service pin mail-out/printing costs and staff time, and \$1.4K for contract work on the CGS website revitalization.

Summary Balance Sheet as of December 31, 2015

| | | x 1000's |
|---------------------------------------|-----------------------------|-----------------|
| Assets | Cash (Chequing) | 290.2 |
| | Restricted Funds | 41.2 |
| | Investments (Savings) | 224.4 |
| | Accounts Receivable | 64.7 |
| | Loans Outstanding | 280.0 |
| TOTAL ASSETS | | 900.5 |
| | | |
| Liabilities | Accounts Payable | 32.0 |
| | GST/HST Payable | 1.0 |
| | Accrued Liabilities | 9.0 |
| | Deferred Revenue | 66.8 |
| TOTAL LIABILITIES | | 108.8 |
| Equity | Retained Earnings to 2014 | 748.8 |
| | Restricted Funds | 41.2 |
| | Revenues Less Expenses 2015 | 1.7 |
| TOTAL EQUITY | | 791.7 |
| TOTAL LIABILITIES & EQUITY | | 900.5 |

2016 Financial Update to June 30, 2016

Revenue and expenses to June 30, 2016 are summarized below, along with projections to December 31, 2016. For comparison, 2015 actuals and the 2016 budgeted amounts are provided. Revenues to date (including prepaid revenues received in 2015 for 2016 membership) are \$266K compared to \$289.7K for the same period in 2015. Expenses to date are \$216.3K, compared to \$172.8K for the same period in 2015.

Revenue and expenses to June 30, 2016

| | 2015 Actual (Audited) | 2016 | | |
|--------------------|-----------------------------|--------|---------------------|-------------------------------|
| | | Budget | to June 30, 2016 | Projection to Dec 31, 2016 |
| | Revenue (x \$1,000) | | | |
| Membership Dues | 260.8 | 260.0 | 239.9 | 260.0 |
| Publications | 42.7 | 50.0 | 14.7 | 30.0 |
| Conferences | 61.6 | 25.0 | 0 | 35.0 |
| Sponsorships | 12.5 | 11.0 | 8.0 | 12.5 |
| Miscellaneous | 4.9 | 5.0 | 3.4 | 5.0 |
| TOTALS REVENUE | 382.5 | 351.0 | 266.0 | 342.5 |
| | Expenses (x \$1,000) | | | |
| Int'l. Memberships | 29.6 | 35.0 | 12.7 | 30.0 |
| Conferences/CCLT | 11.6 | 8.0 | 6.0 | 8.0 |
| Publications | 116.3 | 110.0 | 69.1 | 110.0 |
| Staff Fees | 152.8 | 157.0 | 80.4 | 157.0 |

| | | | | |
|-----------------------|--------------|--------------|--------------|--------------|
| Operations | 57.7 | 60.0 | 33.1 | 60.0 |
| New Initiatives | | 20.0 | 9.5 | 20.0 |
| Miscellaneous | 12.7 | 5.0 | 5.5 | 5.5 |
| TOTAL EXPENSES | 380.7 | 395.0 | 216.3 | 390.5 |

| | | | | |
|----------------------|------------|--------------|-------------|--------------|
| REV MINUS EXP | 1.8 | -44.0 | 49.7 | -48.0 |
|----------------------|------------|--------------|-------------|--------------|

Notes to Accompany Summary of Revenue and Expenses to June 30, 2016

Revenue

Membership Dues: Revenue decreased by \$7.8K than in the same period in 2015. Revenues from 2nd society memberships (CSCE, IAH-CNC, NAGS,) are typically collected in Q3 (the 3rd quarter). This income, plus the regular membership revenue still to come in during Q3, should be sufficient to reach the budgeted \$260K.

Publications: Revenue decreased \$14.6K compared to the same period in 2015. As a result, the projected year-end revenue has been reduced by \$20K to \$30K.

Conferences: Conference income for GeoVancouver will not be realized until the end of 2016.

Sponsorships: 2016 Corporate Sponsor revenue was \$8K. Confirmed revenue of \$4.5K will be received in Q3.

Miscellaneous: Includes \$3.4K in interest and EIC Career Site income.

Expenses

International Memberships: \$12.7K was paid to various international societies for memberships purchased, or included in Division selection, by CGS members. The remainder is typically expended in Q3.

Conferences/CCLT: Conference expenses are usually incurred in Q4. The current expenditure of \$6.0K reflects CCLT expenses to date, the majority of which will be reimbursed by the Canadian Foundation for Geotechnique in Q4.

Publications: Includes payments to NRC Research Press for online access to the *Canadian Geotechnical Journal* for all members, and print copies for those members who paid extra, and payments to BiTech Publishers for *Geotechnical News*. Expenses decreased \$7.9K from the same period in 2015, primarily due to a reduction in CFEM sales commissions.

Staff Fees: \$80.4K is 51.2% of the budget, and so is tracking well.

Operations: \$33.1K is 55.2% of the budget, compared with \$20.4K in the same period in 2015. The major differences are Quebec tax of \$2.7K and audit fees of \$9K that had not been expended in the same period in 2015.

New Initiatives: \$9.5K was attributable to the website renewal project.

Miscellaneous: \$5.5K included \$5K for the Geological Survey of Canada editing project and a \$0.5K subsidy for the CGS Thunder Bay Section.

Summary Balance Sheet as of June 30, 2016

| | | x 1000's |
|---------------------------------------|-----------------------------|-----------------|
| Assets | Cash (Chequing) | 135.7 |
| | Restricted Funds | 40.1 |
| | Investments (Savings) | 366.4 |
| | Accounts Receivable | 58.8 |
| | Loans Outstanding | 260.0 |
| TOTAL ASSETS | | 861.0 |
| Liabilities | Accounts Payable | 13.5 |
| | GST/HST Payable | -2.9 |
| | Accrued Liabilities | 9.0 |
| TOTAL LIABILITIES | | 19.6 |
| Equity | Retained Earnings to 2015 | 751.6 |
| | Restricted Funds | 40.1 |
| | Revenues Less Expenses 2016 | 49.7 |
| TOTAL EQUITY | | 841.4 |
| TOTAL LIABILITIES & EQUITY | | 861.0 |

Notes to Accompany the Balance Sheet as of June 30, 2016

Assets

Cash (Chequing and Savings): TD Canada Trust (chequing \$135.7K)

Restricted Funds: Cold Regions Division (\$13.8); Engineering Geology Division (\$8.8); Education Committee (\$17.5K)

Investments: Tangerine (Business Savings \$251.3K); RBC (Investment Savings \$115.1K)

Accounts Receivable: GeoQuebec 2015 proceeds, IAH-CNC 2016 member fees, EIC Career Site income

Loans Outstanding: Canadian Foundation for Geotechnique (\$235K) at 0%; GeoVancouver 2016 (\$20K) at 0%; 5th CYGEGC (\$5K) at 0%

Liabilities

Accounts Payable: GGMI and Johnsen Archer (CGS Auditor) June invoices

Accrued Liabilities: Annual Audit Charges (2016)

Equities

Restricted Funds: Cold Regions Division (\$13.8); Engineering Geology Division (\$8.8); Education Committee (\$17.5K)

Vice-président aux finances – Dharma Wijewickreme
Rapport financier - du 1^{er} janvier 2015 au 30 juin 2016

Généralités

Ce rapport financier résume les revenus et les dépenses de la Société pour l'exercice 2015 (du 1^{er} janvier au 31 décembre 2015), ainsi que les revenus et les dépenses de l'exercice 2016 (du 1^{er} janvier au 30 juin 2016). Le bilan au 30 juin 2016 est également joint.

La SCG a terminé l'exercice 2015 sur une note financière positive, avec un modeste surplus de 1 800 \$ comparativement à la perte de 22 000 \$ budgétisée à l'origine. La Société demeure en excellente situation financière, avec des actifs totaux de 900 500 \$ au 31 décembre 2015, comprenant 331 400 \$ en trésorerie et en fonds affectés, 224 400 \$ en investissements, 280 000 \$ en prêts à la Fédération canadienne de géotechnique et à différentes conférences commanditées par la SCG et 60 700 \$ en créances d'exploitation.

Rapport financier 2015

Le sommaire des revenus et des dépenses au 31 décembre 2015 est compilé ci-dessous et est basé sur les états financiers vérifiés fournis par le cabinet de vérificateurs Johnsen Archer LLC. Les données réelles de l'exercice 2014 sont fournies à titre de comparatif.

| | Données réelles de 2014 (vérifiées) | 2015 | |
|-------------------------------------|---|--------------|--|
| | | Budget 2015 | Données réelles (vérifiées) au 31 décembre 2015 |
| | Revenus (en milliers de \$) | | |
| Cotisations des membres | 265,7 | 260,0 | 260,8 |
| Publications | 59,7 | 55,0 | 42,7 |
| Conférences | 45,9 | 22,0 | 61,6 |
| Commandites | 9,0 | 9,0 | 12,5 |
| Divers | 4,8 | 5,0 | 4,9 |
| REVENUS TOTAUX | 385,1 | 351,0 | 382,5 |
| Dépenses (en milliers de \$) | | | |
| Adhésions internationales | 33,7 | 35,0 | 29,6 |
| Conférences/TCT | 7,4 | 8,0 | 11,6 |
| Publications | 124,4 | 110,0 | 116,3 |
| Honoraires associés au personnel | 148,8 | 150,0 | 152,8 |
| Exploitation | 41,5 | 50,0 | 57,7 |
| Divers | 0,0 | 20,0 | 12,7 |
| DÉPENSES TOTALES | 355,8 | 373,0 | 380,7 |
| | | | |
| REVENUS MOINS DÉPENSES | 29,3 | -22,0 | +1,8 |

Remarques accompagnant le Sommaire des revenus et des dépenses pour l'exercice 2015

Revenus

De nouveau, les principales sources de revenus de la SCG en 2015 ont été les cotisations des membres, les revenus de publication [principalement du *Manuel canadien d'ingénierie des fondations (MCIF)* et du *Canadian Foundation Engineering Manual (CFEM)*] et les conférences.

Cotisations des membres : L'estimation budgétisée de 260 000 \$ a été atteinte.

Nombre de membres au 31 décembre 2015 : 1 388, dont 1 123 ordinaires, 172 étudiants, 67 retraités, 19 de la SCGC (deuxième société), 4 de la AIH-SNC (deuxième société) et 3 de la NAGS (deuxième société). La diminution d'un peu plus de 100 membres par rapport à 2014 est attribuable au non-renouvellement des adhésions d'étudiant gratuites de 2014.

Historique de l'effectif : 2014 – 1 493; 2013 – 1 254; 2012 – 1 214; 2011 – 1 168; 2010 – 1 203; 2009 – 1 208; 2008 – 1 202.

Publications : Une baisse de 12 300 \$ par rapport au budget. Cela était prévisible étant donné que les ventes du *CFEM4* et du *MCIF4* continuent à décliner alors que les membres attendent la prochaine édition.

Conférences : Une augmentation de 39 600 \$ par rapport au budget, comme décrit ci-dessous.

GéoQuébec 2015 : Conférence très réussie. 53 000 \$ ont été reçus en 2015 par le Bureau national de la SCG en produits nets de la conférence.

GeoRegina 2014 : Bien que 30 000 \$ aient été enregistrés comme revenus de conférence estimés en 2014, le montant final dû au Bureau national de la SCG a été de 33 600 \$. Des revenus de 3 600 \$ ont donc été réalisés en 2015.

GéoHalifax 2009 : En 2015, la section de Halifax a constaté l'existence d'un compte dormant de la conférence GéoHalifax 2009. Ce compte a été subséquemment fermé, et 5 000 \$ ont été retournés au Bureau national de la SCG.

Commandites : Une augmentation de 3 500 \$ par rapport au budget.

Divers : Cela comprend les revenus de placement et ceux du site sur les carrières de l'ICI. Une légère baisse par rapport au budget.

Dépenses

Adhésions internationales : Une diminution de 5 400 \$ par rapport au budget (et de 4 100 \$ par rapport à 2014). Cela est attribuable aux changements aux premiers choix de division sélectionnés par les membres de la SCG, ainsi qu'à la baisse des adhésions optionnelles à une société internationale.

Conférences : Ces dépenses comprennent celles relatives aux subventions octroyées aux étudiants et le coût net du Souper Legget. En 2015, les dépenses nettes de la TCT ont été transférées du poste « Exploitation » à cette catégorie. Par conséquent, la comparaison de ce poste budgétaire n'est pas significative. Les dépenses ont augmenté de 4 200 \$ comparativement à 2014 en raison de la hausse des coûts du Souper Legget à Québec, comparativement à celui de Regina, et combinées à l'accroissement des dépenses des conférenciers de la TCT en 2015.

Publications : Une augmentation de 6 300 \$ par rapport au budget. Ces dépenses comprennent le magazine *Geotechnical News*, les abonnements aux versions électronique et imprimée de la *Revue canadienne de géotechnique* et le *Manuel canadien d'ingénierie des fondations* (ses versions française et anglaise). Les dépenses relatives aux publications ont diminué de 8 100 \$ par rapport à 2014.

Honoraires associés au personnel : Une légère augmentation de 2 800 \$ par rapport au budget.

Exploitation : Une augmentation de 7 700 \$ par rapport au budget. Cette augmentation a été principalement attribuable à des coûts plus élevés relativement à la traduction, aux déplacements, au site Web, ainsi qu'à la taxe québécoise, de 2 300 \$, 6 300 \$, 4 200 \$ et 3 500 \$ respectivement, par rapport aux montants de 2014.

Divers (initiatives) : Une baisse de 7 300 \$ par rapport au budget. Les coûts relatifs aux programmes ont compris 2 100 \$ pour les sous-verres de la SCG distribués lors de la conférence GéoQuébec 2015, 8 400 \$ pour les coûts d'envoi postal/d'impression relatifs aux épinglettes de service et le temps du personnel et 1 400 \$ pour le travail à forfait sur la revitalisation du site Web de la SCG.

Bilan sommaire au 31 décembre 2015

| | | x 1 000 \$ |
|--|--------------------------------|--------------|
| Actifs | Trésorerie (compte chèque) | 290,2 |
| | Fonds affectés | 41,2 |
| | Investissements (épargne) | 224,4 |
| | Créances d'exploitation | 64,7 |
| | Prêts en cours | 280,0 |
| ACTIFS TOTAUX | | 900,5 |
| | | |
| Passif | Dettes d'exploitation | 32,0 |
| | TPS/TVH payable | 1,0 |
| | Charges à payer | 9,0 |
| | Revenus reportés | 66,8 |
| PASSIF TOTAL | | 108,8 |
| Capitaux propres | Bénéfices non répartis de 2014 | 748,8 |
| | Fonds affectés | 41,2 |
| | Revenus moins dépenses 2015 | 1,7 |
| CAPITAUX PROPRES TOTAUX | | 791,7 |
| CAPITAUX PROPRES TOTAUX ET PASSIF | | 900,5 |

Mise à jour financière pour 2016, au 30 juin 2016

Les revenus et les dépenses au 30 juin 2016 sont résumés ci-dessous, ainsi que les prévisions pour le 31 décembre 2016. Les données réelles de 2015 et celles budgétisées pour 2016 sont fournies à titre de comparatif.

Les revenus (y compris les revenus perçus d'avance reçus en 2015 pour les adhésions de 2016) se chiffrent actuellement à 266 000 \$, comparativement à 289 700 \$ pour la même période en 2015. Les dépenses à ce jour sont de 216 300 \$, comparativement aux 172 800 \$ pour la même période en 2015.

| | Données réelles (vérifiées) de 2015 | 2016 | | |
|-------------------------------------|--|--------------|-----------------------------|----------------------------------|
| | | Budget | Au 30 juin 2016 | Projetées au 31 décembre 2016 |
| | | | Revenus (en milliers de \$) | |
| Cotisations des membres | 260,8 | 260,0 | 239,9 | 260,0 |
| Publications | 42,7 | 50,0 | 14,7 | 30,0 |
| Conférences | 61,6 | 25,0 | 0 | 35,0 |
| Commandites | 12,5 | 11,0 | 8,0 | 12,5 |
| Divers | 4,9 | 5,0 | 3,4 | 5,0 |
| REVENUS TOTAUX | 382,5 | 351,0 | 266,0 | 342,5 |
| | Dépenses (en milliers de \$) | | | |
| Adhésions internationales | 29,6 | 35,0 | 12,7 | 30,0 |
| Conférences/TCT | 11,6 | 8,0 | 6,0 | 8,0 |
| Publications | 116,3 | 110,0 | 69,1 | 110,0 |
| Honoraires associés au personnel | 152,8 | 157,0 | 80,4 | 157,0 |
| Exploitation | 57,7 | 60,0 | 33,1 | 60,0 |
| Nouvelles initiatives | | 20,0 | 9,5 | 20,0 |
| Divers | 12,7 | 5,0 | 5,5 | 5,5 |
| DÉPENSES TOTALES | 380,7 | 395,0 | 216,3 | 390,5 |
| | | | | |
| REVENUS MOINS DÉPENSES | 1,8 | -44,0 | 49,7 | -48,0 |

Remarques accompagnant le Sommaire des revenus et des dépenses au 30 juin 2016

Revenus

Cotisations des membres : Les revenus ont diminué de 7 800 \$ par rapport à la même période en 2015. Les revenus des adhésions à une deuxième société (SCGC, AIH-SNC et NAGS) sont habituellement recueillis au T3 (troisième trimestre). Ces revenus, en plus des revenus émanant habituellement des cotisations qui seront reçus au T3, devraient être suffisants pour atteindre les 260 000 \$ budgétisés.

Publications : Les revenus ont diminué de 14 600 \$ comparativement à la même période en 2015. Par conséquent, les revenus projetés en fin d'exercice ont été réduits de 20 000 \$, à 30 000 \$.

Conférences : Les revenus de conférence pour GéoVancouver ne seront pas comptabilisés avant la fin de 2016.

Commandites : Les revenus des commandites de 2016 se chiffrent à 8 000 \$. Des revenus confirmés de 4 500 \$ seront reçus durant le T3.

Divers : Ces revenus comprennent 3 400 \$ en intérêt et ceux relatifs au site sur les carrières de l'ICI.

Dépenses

Adhésions internationales : 12 700 \$ ont été versés à différentes sociétés internationales pour des adhésions achetées, ou incluses dans le choix de division des membres de la SCG. Le montant restant est habituellement dépensé durant le T3.

Conférences/TCT : Les dépenses associées aux conférences sont habituellement engagées au T4. Les dépenses actuelles de 6 000 \$ reflètent les dépenses relatives à la TCT à ce jour, dont la majorité sera remboursée par la Fondation canadienne de géotechnique au T4.

Publications : Ces dépenses comprennent les paiements aux Presses scientifiques du CNRC pour l'accès en ligne à la *Revue canadienne de géotechnique* pour tous les membres et des copies imprimées pour les membres payant un supplément, ainsi que ceux à BiTech Publishers pour *Geotechnical News*. Les dépenses ont diminué de 7 900 \$ par rapport à la même période en 2015, principalement en raison d'une réduction des commissions de vente du MCIF.

Honoraires associés au personnel : Ces 80 400 \$ correspondent à 51,2 % du budget et indiquent que nous sommes sur la bonne voie.

Exploitation : Ces 33 100 \$ correspondent à 55,2 % du budget, comparativement au 20 400 \$ pour la même période en 2015. Les principales différences sont la taxe québécoise de 2 700 \$ et les frais de vérification de 9 000 \$ qui n'ont pas été dépensés à la même période en 2015.

Nouvelles initiatives : Ces dépenses de 9 500 \$ sont attribuables au projet de renouvellement du site Web.

Divers : Ces dépenses de 5 500 \$ comprennent 5 000 \$ pour le projet d'édition de la Commission géologique du Canada et une subvention de 500 \$ pour la section de Thunder Bay de la SCG.

Bilan sommaire au 30 juin 2016

| | | x 1 000 \$ |
|----------------------|----------------------------|--------------|
| Actifs | Trésorerie (compte chèque) | 135,7 |
| | Fonds affectés | 40,1 |
| | Investissements (épargne) | 366,4 |
| | Créances d'exploitation | 58,8 |
| | Prêts en cours | 260,0 |
| ACTIFS TOTAUX | | 861,0 |

| | | |
|--|--------------------------------|--------------|
| Passif | Dettes d'exploitation | 13,5 |
| | TPS/TVH payable | -2,9 |
| | Charges à payer | 9,0 |
| PASSIF TOTAL | | 19,6 |
| Capitaux propres | Bénéfices non répartis de 2015 | 751,6 |
| | Fonds affectés | 40,1 |
| | Revenus moins dépenses 2016 | 49,7 |
| CAPITAUX PROPRES TOTAUX | | 841,4 |
| CAPITAUX PROPRES TOTAUX ET PASSIF | | 861,0 |

Remarques accompagnant le bilan sommaire au 30 juin 2016

Actifs

Trésorerie (compte chèque/épargne) : TD Canada Trust (compte chèque de 135 700 \$)

Fonds affectés : Division de la géotechnique des régions froides (13 800 \$); Division de la géologie de l'ingénieur (8 800 \$); Comité sur l'éducation (17 500 \$)

Placements : Tangerine (compte d'épargne d'entreprise de 251 300 \$); RBC (compte d'épargne-placement de 115 100 \$)

Créances d'exploitation : Produits de GéoQuébec 2015, cotisations 2016 des membres de l'AIH-SNC et revenus du site sur les carrières de l'ICI

Prêts en cours : Fondation canadienne de géotechnique (235 000 \$) à 0 %; GéoVancouver 2016 (20 000 \$) à 0 %; 5^e cYGEHC (5 000 \$) à 0 %

Passif

Dettes d'exploitation : Factures de juin de GGMI et de Johnsen Archer (vérificateur de la SCG)

Charges à payer : Honoraires annuels des vérificateurs (2016)

Capitaux propres

Fonds affectés : Division de la géotechnique des régions froides (13 800 \$); Division de la géologie de l'ingénieur (8 800 \$); Comité sur l'éducation (17 500 \$)

***Vice President Communication's Annual Report – Catherine Mulligan
July 1, 2015 to June 30, 2016***

CGS E-News

Ten monthly issues of CGS Geotechnical Info Net (CGS-GIN) were distributed from July 2015 to June 2016. Three special e-news messages were also sent. These included:

- Young Professional invitation to the 2016 Canadian Young Geotechnical Engineers and Geoscientists Conference
- Call for 19th ICSMGE Conference Abstracts Extended to March 31, 2016
- CGS 2017 Call for Colloquium Nominations

General comments: The more regular delivery of CGS-GIN, started in January 2015, has been a good and consistent means of communicating with the CGS membership. It is hoped that more members will contribute newsworthy items for publication.

CGS Website

The Calendar of Events page on the CGS website is regularly updated regularly as receive items from members and related organizations.

The revitalization process for the CGS website is almost complete and a new look site will be launched by the end of 2016. The content management system has been enhanced to permit CGS staff, and others where allowed, to more easily updates items of interest for our members. Look for an improvement in the delivery of news and events related to our profession, and enhanced Section, Division, and Committee pages.

CGS Social Media

CGS launched the CGS LinkedIn and Facebook pages in October of last year. We are now at 449 followers on LinkedIn, while the Facebook page is active with many likes and visitors. CGS does maintain a Twitter account that we expect to use for more urgent communication, such as during conferences. GeoVancouver has had access to all three accounts and has been making good use of Twitter and Facebook to spread messages about the 2016 conference. In order to keep the messages fresh and timely, members are invited to send relevant geotechnical news articles and announcements to the CGS National Office.

Member Registration / Renewal

As of June 30, 2016, 1,462 members have renewed or registered with CGS, an increase of 78 over this period last year. All student delegates attending the 2015 annual conference were given complimentary registrations for the 2016 membership year – the same will be done for this year's GeoVancouver student attendees as agreed to by the Board of Directors. It is hoped that by increasing our student membership we will improve our communication with the younger generation, resulting in more future full members down the road.

***Vice-présidente aux communications – Catherine Mulligan
Activités du 1^{er} juillet 2015 au 30 juin 2016***

Bulletin d'information électronique de la SCG

Dix numéros mensuels du *Réseau d'information géotechnique de la SCG (RIG-SCG)* ont été distribués entre juillet 2015 et juin 2016. Trois messages informatifs électroniques ont également été envoyés. Ils comprenaient :

- Invitation des jeunes professionnels à la Conférence canadienne des jeunes géotechniciens et géoscientifiques
- Prolongation de l'appel de résumés pour la 19th ICSMGE Conference jusqu'au 31 mars 2016
- Appel de candidatures pour le Colloquium 2017 de la SCG

Commentaires généraux : La parution régulière du *RIG-SCG*, qui a vu le jour en janvier 2015, est un excellent mode de communication uniforme avec les membres de la SCG. Nous espérons qu'un plus grand nombre de membres y contribueront en offrant des articles intéressants à publier.

Site Web de la SCG

La page Calendrier des événements sur le site Web de la SCG est actualisée régulièrement au fur et à mesure que des éléments sont reçus de membres et d'organisations connexes.

Le processus de revitalisation du site Web de la SCG est presque terminé, et un site ayant une nouvelle apparence sera lancé d'ici la fin de 2016. Le système de gestion du contenu a été amélioré pour permettre au personnel de la SCG et à d'autres personnes autorisées d'actualiser plus facilement des éléments intéressant nos membres. Ne manquez pas une amélioration de la transmission des nouvelles et des événements liés à notre profession, ainsi que des pages améliorées pour les sections, les divisions et les comités.

Médias sociaux de la SCG

La SCG a lancé ses pages Facebook et LinkedIn en octobre, l'année passée. Nous avons maintenant 449 abonnés sur LinkedIn, alors que la page Facebook est active avec de nombreux « J'aime » et visiteurs. La SCG a un compte Twitter que nous prévoyons utiliser pour des communications plus urgentes, comme durant les conférences. Le comité organisateur de GéoVancouver a eu accès aux trois comptes et a bien profité de Twitter et de Facebook pour diffuser des messages sur la conférence 2016. Pour que les messages soient récents et opportuns, les membres sont invités à envoyer des annonces et des articles pertinents sur le plan de la géotechnique au Bureau national de la SCG.

Inscription de membres/Renouvellement de l'adhésion

En juin 2016, 1 386 membres ont renouvelé leur adhésion ou se sont inscrits à la SCG, soit 66 de plus que l'année dernière. Tous les délégués étudiants qui ont participé à la conférence annuelle 2015 ont reçu des inscriptions gratuites pour l'année de cotisation 2016. Il en sera de même pour les étudiants participant à GéoVancouver cette année, comme convenu par le Conseil d'administration. Nous espérons qu'en augmentant le nombre de membres étudiants, nous améliorerons notre communication avec la génération plus jeune, entraînant plus de membres à part entière à l'avenir.

***Young Professional Representative Annual Report – Ariane Locat
July 1, 2015 to June 30, 2016***

Report on young member events

- Young Profession Representative Position on the CGS Executive Committee has been voted at the September 2015 Board of Director Meeting in Quebec City. Ariane Locat accepted to take the position for a two years period.
- Two social activities for students and young professionals were organized under the hospice of GeoQuebec:
 - Post icebreaker on evening of the 20th September 2015. 48 persons attended this event that took place in a local brewery located at a walking distance from the conference.
 - Gathering in Old Quebec on evening of 21st September 2015. 32 persons attended this event that was mainly focused on students and consisted in the visit of two breweries located in Old Quebec.

These events were financed by the Education Committee and organized by Vincent Castonguay, Eastern-Quebec Section Student Representative. Young Professional Representative supervised the organization of event and acted as contact between the Education Committee and the GeoQuebec Organizing Committee. These events were very successful and helped creating a network for younger CGS members.

- Organization of the 5th Canadian young geotechnical engineers and geoscientists conference is well on its way. It is chaired by Julian McGreevy and Co-chaired by Maraika De Groot and will be held in Whistler, B.C. from September 29th to October 1st 2016. Organizing Committee sends regulars update reports to the CGS Executive Committee. VP Financial and Young Professional Representative are ex officio members of the 5th cYGEHC Organizing Committee and invited to their conference call meetings. Role of Young Professional Representative has mainly been in assisting to conference call and reporting on 5th cYGEHC advancements to the CGS Executive Committee.

Website

No website is dedicated to Young Professional Representative. Whoever, the objective is to work on a website page for CGS student members in the few months.

Additional information or comments

Contact has been made with Jennifer Bauer, North America regional representative for the IAEG Sub-40 (young members) group in order to exchange news and information on events concerning young geoscientist professionals. For now, exchanges have been informal through emails about the 5th cYGEHC and the 6th iYGEHC.

***Rapport annuel de la représentante des jeunes professionnels – Ariane Locat
1^{er} juillet, 2015 au 30 juin, 2016***

Rapport sur les activités pour les jeunes professionnels

- La position de représentant des jeunes professionnels au sein du Comité exécutif de la SCG a été votée lors de la réunion des directeurs en septembre 2015 à Québec. Ariane Locat a accepté cette position pour un mandat de deux ans.
- Deux activités sociales ont été organisées lors de GéoQuébec:
 - Un après brise-glace a eu lieu dans la soirée du 20 septembre 2015. 48 personnes ont participé à cette activité qui a eu lieu dans une brasserie à une distance de marche de la conférence.
 - Une visite du vieux Québec s'est déroulée dans la soirée du 21 septembre 2015. 32 personnes ont participé à cet évènement ayant eu lieu dans deux brasseries du Vieux Québec.

Ces activités ont été financées par le Comité éducation et organisées par Vincent Castonguay, Représentant étudiant de la Section de l'Est de Québec. La représentante des jeunes professionnels a supervisé l'organisation et a établi le contact entre le Comité éducation et le Comité d'organisation de GéoQuébec. Ces évènements ont été un succès et ont contribué à la création de liens entre les jeunes membres de la SCG.

- L'organisation de la 5^{ème} Conférence Canadienne des jeunes ingénieurs géotechniciens et géoscientifiques va de bon train. Celle-ci est présidée par Julian McGreevy and co-présidée par Maraika De Groot et se tiendra à Whisler, C.B. du 29 septembre au 1^{er} octobre 2016. Le comité d'organisation envoie régulièrement des rapports d'avancement au Comité exécutif de la SCG. Le VP finance et la Représentante des jeunes professionnels sont des membres d'office du comité d'organisation de la 5^{ème} Conférence Canadienne des jeunes ingénieurs géotechniciens et géoscientifiques et sont également invités aux appels conférences organisées par celui-ci. Le rôle de la Représentante des jeunes professionnels est d'assister aux appels conférence et de tenir à jour le Comité exécutif de la SCG sur les avancements de cette conférence.

Site web

Aucun site web n'est consacré au Représentant des jeunes professionnels. Par contre, l'objectif est de créer une page web sur le site de la SCG pour les membres étudiants.

Information supplémentaire et autres commentaires

Un contact a été fait avec Jennifer Bauer, Représentante régionale d'Amérique du Nord de IAEG moins de 40 (jeunes membres) afin d'échanger des nouvelles et de l'information à propos d'événements concernant les jeunes professionnels géoscientifiques. Pour l'instant ces échanges sont informels et à propos de la 5th cYGEHC et de la 6th iYGEHC

SECTION REPORTS

Section Representative Annual Report – Seán Mac Eoin July 1, 2015 to June 30, 2016

Generally, the Section reports indicate that they are healthy, and each Section has held at least one event, with some holding as many as 10 events. Some Sections will continue to need additional support in the coming year from CGS HQ and from other Sections.

During the year (July 2015 to June 2016), almost 160 members of Section Committees and Executives – all volunteers – served their almost 2,000 Section members, and arranged 115 events (technical and social), achieving over 4,900 attendances. This does not include the attendance of 870 at GéoQuébec2015. The CGS is clearly serving well the Geotechnical community at a local level.

Some Sections may wonder how the effectiveness of their efforts compares with the effectiveness of other Sections. From the data reported by the 20 Sections, some comparisons are possible. All of these comparisons must be tempered by the context of each Section. 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.

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 0.74 events per Section Executive member with values ranging from 0.5 to 2.0. The number of events held per member is also a useful indicator. This averaged 0.06, ranging from 0.03 to 0.26. Another such measure is the annual attendance per member of the Section Executive. This averages at 31.4, and ranges from 6.5 to 93 and 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 2.49 events per member, and this ranged from 0.82 to 7.00. Participation and commitment of Section members may also be gauged by the average percentage of members attending events, and this ranges from 8.2% to 162.5%. The higher value may indicate an opportunity to add to our membership those non-members attending our events.

The percentage of the membership sitting on the Section Executives ranged from 4.3% to 28%, averaging 7.9%. On average, each member of an Executive served 12.6 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.

Getting people involved in restarting or establishing an organisation is very difficult, and this is the stage at which most support and encouragement is needed. It takes a long time to reach the point where it is routine for a Committee or Executive to arrange a programme of events for the membership which meets their expectations and their needs. Some of our Sections are restarting from an inactive or dormant state, and are working hard to establish an active programme. The nearest fully functioning Sections are encouraged to reach out and offer support to their neighbours in their effort to get established and to serve and grow their membership. This support can include, for example, information, advice, coaching, live webcasts, contacts with possible speakers, or even financial support.

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

| Section | Members | | | Number of Events | | | | | Total Events | Total Attendance | Sponsor Student? 2016 |
|-------------------|-------------------------------------|--|--|------------------|-----------------------|--------------------------------|-------------------|------------------|--------------|-------------------------------|--------------------------|
| | Executive Total/incl students | Total Members Total/incl students | CGS Members Total/incl students | CLT | Technical Lectures | Workshop & Short Courses | Student Events | Social Events | | | |
| Vancouver Island | 4 | 27 | 10 | 1 | 6 | | | | 7 | 189 | N |
| Vancouver | 13/0 | 197/8 | 35 | 2 | 6 | 1 | | | 9 | 466 | N |
| Prince George | 3/0 | 25/1 | 10 | 1 | 1 | | | | 2 | 53 | N |
| Interior BC | 3 | >15 | NK | | 2 | | | | 2 | 32 | N |
| Edmonton | 15/1 | 242/23 | 115 | 2 | 4 | 1 | 1 | | 8 | 414 | Y |
| Calgary | 12/1 | 193 | 121 | 2 | 7 | | | | 9 | 435 | Y |
| Saskatoon | 9/2 | 70/20 | NK | 1 | 3 | 1 | | | 5 | 155 | Y |
| Regina | 7/0 | >25 | >15 | 1 | 3 | | | | 4 | 128 | Y |
| Manitoba | 8/0 | NK | 35 | 2 | 4 | | | 1 | 7 | 255 | Y |
| Thunder Bay | 3/0 | 8 | 10 | 1 | | | | | 1 | 13 | N |
| Sudbury | 2/0 | 17 | NP | | 2 | | | | 2 | 18 | N |
| London | 15/2 | 300 | 41 | 0 | 7 | | 2 | 1 | 10 | 245 | N |
| Southern Ontario | 13 | 300 | 300 | 2 | 6 | | 1 | 1 | 10 | 1209 | N |
| Kingston | 9 | 109 | 45 | 1 | 4 | | 1 | | 6 | 129 | Y |
| Ottawa | 6 | 100 | NP | 2 | 3 | | 1 | 1 | 7 | 275 | Y |
| L'ouest-du-Québec | 10 | 90/5 | NP | 2 | 8 | | | | 10 | 490 | Y |
| L'est-du-Québec | 15 | 150 | 50/10 | 1 | 5 | 1* | 1 | | 8 | 1093/ 223^ | Y |
| New Brunswick | 4 | 22 | 22 | 1 | 1 | | | | 2 | 48 | N |
| Nova Scotia | 5 | 45 | 28 | 2 | 1 | | | | 3 | 93 | N |
| St. John's | 2 | 40/20 | | 1 | 2 | | 1 | | 4 | 58 | Y |
| Totals | 144/6 | 1975/77 | >837/10 | 25 | 75 | 4 | 8 | 4 | 116 | 5,798 */ 4,928 | 10 |

*Includes CGS National Conference

^ Does not include CGS National Conference

NP = Not Provided

NK = Not Known

This year, information has been gathered from the Sections as a first step in ensuring that the CGS remains tax-compliant, and also to establish that the CGS serves all of Canada. We do have CGS members 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 webcast some of their lectures, and others may consider a similar approach to reach more of their members.

Working together and sharing knowledge has always been the technical strength of the CGS. Applying this principle to strengthen our organisation in the Sections will bring success. Expanding the horizons of each Section beyond the city in which it is based will allow us to serve a wider membership.

A table is provided below, listing each Section with its formal name, its Province, and whether it is incorporated or not. The funds held by both incorporated and non-incorporated Sections are listed and totalled separately. Sections which have not reported on incorporation have been included as non-incorporated Sections.

| Formal Name | Province | Inc? | Funds Held | |
|--|----------|------|------------------|------------------|
| | | | Non-Inc | Inc |
| Vancouver Island Geotechnical Group | BC | No | \$4,700 | |
| Vancouver Geotechnical Society | BC | No | \$34,350 | |
| Prince George Geotechnical Group | BC | No | \$1,960 | |
| Interior BC Section | BC | Yes | | \$9,000 |
| Geotechnical Society of Edmonton | AB | Yes | | \$31,967 |
| Calgary Geotechnical Society | AB | No | \$12,060 | |
| Saskatoon Geotechnical Group | SK | NP | \$19,756 | |
| Regina Geotechnical Group | SK | No | \$41,338 | |
| Manitoba Section | MB | No | \$58,385 | |
| Thunder Bay Section | ON | No | \$222 | |
| Sudbury Section | ON | No | \$130 | |
| London Section | ON | NP | \$1,164 | |
| Southern Ontario Section | ON | No | \$41,773 | |
| Kingston Section | ON | No | \$14,275 | |
| Ottawa Geotechnical Group | ON | No | \$20,000 | |
| Section régionale de l'ouest-du-Québec | QC | Yes | | \$25,429 |
| Section régionale l'Est-du-Québec | QC | Yes | | \$58,381 |
| New Brunswick Section | NB | No | \$580 | |
| Nova Scotia Section | NS | No | \$20,950 | |
| St John's Section | NL | No | \$229 | |
| Subtotals | | | \$271,872 | \$124,777 |
| TOTAL | | | | \$396,649 |

NP = Not Provided

It is interesting to note that six of the 20 Sections cover another other than their main centre at least occasionally. The total funding held by the Sections is over \$380,000. This is held in a number of financial institutions, including Bank of Montreal, Royal Bank of Canada, a credit union, CIBC, TD Canada Trust, and ING Direct (online). This information will be used to demonstrate the CGS's tax compliance.

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

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

Section 1: General

Date of this report: July 15, 2016
Prepared by: Chris Weech
Section Director: Chris Weech
End of Section Director's Term: December 31, 2018
Section's CGS web page address: http://cgs.ca/section_vancouver_island.php
Last time your Section's CGS web page was updated: After Feb., 2016
If your Section has a separate website, please provide address: N/A

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Chris Weech – Thurber Engineering Ltd.
Past Chair: J. Suzanne Powell – Thurber Engineering Ltd.
Vice Chair/Technical Director: Angeleen Ramey – Golder Associates Inc.
Secretary/Treasurer: David Palmer – WSP (Levelton)
Registrar: Kyle Dole – Ryzuk Geotechnical

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

Executive Committee Members: 4

Total members (if possible, student and non-student members): We no longer offer a local VIGG membership – see below for further details. Our talks over the past year have averaged 27 people which is above our typical average of around 20 attendees.

Total CGS members (if possible student and non-student members): We typically get 6-10 CGS members to each talk.
Comments

- This year we decided to eliminate the \$25 local membership fee previously in place. This fee was never mandatory, but gave attendees a \$5 reduction on admission to the monthly technical luncheons. As there are generally 7 to 8 luncheons each season, membership was intended to reward regular attendees. Instead our new fee structure is as follows: CGS members will be given a \$10 discount on the admission price. The usual admission will therefore be \$10 for CGS members and \$20 for non-members. This new fee structure is intended to assist the CGS in its efforts to boost membership.

Section 4: Section Finances (as of June 30, 2016):

Account balance ~\$4,700
Does your Section charge members an annual fee? NO

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|---|--|--|------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| Oct. 2, 2015 | Dr. Gordon Fenton – Fall CCLT | Reliability-Based Geotechnical Design: Link between Theory and Practice | 27 |
| Oct. 20, 2015 | Dr. Tom Gleeson – University of Victoria | Groundwater Sustainability: from modeling localised shale gas or pumping to quantifying global groundwater resources | 22 |
| Dec. 4, 2015 | Megan Wolfe – DMT Geosciences Ltd. | Misconceptions of Geotechnical and Engineering Geophysics | 27 |

| | | | |
|---------------|--|--|----|
| Jan. 12, 2016 | Chris Weech – Thurber Engineering Ltd. | 2015 NBCC Seismic Hazard, Geotechnical Design Implications for Southern Vancouver Island | 42 |
| Feb. 15, 2016 | Dr. Jerome De Graff - California State University-Fresno, Dept. of Earth & Environmental Science | The Challenges Of Providing Landslide Information During An Emergency Response | 26 |
| Mar. 30, 2016 | Peter Bullock – GeoStabilization International | Addressing Erosion Without Riparian Disruption On Vancouver Island BC | 18 |
| Apr. 19, 2016 | Mike Wei – BC Ministry of Environment; and Scott Morgan – BC Ministry of FLNRO, Dam Safety Section | Water Sustainability Act: Groundwater Licensing & Protection, Dam Safety | 27 |

Vancouver Geotechnical Society
Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of this report: July 15, 2016

Prepared by: Jason Pellett

Section Director: Vancouver Geotechnical Society

End of Section Director's Term: December 31, 2016

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

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

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

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

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Executive Committee

The Vancouver Geotechnical Society Executive Committee is as follows:

| Role | Name | Company |
|-----------------------------|----------------------------------|--|
| <i>Chair</i> | <i>Ali Amini</i> | <i>Naesgaard-Amini Geotechnical Ltd.</i> |
| <i>Past-Chair</i> | <i>(Kumar) S. Sriskandakumar</i> | <i>BGC Engineering Inc.</i> |
| <i>Program Director</i> | <i>Robyn Barnett</i> | <i>Tetra Tech EBA Inc.</i> |
| <i>Treasurer</i> | <i>Chris Longley</i> | <i>Stantec</i> |
| <i>Secretary</i> | <i>Yoshi Tanaka</i> | <i>Levelton Consultants</i> |
| <i>Registrar</i> | <i>Shane Magnusson</i> | <i>Amec Foster Wheeler</i> |
| <i>Web Manager</i> | <i>Marc Bossé</i> | <i>Thurber Engineering</i> |
| <i>CGS Section Director</i> | <i>Jason Pellett</i> | <i>Tetra Tech EBA</i> |
| <i>Member-at-Large</i> | <i>Mustapha Zergoun</i> | <i>Thurber Engineering Ltd.</i> |
| <i>Member-at-Large</i> | <i>Andrea Loughheed</i> | <i>Thurber Engineering Ltd.</i> |
| <i>Member-at-Large</i> | <i>Ryan Mills</i> | <i>Tetra Tech EBA Inc.</i> |
| <i>Member-at-Large</i> | <i>James Woo</i> | <i>Stantec</i> |
| <i>Member-at-Large</i> | <i>Aran Thurairajah</i> | <i>Golder Associates Ltd.</i> |

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

Executive Committee Members: 13

Total members (if possible, student and non-student members): 176 Regular members, 8 students, 13 lifetime members

Total CGS members (if possible student and non-student members): Unknown; my guess is about ~ 30 to 40 members

Comments none

Section 4: Section Finances (as of June 30, 2016):

Account balance

\$22,720 (RBC), \$11,630 (ING Direct), Total \$34,350

Does your Section charge members an annual fee?

Yes

If so, how much?

\$25 regular member; \$5 student member

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|---|---|---|------------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| 10/01/2015 | Dr. Gordon Fenton, Dalhousie University | Reliability-Based Geotechnical Design: Link between Theory and Practice <i>Cross Canada Lecture Tour – Fall 2015</i> | 47 |
| 10/21/2015 | Nathan Sweeney, P.Eng. & Li Yan, P.Eng., Ph.D. BC Hydro | Ruskin Dam - Seismic and Seepage Control Upgrade | 71 |
| 11/25/2015 | Trevor Allen Natural Resources Canada | Canada's 5th Generation Seismic Hazard Model for the 2015 National Building Code of Canada | 73 |
| 01/20/2016 | Matthew Lato, Ph.D., P.Eng. BGC Engineering Inc. | Understanding Slope Stability Through Remote Sensing | 76 |
| 02/03/2016 | Dr. Dariusz Wanatowski, University of Nottingham Ningbo China (UNNC) | Development Of Rock Strength Parameters For Numerical Modelling | 19 |
| 03/22/2016 | Dr. Oldrich Hungr and Dr. Leslie Smith, Department of Earth & Ocean Sciences, University of British Columbia (UBC) | VGS / UBC Geological Engineering 2016 Distinguished Lectures: "Debris Flow Hazard And Risk Assessment & Lessons For Life As You Head Into Practice: A Perspective On Groundwater Models" | Not Available |
| 04/13/2016 | Luca Zorzi – Ph.D., Geoscientist Specialist, Golder Associates Ltd | 19 July 1985 Stava Tailings Dam Failure: What Can We Learn From It? | 64 |
| 05/05/2016 | Dr. Antonio Gens – Technical University of Catalonia (Barcelona) | Progressive Failure In Overconsolidated Brittle Clay: Lessons From The Failure Of A Tailings Dam <i>Cross Canada Lecture Tour – Spring 2016</i> | 56 |
| 05/09/2016 and 05/10/2016 | Dr. Gordon Fenton, Dalhousie University and Dr. Vaughan Griffiths, Colorado School of Mines | VGS 2016 Short Course: "Risk Assessment in Geotechnical Engineering" | 60 |

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

Section 1: General

Date of this report: July 15, 2016

Prepared by: Dave McDougall

Section Director: Dave McDougall, Chair

End of Section Director's Term: 2016

Section's CGS web page address: n/a

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

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Dave McDougall, GeoNorth Engineering Ltd.

Past Chair: Eric Mohlmann, AMEC Foster Wheeler (now residing in Nanaimo)

Vice Chair: Doug Dewar, Spectra Energy

Secretary: open

Natasha Jmaeff, GeoNorth Engineering Ltd., Events Coordinator

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

Executive Committee Members: 3

Total members (if possible, student and non-student members): 25, 1

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

Comments (point form)

- Consultants typically cover the cost of CGS membership, government employees might not have financial support.

Section 4: Section Finances (as of June 30, 2016):

Account balance \$1960.32

Does your Section charge members an annual fee? no

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|--|--|---|------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| May 6, 2016 | Dr. Antonia Gens | Progressive failure in overconsolidated brittle clays | 22 |
| Dec 3, 2015 | Brendan Miller, BC Ministry of Forests, Lands and Natural Resource Op. | Landslide Dams in the Peace River Watershed | 31 |
| Same event | Doug Dewar, Spectra Energy | Short Term Hydrotechnical Risk Control Measures used During the Implementation of Watercourse Pipe Replacement Projects | |

*Interior BC (Kelowna) Section
Annual Report July 1, 2015 to June 30, 2016*

Section 1: General

Date of this report:

Prepared by: July 15, 2016

Section Director: Sumi Siddiqua

End of Section Director's Term: June 2018

Section's CGS web page address:

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

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

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

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Sumi Siddiqua, UBC- Okanagan

Past Chair: Dwayne Tannant, UBC- Okanagan

Vice Chair: Norm Williams (retired)

Secretary: Glen Rutherford, Golder Associates

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

Executive Committee Members: 3

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

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

Section 4: Section Finances (as of June 30, 2016):

Account balance \$ 9,000

Does your Section charge members an annual fee? No

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|---|---|--|-------------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| March 21, 2016 | Kelvin Ketchum, P.Eng. BC Hydro | An overview of BC Hydro's reservoir management | 18 |
| April 14, 2016 | Professor John Harrison (University of Toronto) | Principles of Reliability Based Design | 14 |

Section 6: Additional information or comments

The members of the section will meet in the fall and make plans for coming year.

Northern Alberta, Yukon and the NWT Section (GSE)
Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of this report: September 04, 2016

Prepared by: Seán Mac Eoin

Section Director: Seán Mac Eoin

End of Section Director's Term: 2017 (extended by one year)

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

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

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

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

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

President: Renato Macciotta (University of Alberta)

Vice President: Kim Askew (BGC Engineering)

Past President: Ken Froese (Thurber Engineering)

Treasurer: Alma Ornes (BGC Engineering)

Secretary: Delakshan Inparajah (AMEC)

Program Chairman: Patrick Mah (Advisian)

Registrar: Don Lewycky (City of Edmonton)

Members at Large: Murray Innes (Mobile Augers), Junwen Yang (AMEC), Allister MacIsaac (opSENS), Karan Jalota (Nilex)

University of Alberta Representative: Lijun Deng

NAIT Representative: Hilton Barnes

Student Liaison (UoA): Haley Schafer

Section Director: Seán Mac Eoin (AECOM)

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

Executive Committee Members: 15

Total members (if possible, student and non-student members): 242 (= 23 + 219)

Total CGS members (if possible student and non-student members): 115 active

Section 4: Section Finances (as of June 30, 2016):

Account balance \$31,967

Does your Section charge members an annual fee? Yes

Section 5: Section Activities, July 1, 2015 to June 30, 2016

| Date | Speaker/Other | Topic/Subject | Attendance |
|------------|---|---|------------|
| 29/09/2015 | Dr. Gordon Fenton, Dalhousie University | CCLT Lecture: Reliability-Based Geotechnical Design: Link Between Theory and Practice | 46 |
| 07/10/2015 | Annual Fall Wine & Cheese Event | Ahlan Abdulnabi - Prediction of Rainfall Runoff for Mine Waste Cover Systems Matthew Schafer - Instrumentation and Investigation of a Landslide in the Thompson River Valley | 52 |
| 05/11/2015 | Mr. Keith Cunningham, Senior Analyst, Ministry of the Economy, Government of Saskatchewan | Post-Closure Stewardship of Mine Sites – Saskatchewan's Institutional Control Program | 33 |
| 27/01/2016 | Mr. Craig Campbell, P.Eng., Thurber Engineering Ltd. | The New Royal Alberta Museum Building: What Lies Beneath – A Multilayered Remedial Approach | 51 |
| 05/04/2016 | GSE / University of Alberta | 14 th Annual Applied Geotechnical Engineering Design Contest: Reinforced Soil Wall | ca. 40 |
| 07/04/2016 | Dr. Oldrich Hungr & Dr. Matthias Jakob | GSE Symposium: Workshop: Debris Flow and Related Phenomena | 40 |
| 04/05/2016 | Dr. Antonio Gens, Technical University of Catalonia, Barcelona, Spain | CCLT Lecture: Stiff Clays and Mudstones: Fundamentals, Progressive Failure, and Underground Excavations | 53 |
| 16/05/2016 | Dr. Norbert Morgenstern, University of Alberta | GSE AGM and Lecture: The Mount Polley Tailings Storage Facility Breach | 99 |

Section 6: Additional information or comments

The GSE is considering webcasting events to other centres besides Fort McMurray.

Southern Alberta Section (Calgary Geotechnical Society)
Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of this report: July 15, 2016

Prepared by: Scott McKean

Section Director: Scott McKean, University of Calgary

End of Section Director's Term: June 1, 2017

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

Last time your Section's CGS web page was updated: August 2015 (needs to be updated, SHM to follow up)

If your Section has a separate website, please provide address: <http://www.cgygeosociety.org>

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

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Samir Hebib, Bauer Foundations Canada Inc.
 Past Chair: Daniel G. Bertrand, Amec Foster-Wheeler
 Vice Chair: Ertan Ozmen, Clifton Associates
 Treasurer: Daniel G. Bertrand, Amec Foster-Wheeler
 Venue: Leanne McLaren, E2K Engineering
 Announce: Mohamd Sltan, Kellam Berg Engineering
 Website: Dat Tran, Thurber Engineering Ltd.
 Website: Mauricio Pinheiro, Thurber Engineering Ltd.
 Student: Chee Wong, University of Calgary
 Members: Melissa Hernandez, Athar Khawaja, Jason Rhee, (Shell), Rahul Sharma, (Syncrude)

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

Executive Committee Members: 12
 Total members (if possible, student and non-student members): 193
 Total CGS members (if possible student and non-student members): 121
 Comments (point form)

- Verbally encourage companies and individuals to retain active membership in CGS at AGM (presented benefits)

Section 4: Section Finances (as of June 30, 2016):

Account balance \$12,059.55

Does your Section charge members an annual fee? **No**

Comments (point form)

- No plans to charge section membership at this time; however, balance is slowly dropping. May seek corporate sponsorship again in 2017/2018

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|---|---|------------------------|-------------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| 15/09/03 | Mr. P. Tabatabaei | Regular Series Lecture | ~30 |
| 15/09/30 | Dr. G. Fenton (Dalhousie University) | Fall 2015 CCLT | ~40 |
| 15/11/05 | Dr. M. Davachi (Amec Foster Wheeler) | Regular Series Lecture | ~50 |
| 15/12/03 | Dr. J. Chen (Klohn Crippen Berger Ltd.) | Regular Series Lecture | ~75 |
| 16/01/21 | Dr. M. Mohamadi (University of Calgary) | Regular Series Lecture | ~45 |
| 16/03/17 | Mr. A. Khawaja | Regular Series Lecture | ~40 |
| 16/04/14 | Dr. J. Henderson (DTM Geosciences Ltd.) | Regular Series Lecture | ~50 |
| 16/05/04 | Dr. A. Gens (Tech. University of Catalonia) | Spring 2016 CCLT | ~50 |
| 16/05/26 | Dr. M. Davachi (Amec Foster Wheeler) | AGM, Awards & Lecture | ~55 |

Section 6: Additional information or comments

Actively collaborating with National and the Vancouver section to organize Geohazards 2018 in Canmore, Alberta

Section 1: General

Name of CGS Section: Saskatoon Geotechnical Group

Date of report: August 14, 2016

Prepared by: Erik Ketilson

Section Director: Erik Ketilson

End of Term of Director: 2017

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

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

Section 2: Current Executive Committee members and their Affiliations (employers or, if students, universities)

| | |
|-------------------------------------|--|
| President | Chad Salewich, Cameco Corporation |
| Past President | Erik Ketilson, SRK Consulting (Canada) Ltd. |
| Vice President | Kyle Cator, Golder Associates Ltd. |
| Treasurer | Adam Hammerlindl, University of Saskatchewan |
| CGS Section Director | Erik Ketilson, SRK Consulting (Canada) Ltd. |
| U of S Liaison | David Elwood, University of Saskatchewan |
| Workshop Coordinator | Jon Osback, Clifton Associates Ltd. |
| Social Coordinator * Communications | Vanessa Pay, Golder Associates Ltd. |
| U of S Student Liason | Kyle Scale and Doyin Adesokan |

The SGG Executive met twice during the activity period.

Section 3: Number of members

Executive members: 9

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

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

Section 4: Finances

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

Does your Section charge its members an annual fee? Yes

If so, how much? \$30

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)? No

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

Section 5: Annual Conference / Board of Directors Meeting

Are you planning to attend the GeoVancouver 2016? I plan to, but have not yet received approval.

| Section 6. Activities | | | |
|------------------------------|---------------------------|--|------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| October 19, 2015 | Hari Mittal | Historical Instability of the Deilmann Tailings Management Facility at the Key Lake mine site. | ~35 |
| February 3, 2016 | Leon Botham | Perspectives on Mine Waste Management | ~35 |
| March 10, 2016 | David Elwood - Instructor | Workshop: Site Characterization and In-Situ Test Methods | 20 |
| April 7, 2016 | Laurent Gareau | Water Supply for a Greenfield Mine in West Africa | ~35 |
| May 3, 2016 | Dr. Gens – Spring CCLT | Progressive Failure in Overconsolidated Brittle Clays. Lessons from the Failure of a Tailings Dam. | ~30 |

Section 7: Additional information or comments

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

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

Section 1: General

Date of this report: 13 July 2016
 Prepared by: Harpreet Panesar
 Section Director: Harpreet Panesar
 End of Section Director's Term:
 Section's CGS web page address: http://cgs.ca/section_regina.php
 Last time your Section's CGS web page was updated: June 2016
 If your Section has a separate website, please provide address:
 Is there a link from your Section's website to the CGS website?

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Darrell Mihial, TetraTech
 Past Chair:
 Program Director(s): Ryan Kozun and Jasyn Henry, Clifton Associates Ltd
 Secretary: Anna Torgunrud, JD Mollard and Associates
 University Representative: Maki Ito, University of Regina
 Section Director: Harpreet Panesar, Ministry of Highways and Infrastructure
 Communications Director: Heather Duncan, Clifton Associates Ltd
 (Add others as necessary)

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

Executive Committee Members: 7
 Total members (if possible, student and non-student members): 25+
 Total CGS members (if possible student and non-student members): 15+

Section 4: Section Finances (as of June 30, 2016):

Account balance \$ 41,338
 Does your Section charge members an annual fee? No

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|---|------------------------|--|-------------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| Sep 28, 2015 | Dr. Gordon Fenton | Reliability-Based Geotechnical Design: Link between Theory and Practice | 48 |
| Feb 24, 2016 | Dr. Hamid Soleymani | Characterization of Subgrade and Unbound Granular Materials for Flexible Pavements - Evolutions and Future Challenges | 27 |
| Mar 16, 2016 | Dr. Gilberto Alexandre | Relationship among creep, secondary consolidation and stress relaxation using a simple viscous model and incorporating the effects of the rigidity of the testing system | 18 |
| Jun 06, 2016 | Jim Whalen | Introduction to EPS Geofoam | 35 |

Manitoba Section
Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of this report: July 19, 2016

Prepared by: Kendall Thiessen

Section Director: Kendall Thiessen

End of Section Director's Term: 2016

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

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

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

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Wingkeat Wong (Amec Foster Wheeler)

Past Chair: Neil Privat (KGS Group)

Treasure: Steven Harms (Trek Geotechnical)

Secretary: Jason Plohman (SNC Lavalin)

Program Director: David Anderson (KGS Group)

Membership/Assistant Program Director: Arjan Jianfar (Hatch)

Student Liaison: Earl Marvin DeGuzeman (U of M)

Special Events: David Flynn (KGS Group)

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

Executive Committee Members: 8

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

Total CGS members (if possible student and non-student members): 35 as of February 2016

Section 4: Section Finances (as of June 30, 2016):

Account balance \$58,385

Does your Section charge members an annual fee? No

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|---|---|---|-------------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| 14-Sep-15 | Dr. Gordon Fenton - Dalhousie University(Fall CCLT) | On a Unified Theory for Reliability-Based Geotechnical Design | 32 |
| 26-Nov-15 | Ken Skaffeld M.Sc., P.Eng. – Trek Geotechnical | Experience As A Guide To Geotechnical Practice In Winnipeg | 62 |
| 17-Dec-15 | James Wilson M.Sc., P.Eng. – Hatch | GIS & Geotechnical Techniques in Rail Route Selection | 36 |
| 02-Feb -16 | Zeyad Shukri M.Sc., P.Eng. - AECOM | Plessis Road Underpass – Geotechnical Overview | 32 |
| 23 –Mar -16 | George Piscsalko – Pile Dynamics Inc | Webinar - Quality Control of Augered Cast-In-Place/Continuous Flight Auger Piles | 23 |
| 02-May -16 | Dr. Antonio Gens – U of Catalonia | Progressive failure in overconsolidated brittle clays. Lessons from the failure of a tailings dam | 34 |
| 09-Jun-16 | Golf Tournament | | 36 |

Section 6: Additional information or comments

This is the first time that our section hosted a “webinar.” Turnout was less than we would normally have for a short course or regular technical talk. However, as a low-cost, low-effort event, that was relevant to a substantial segment of our constituency, it served our mandate as a Society and is something we will consider doing again in the future.

Thunder Bay Section Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Name of CGS Section: Thunder Bay
Date of report: 2016-07-14
Prepared by: Wesley Saunders
Section Director: Wesley Saunders
End of Term: 2018
CGS website address: http://www.cgs.ca/section_thunder_bay.php
Last time your Section's CGS website was updated: 2014
If the Section has a separate website, please provide address: No
Is there a link to the CGS website? N/A

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

Chair: Wesley Saunders
Past Chair: Dr. Eltayeb Mohamedelhassan
Vice Chair: vacant
Secretary: vacant
Treasurer: Robert Moen
Add others (as necessary)

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

Executive members: Wesley Saunders, Dr. Eltayeb Mohamedelhassan
Total members (if possible, student and non-student members): 8
Total CGS members (if possible student and non-student members): 10
Comments (point form)

- Target to identify more members for year-end report

Section 4: Section Finances (as of June 30, 2016):

Account balance \$222.47
 Does your Section charge members an annual fee? NO

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|---|---------------|---------------|------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| 2016-04-29 | Dr. Gens | CCLT | 13 |

Sudbury Section
Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of this report: July 15, 2016
 Prepared by: Andre Bom
 Section Director: Andre Bom
 End of Section Director's Term: End of 2017
 Section's CGS web page address:
 Last time your Section's CGS web page was updated: Early 2016 by CGS HQ
 If your Section has a separate website, please provide address: No
 Is there a link from your Section's website to the CGS website?

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Andre Bom
 Past Chair: N/A
 Vice Chair: N/A
 Secretary: N/A
 (Add others as necessary)
 Treasurer Adam Core

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

Executive Committee Members: 2
 Total members (if possible, student and non-student members): 17

Section 4: Section Finances (as of June 30, 2016):

Account balance \$ 130
 Does your Section charge members an annual fee? No

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|---|---------------|---|------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| Dec 4/15 | N/A | Meeting to rejuvenate the Sudbury Section | 3 |
| April 14/16 | Andre Bom | Meeting at local restaurant relaunching the Sudbury Section | ~15 |

London Section
Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Name of CGS Section: London

Date of report: July 27, 2016

Prepared by: Andrew Stewart

Section Director: Andrew Stewart

End of Term: 2018

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

Last time your Section's CGS website was updated: late 2014 (as far as I am aware of).

If the Section has a separate website, please provide address: <http://www.csce-cgs-london.org/>

Is there a link to the CGS website? Yes

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Trisha Wilbur, University of Western Ontario

Past Chair: Tom Mara, The Boundary Layer Wind Tunnel Laboratory

Vice Chair: Stephanie Dalo, AECOM

Secretary: Brent Visscher, Dillon Consulting Ltd.

Treasurer: Grant Strachan, AECON

Vice-treasurer: John Gawley, Dillon Consulting Ltd.

Communications: Azmi Hammoud, Professor at Fanshawe College.

CGS Representative: Andrew Stewart, Englobe

CSCE Representative: Tucker Morton

CSCE Ontario Region Treasurer: Andy Turnbull, MTO

2016 CSCE Conference Liaison: Mike Bartlett, University of Western Ontario

City Representative: Paul Choma, City of London

Sponsorship Representative: Stephanie Dalo, AECOM

Young Professionals Representative: Stephanie Dalo

Events Coordinator: Stephanie Dalo, AECOM

Faculty Representative: Jon Southen, University of Western Ontario

Graduate Student Representative: Leanna King, Liaho Zhang, University of Western Ontario

Section 3: Number of Section Members

Executive members: 15

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

Total CGS members (if possible student and non-student members): 41 active

Section 4: Finances

As of (March 23, 2016): \$ 1164.18. I am currently waiting on an update of finances from treasurer Grant Strachan

Does your Section charge its members an annual fee? No

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

Is your Section sponsoring a Student/MIT to attend GeoVancouver 2016 (Admin Manual App 12)? Probably not will ask next meeting in September.

| Section 5: Activities | | | |
|----------------------------------|---|--|-------------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| September 23 rd 2015 | John Dickenson, Ph.D., P.Eng. Advanced BIM Solutions Inc. | Nature and potential of Building Information Modeling (BIM) | 15-20 |
| October 21 st , 2015 | Dino Vito, M.A.Sc., P.Eng.; EBS Geostructural | Design-Build of Deep Foundation Services (Helical Piles and Micro Piles). | 20-25 |
| November 25 th , 2015 | Faouzi Ghrib, Ph.D., P.Eng.; University of Windsor | Modern Tools for Health Monitoring of Structures. | 15-20 |
| January 20 th , 2016 | Marc Gelinas, P.Eng.; Hatch Mott Macdonald | Micro Tunnelling Establishes itself in Ontario. | 45-55 |
| February 18, 2016 | CSCE-CGS and CEO London District co-hosted social night | YP Professionals' Social Night pool tables and light food at Palasad (bowling hall/night club) | 22 |
| February 24, 2016 | Storer Boone, P. Eng.; Golder Associates Ltd. | Failure of a cofferdam | 31 |
| March 23, 2016 | Megan Janes and Brendan Kaus Dustin Brown and Natalie Connell | Western University Civil and Environmental Engineering Capstone Design Project Winners | 25 |
| April 20 2016 | Brad Craig, P. Eng.; Dillon Consulting Ltd.; Jeff Giroux, P.Eng.; MTO | Top Down Construction of the LRT Overhead Bridge | 32 |
| May 26, 2016 | WEAO, CSCE-CGS and CEO London District co-hosted social night | YP Professionals' Social Night pool tables and light food at Palasad (bowling hall/night club) | 25-30 |
| June 1 to June 4 | CSCE 2016 National Conference | Very well attended and hosted conference with many volunteers from our local section. | TBD |

Section 7: Additional general information or comments

The London Section also sponsors and/or supports a number of University of Western Ontario student activities such as student awards, concrete toboggan, concrete canoe, polar stick competition. Our Section has traditionally been financially self-sustained by the money generated from the dinner meetings. Last year, we started receiving sponsorship money from different companies in London. Our chapter decided to hold off on requests for corporate sponsorships for this year and plan on asking for corporate sponsorships from local business next year and plan on continuing to ask for corporate sponsorship on a bi-yearly basis. Some of our executive members volunteered and were actively involved in the planning process for the well attended 2016 CSCE National Conference to be held in London on June 1 to June 4.

Southern Ontario Section (Toronto Group) ***Annual Report July 1, 2015 to June 30, 2016***

Section 1: General

Date of this report: July 2016

Prepared by: Andrew Drevininkas

Section Director: Andrew Drevininkas

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

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

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

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

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

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Mark Tigchelaar

Past Chair: René Laprade

Vice Chair: n/a

Secretary: Jason Crowder

Add others (as necessary)

| | |
|-------------------|--------------------|
| Treasurer | Andrew DeSira |
| Communication | Tomasz Zalucki |
| Membership | Masoud Manzari |
| Student Liaison | Rashid Bashir |
| CGS-SOS Awards | Frank Hu |
| Event Coordinator | Harry Gharegrat |
| Event Coordinator | Archie Sirati |
| Event Coordinator | Shahriar Mirmirani |
| Website | Jason Crowder |

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

Executive Committee Members: 13

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

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

Section 4: Section Finances (as of June 30, 2016):

Account balance \$41,773

Does your Section charge members an annual fee? No

Section 5: Section Activities, July 1, 2015 to June 30, 2016

| Date | Speaker/Other | Topic/Subject | Attendance |
|----------------|---|--|------------|
| 14 Aug 2015 | Golf Tournament | 7 th Annual Golf Tournament | 88 |
| 15 Sept 2015 | Dr. Gordon Fenton (CCLT) | Reliability Based Geotechnical Design: Link Between Theory and Practice | 98 |
| 28 Oct 2015 | Dr. Mori H. Mortazavi | Ground Water in Geotechnical Engineering, Construction Dewatering and Permanent Drainage | 120 |
| 16 Nov 2015 | Peter Ojala | Design of Underground Structures from the Structural Point of View | 122 |
| 2 Dec 2015 | Michael J. Marasa | Investigation and Treatment of Swallowhole Aka: Sinkhole Remediation at the National Corvette Museum | 149 |
| 20 Jan 2016 | Graduate Students | Graduate Student Competition | 77 |
| 16-17 Feb 2016 | John Atkinson Mark Diederichs K.Y.Lo Silvana Micic | Soil to Rock – Fundamentals to Advanced | 90 |
| 24 March 2016 | Brian Garrod | Niagara Tunnel Project | 118 |
| 28 April 2016 | Antonio Gens | Controlling Tunnelling-Induced Ground Movements: The Barcelona Metro Case | 108 |
| 19 May 2016 | Kord J. Wissmann | Differentiation from the Dark Side | 239 |

Section 6: Additional information or comments

3rd Annual Settlement Prediction Competition carried out in December 2015.

Provided undergraduate student scholarships to Western, Waterloo, McMaster and Ryerson Universities

Provided graduate student awards to presenters from Western, Waterloo, McMaster, Ryerson and Toronto Universities

Presented 12th annual CGS-SOS Award to Brian Isherwood

Kingston Section
Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of this report: July 15, 2016
 Prepared by: Dylan Hill, Shane Dunstan
 Section Director: Dylan Hill
 End of Section Director's Term: 2019
 Section's CGS web page address: http://www.cgs.ca/section_kingston.php
 Last time your Section's CGS web page was updated: 2016
 If your Section has a separate website, please provide address: n/a

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Dylan Hill, SNC-Lavalin
 Past Chair: Nicholas Vlachopoulos, RMC
 Vice Chair: Vacant
 Secretary: Vacant
 Treasurer: Maria Skordaki, RMC
 Shane Dunstan, GHD
 Steven Rose, Malroz Engineering
 Martin Burger, Groundwork Engineering Limited
 Ioannis Vazaios, Queen's University
 Jane Peter, Queen's University
 Jean-Marc LeBlanc, Queen's University

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

Executive Committee Members: 9
 Total members (if possible, student and non-student members): 109
 Total CGS members (if possible student and non-student members): 45

Section 4: Section Finances (as of June 30, 2016):

Account balance \$14,275
 Does your Section charge members an annual fee? No
 Comments (point form)
 • Funds raised through corporate sponsorships

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|---|---|---|------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| September 18, 2015 | Dr. Gordon Fenton | Fall CCLT – Reliability-Based Geotechnical Design | 14 |
| November 6, 2015 | Brad Simser, Mine Design Engineering | Dynamic Support for Deep Hard Rock Mining | 20 |
| March 2, 2016 | 40 th Annual Michael Bozozuk Student Forum (Paper Competition) | Queen's and RMC student sponsored by local section to attend forum in Ottawa; exec. member volunteered as judge for competition | 25 |
| March 23, 2016 | Dylan Hill, Shane Dunstan | Practical Aspects of Geotechnical Investigations, presented to Canadian Forces Engineering Support Unit | 30 |

| | | | |
|--------------|---|--|----|
| May 18, 2016 | Peter S. Cartwright | 2016 NGWA McElhiney Lecture - Groundwater Contaminants and Treatment Technologies | 25 |
| May 26, 2016 | Site Visit: Embankment Pre-Loading, Kingston ON | Site visit to observe installation of wick drains and geotechnical instrumentation for railway overpass embankment | 15 |

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 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 current Section Chair and Past Chair attended the 2015 Canadian Geotechnical Conference, GeoQuebec. The Section sponsored graduate student Ms. Afaf Moumin to attend GeoQuebec in the fall of 2015.

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

Section 1: General

Date of this report: July 13, 2016

Prepared by: Mohammad Rayhani

Section Director: Paul Simms

End of Section Director's Term: July 2016

Section's CGS web page address: www.ottawageotechnicalgroup.com

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

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

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

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Julio A.I. Sedano, University of Ottawa

Past Chair: Paul Simms, Carleton University

Vice Chair: TBD

Secretary: Bruce Campbell, EFI Global

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

Executive Committee Members: Nell van Walsum, BluMetric Environmental, Sean Sterling, Geofirma Engineering, Clive Kamichaitis, Public Works and Government Services Canada, Mamadou Fall, University of Ottawa

Advisor: Gerry Webb

CGS Section Director: Mohammad Rayhani, Carleton University

Total members: 100

Section 4: Section Finances (as of June 30, 2016):

Account balance \$5000 plus investments of \$15,000

Does your Section charge members an annual fee?

If so, how much? \$20

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|---|---------------|---------------|------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| Oct 2015 | | The Fall CCLT | 60 |

| | | | |
|------------|--------------|--|----|
| Dec 2015 | Mario Ruel | The cote noRd railway | |
| Jan. 2016 | | Underground excavation | 55 |
| Feb. 2016 | Dick Jackson | Shale Gas | 45 |
| March 2016 | | Student completion between Carleton, U Ottawa, Queen's and RMC | |
| April 2016 | Dr. Gens | 2016 Spring CCLT | 60 |
| May 2016 | | OGG Annual banquet | 55 |

Section régionale 'Ouest du Québec
Rapport Annuel 1 juillet 2015 au 30 juin 2016

Section 1: General

Date of this report: July 27 2016

Prepared by: Yannic Ethier

Section Director: Yannic Ethier

End of Section Director's Term: December 2018

Section's CGS web page address: http://www.cgs.ca/section_western_quebec.php?lang=fr

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

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

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair : Judith Bouchard (Hydro-Québec)
Vice-Chair: François Duhaime (École de technologie supérieure)
Director: Yannic Ethier (École de technologie supérieure)
Treasurer: Alain Plaisant (GHD)
Administration: Philippe Legault-Capozio (NCL Envirotek)
Secretary: Geneviève Lessard (Sobek Technologies Inc.)
Program: Bibiana Narvaez (Ministère des Transports du Québec)
Communications: Dany Brault (GHD)
Student member: Gholamreza Saghaee (McGill)
Student member: Simon-Pierre Tremblay (Sherbrooke University)

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

Executive Committee Members: 10

Total members (if possible, student and non-student members): 90 members (including 5 student members)

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

Comments (point form)

- A small financial contribution is requested from members in order to cover the costs of guest speakers and related expenses.
- Several members of the local section are also members of the Canadian Geotechnical Society.
- As in past years, Hydro-Quebec generously supports the local organization by providing a conference room for most activities

Section 4: Section Finances (as of June 30, 2016):

Account balance 25,428.91\$

Does your Section charge members an annual fee? Yes

Individual Member : 40,00 \$

Student Member : 0 \$

Corporate Member (5 à 9 inscriptions): 35,00 \$/ person
 Corporate Member (10 à 20 inscriptions): 30,00 \$/ person
 Corporate Member (more than 20 inscriptions): 25,00 \$/ person

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|---|---|--|-------------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| 3 août | Steve Macklin, GHD | Three tunnel failure case studies – lessons learned | 30 |
| 16 septembre | Gordon Fenton, Dalhousie University | CCLT - On a unified theory for reliability-based geotechnical design | 40 |
| 8 octobre | Catrin Bryan, McMillen Jacobs Associates | Carmen-Smith – dam safety, flooding, decision making and lost control | 50 |
| 15 décembre | Mohammed Chekired et Mourad Karray, IREQ and UdeS | Développement d'un simulateur sismique – Une nouvelle perspective pour l'étude du comportement sismique des sols | 50 |
| 28 janvier | François Duhaime, ÉTS | Réalisation et interprétation des essais de perméabilité in situ dans les sols peu perméables | 40 |
| 23 février | Keyvan Maleki, Hydro-Québec | Analyse structurale d'un barrage circulaire construit dans un massif argileux | 50 |
| 30 mars | Concours Branko Ladanyi (Student presentations) | Winner : Ahmed Mhenni (Université de Sherbrooke) | 30 |
| 27 avril | Antonio Gens, Université Polytechnique de Catalogne | CCLT - Unsaturated soil mechanics: fundamentals and applications | 50 |
| 25 mai | Denise Leahy, SNC-Lavalin | Stabilité des digues et barrages - Les règles de l'art, la modélisation, la pratique, la réglementation | 50 |
| 16 juin | Robert Chapuis, École Polytechnique de Montréal | Extraire l'information des courbes granulométriques | 100 |

Section 6: Additional information or comments

Thanks to Judith Bouchard, Alain Plaisant and François Duhaime for their help in collecting all information.

Section régionale Est-du-Québec Rapport Annuel 1 juillet 2015 au 30 juin 2016

Section 1: Généralités

Date du rapport: 11 juillet 2016

Préparé par : Ariane Locat

Directeur régional: Ariane Locat

Fin du terme du directeur: 2018

Site web de la section: http://www.cgs.ca/section_east_quebec.php,

Dernière mise à jour: Janvier 2016

Section 2: Membres actuels de l'exécutif et leur employeur, si étudiants, leur université

Présidente: Janelle Potvin, Ministère des Transports, de la Mobilité durable et de l'Électrification des transports du Québec (MTMDET)

Directeur: Ariane Locat, Université Laval

Secrétaire: Julie Therrien, MTMDET

Trésoriers: Alexis Fortin and Pascal Locat, MTMDET

Membres: Kamel Hamouche, Inspecsol,
 Olivier Juneau, LEQ,
 Jean-François St-Laurent, WSP,
 Jean Côté, Université Laval,
 Simon Malenfant, MTMDT
 Vincent Castonguay, Université Laval,
 Sarah Bouchard, Université Laval,
 Valérie Michaud, SNC-Lavalin
 Maxine Lacroix, Englobe
 Catherine Cloutier, Université Laval

Section 3: Nombre de membre (en date du 30 juin 2016)

Membres de l'exécutif: 15

Membres total (si possible, étudiants et non étudiants): 150

Membre de la SCG (si possible, étudiants et non étudiants): 50 (incluant 10 étudiants)

Section 4: Finances (en date du 30 juin 2016)

Le budget annuel est d'environ 5 83,81 \$. Les fonds proviennent principalement des revenus générés par la conférence canadienne de géotechnique, quelques cours, autres conférences de moindres envergures tenues depuis 2004 et au programme de commandite corporative implanté en 2013. Les dépenses de la Section sont principalement engendrées par les bourses que nous offrons, les montants compensatoires que nous remettons aux conférenciers invités et par la location de salles pour certaines de nos conférences.

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

Commentaires:

- Bilan de GEOQuébec 2015 (2013-2015) :
 - Profit total de : 134 623,96 \$
 - Partage des profits :
 - CNC/IPA 26 924,58 \$
 - CGS National : 53 849,58 \$
 - Profit résiduel pour la section locale après partage : 53 849,58 \$

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|--|--|---|------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| 20-23 sept. 2015 | GEOQuebec2015 | Des défis du nord au sud | 870 |
| 14 oct. 2015 | Michel Aubertin, professeur École Polytechnique de Montréal | Principaux défis géotechniques liés aux sites d'entreposage des rejets miniers | 40 |
| 15 déc. 2015 | Simon Dumais, Ulaval Sarah Bouchard, Ulaval Vincent Castonguay, Ulaval | Conférences des boursiers 2015 | 25 |
| 17 féb. 2016 | Andy Take, Queen's University | Blimps, drones, image analysis, piezometers and cpt tests: the search for field evidence of progressive failure of an episodically retrogressive sensitive clay slope at mud creek, Ottawa | 45 |
| 24 mars 2016 | Eric Blond, SAGEOS | Les systèmes d'étanchéité par géomembranes: principes de dimensionnement et assurance qualité | 43 |
| 26 avril 2016 | CCLT : Antonio Gens | Unsaturated soil mechanics: fundamentals | 25 |

| | | | |
|-------------|--|--|----|
| | | And applications | |
| 18 mai 2016 | Mourrad Karray, université de Sherbrooke | Simulateur sismique txss – développement d’une nouvelle perspective pour l’étude du comportement sismique des sols | 15 |
| 8 juin 2016 | 5 à 7 Reconnaissance | Prix attribués à un étudiant méritant et à un membre honorable de notre section | 30 |

Cette année a eu lieu la conférence GEOQuébec 2015 dont l’organisation a mobilisé un grand nombre des membres de la Section. Le nombre d’activités de l’automne a donc été réduit par rapport aux années précédentes. Les conférences sont diffusées via le web dans la ville de Saguenay et à Baie Comeau. La popularité de cette mesure nous permet de croire que nous pourrions offrir ce service à d’autres villes.

Section 6: Informations additionnelles et commentaires

Ariane Locat de l’université Laval est la nouvelle directrice de la Section depuis janvier 2016.

Le Comité organisateur de GÉOQuébec 2015 est extrêmement fier du grand succès de la Conférence nationale de la SCG à Québec en septembre 2015. La 68^e Conférence canadienne de géotechnique était tenue conjointement avec la 7^e Conférence canadienne du pergélisol. Un total de 870 participants du Canada, mais aussi de partout ailleurs dans le monde sont venus à Québec pour y assister. Le succès a été attesté par de nombreux commentaires exprimés sur place et aussi après l’évènement. Un bilan financier très positif et un rapport final ont été déposés à la SCG. Ils donnent tous les détails de l’évènement.

New Brunswick Section Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of this report: July 6, 2016

Prepared by: Benjamin McGuigan

Section Director: Benjamin McGuigan

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

Section's CGS web page address: http://www.cgs.ca/section_new_brunswick.php n/a

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

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Benjamin McGuigan (GEMTEC Limited, Fredericton)

Past Chair: Hanny El Naggat (formally University of New Brunswick, Fredericton; currently Dalhousie University, Halifax)

Vice Chair: Christopher McQueen (Stantec, Moncton)

Secretary: Christiane Levesque (Measurand Inc., Fredericton)

Treasurer: Rochelle Staples (Stantec, Saint John)

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

Executive Committee Members: 4

Total members (if possible, student and non-student members): 22

Total CGS members (if possible student and non-student members): 22

Comments (point form)

- We have more than doubled our membership in the last year. We will continue to seek to grow our membership in the coming year.

Section 4: Section Finances (as of June 30, 2016):

Account balance \$ 580.09
 Does your Section charge members an annual fee? No

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|---|---|---|------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| Sept. 25, 2015 | Gordon Fenton (Dalhousie University) Lecture location: Moncton, NB | CCLT - Reliability-Based Geotechnical Design in the 2014 CHBDC | 25 |
| May 12, 2016 | Paul Deering (Stantec) Lecture location: Fredericton, NB | Rock Slope Assessment and Remediation of AMTRAK Line MP90.1, Lancaster County, PA | 23 |

Nova Scotia Section
Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of this report: July 15, 2016
 Prepared by: James Mitchell
 Section Director: James Mitchell
 End of Section Director's Term: December, 2016
 Section's CGS web page address: http://cgs.ca/section_nova_scotia.php
 Last time your Section's CGS web page was updated: Spring, 2016
 If your Section has a separate website, please provide address: Currently under construction
 Is there a link from your Section's website to the CGS website? There will be

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: James Mitchell (Stantec Consulting Ltd., Dartmouth)
 Past Chair: Tony Urquhart (Emera Newfoundland & Labrador, Halifax)
 Vice Chair: Tony Urquhart (Emera Newfoundland & Labrador, Halifax)
 Secretary: Scott Munro (BGC Engineering Inc., Halifax)
 Member at Large: Sheri Burton (Golder Associates Ltd., Dartmouth)
 Member at Large: Ilia Wainshtein (AMEC Foster Wheeler, Dartmouth)

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

Executive Committee Members: 5
 Total members (if possible, student and non-student members): 45
 Total CGS members (if possible student and non-student members): 28

Section 4: Section Finances (as of June 30, 2016):

Account balance \$20,949.54
 Does your Section charge members an annual fee? No

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|---|-------------------|--|------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| 09/14/2015 | Alex Campbell | Social Mixer/Finite-Element Modelling of Pipe-Soil Interaction | 25 |
| 10/05/2015 | Dr. Gordon Fenton | Fall CCLT: Reliability-Based Geotechnical Design in the 2014 Canadian Highway Bridge Design Code | 43 |
| 04/25/2016 | Dr. Antonio Gens | The Failure and Reconstruction of a Quay Founded on Soft Ground: A Case History | 25 |

Section 6: Additional information or comments

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

St John's NL Section
Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of this report: July 13, 2016

Prepared by: Sylvia Dooley

Section Director: Sylvia Dooley

End of Section Director's Term: December 2017

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

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

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

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Sylvia Dooley

Past Chair: Janet Williams

Vice Chair: n/a

Secretary: n/a

Treasurer: Ken Chi

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

Executive Committee Members: 2

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

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

Comments (point form)

- Approximately 65 names on email list, fewer than 10 have attended any CGS section event since 2014. Events predominately attended by students and C-CORE employees.

Section 4: Section Finances (as of June 30, 2016):

Account balance \$ 229.29

Does your Section charge members an annual fee? no

| Section 5: Section Activities, July 1, 2015 to June 30, 2016 | | | |
|---|--|--|-------------------|
| Date | Speaker/Other | Topic/Subject | Attendance |
| Oct 30, 2015 | Dr. Gordon Fenton | Cross Canada Lecture Tour | 16 |
| Dec 1, 2015 | Mike Jefferies | Critical State Soil Mechanics – A history of the parameter and its current use | 14 |
| Feb 4, 2016 | Society of Underwater Technology International Webinar | Offshore Examples of Geotechnical Centrifuge Testing | 18 |
| May 12, 2016 | Student Presentations | Student presentations, selection of candidate to sponsor for GeoVancouver. | 10 |

Section 6: Additional information or comments

The CCLT was our best attended event in terms of participation of members from outside of C-CORE and MUN. There is ongoing difficulty in finding events that will attract more of our members, and to solicit feedback from our members on what events they would find interesting/useful.

TECHNICAL DIVISION REPORTS

Technical Divisions Representative Summary Annual Report – Richard Brackman July 1, 2015 to June 30, 2016

General

Date of report: September 16, 2015

End of Term: December 31, 2017

Reports

Number of divisions that reported: 7

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

Web pages

How many division web pages on CGS website require updates? 6

How many divisions have their own websites? 1

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

Finances

How many divisions report their finances? 6

General comments about finances: Two divisions with balances Cold Regions (\$13.3k), Engineering Geology (\$8.8k)

Division affiliations with other organizations

General comments about membership and activities: All Divisions active.

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

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

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

Additional information or comments

Divisions are active and strong. A noteworthy increase in first choice members of Cold Regions (nearly doubling from previous year). Expression of gratitude to all division chairs.

Cold Regions Geotechnology Division
Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of report: July 15, 2016

Prepared by: Baolin Wang

Division Chair: Baolin Wang

End of Term of Chair: Dec. 31, 2016

CGS website address: http://cgs.ca/division_cold_regions.php?lang=en

Last time your Division's CGS web page was updated: Jan. 28, 2016

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

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

The Cold Regions Geotechnology Division (CRGD) of the CGS continues to move forward with initiatives aimed at increasing the visibility of the division. It is our mandate to promote and facilitate the advancement, exchange and transfer of knowledge, skills and experience in the field of Cold Regions Geotechnology for the benefit of division members and the profession.

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

- Assist BNQ on development of the Canadian national standards on *Geotechnical Site Investigations for Building Foundations in Permafrost Zones*.
- Sponsor a young researcher to attend cYGEGC2016 (Canadian Young Geotechnical Engineers & Geoscientists Conference 2016, Whistler, BC).
- Sponsor an International short course on permafrost engineering, Edmonton, AB.

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

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

Past Chair: Lukas Arenson, BGC Engineering Inc., Vancouver, BC

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

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

Jean Côté – Laval University, Québec, QC

Ed Hoeve – EBA Engineering Consultants Ltd., Yellowknife, NT

Julie Lepage, Université Laval, Québec City, QC

Maritz Rykaart, SRK Consulting, Vancouver, BC

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

Executive Committee Members: 8

1st Choice members: 156

2nd Choice members: 228

Comments:

- The Division's membership has had a significant increase this year compared to the previous years (66, 71, 87 and 156 first choice members for 2013, 2014, 2015 and 2016 respectively). The total first choice members almost doubled this year. The second choice membership maintained at the similar level to the previous years. The regional distribution of the first choice members are: AB=33, BC=18, MB=19, NB=3; NL=3, NS=1, NT=5, ON=33, QC=21, SK=3, YT=5, International=11.

Section 4: Division is affiliated with which other organizations

National affiliates and names of CGS representatives (list)

- Canadian National Chapter for International Permafrost Association (CNC-IPA), represented by Ed Hoeve on the Executive Committee of CNC-IPA who is also an Executive member of the Cold Regions Geotechnology Division (CRGD). An agreement was signed between CNC-IPA and CRGD in 2016 for improved collaboration between the two organizations.

North American affiliates and names of CGS representatives (list)

- Nil
- International affiliates and names of CGS representatives (list)
- International Permafrost Association, represented by Lukas Arenson, Richard Fortier on Permafrost Engineering Interest Group; Lukas Arenson on the International Scientific Committee for the XI International Conference on Permafrost (ICOP 2016), 20-24 June 2016, Potsdam, Germany.

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

Account Balance: \$13,276

Comments (point form):

- \$500 sponsorship was issued to support a young researcher to attend ICOP 2016.
- \$500 sponsorship to be issued to support a young researcher to attend cYGEGC2016.

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

- The Division provided strong support to the 68th CGS Conference and the 7th Canadian Permafrost Conference, Québec City, QC, Sept. 20 - 23, 2015. The Division actively participated in contacting the potential authors for contribution to the conference. A total of 289 abstracts and 156 manuscripts were received in permafrost science and cold regions engineering. The Division actively participated in the review of the abstracts and the manuscripts.
- The Division is participating in the development of a National Standards of Canada on Geotechnical Site Investigations for Building Foundations in Permafrost (CAN/BNQ 2501-500) lead by BNQ, an initiative of the Standard Council of Canada. The document is planned to be published in 2017. The Division's Executive Committee members (Lukas Arenson and Baolin Wang) are on board of the Technical Committee for the development of the Standards (with Arenson leading a working group for drafting the Standards). The Division members are particularly invited to provide input to the draft version of the Standards.
- The Division sponsored a young engineer/scientist/student to attend the XI International Conference on Permafrost (ICOP 2016), Potsdam, Germany, June 20-24, 2016. A total of eight applications were received and Eva Stephani, formerly Laval University and Golder Associates, won the sponsorship award.
- The Division is currently working on sponsoring a young engineer/scientist/student to attend the 5th Canadian Young Geotechnical Engineers & Geoscientists Conference, Whistler, BC, September 29 – October 1, 2016. Five applications were received. Simon Dumais, Ph.D candidate at Laval University has been selected for the sponsorship award..
- The Division sponsored an International Short Course on Permafrost Engineering, Edmonton, AB, Apr. 28 – May 3, 2016. The Short Course was very successful and well attended by 33 participants.
- Members of the division organised and chaired several sessions at the XI International Conference on Permafrost (ICOP 2016), Potsdam, Germany, June 20-24, 2016.

Engineering Geology Division
Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of report: 15 July 2016

Prepared by: Nicholas Vlachopoulos

Division Chair: Nicholas Vlachopoulos

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

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

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

If your Division has a separate website please provide address: n/a

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

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

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

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

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

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

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

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

Vice Chair: Stephen Butt, Memorial University of Newfoundland

Secretary: n/a

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

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

Executive Committee Members: 7

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

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

Comments (point form)

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

Section 4: Division is affiliated with which other organizations (Admin Manual Section 6 and App 10 and 26)

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

Comments

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

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

Account Balance: \$8,836.00.

Comments (point form)

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

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

- Dr. Stephen Butt from the Memorial University of Newfoundland is now the Vice Chair of the EGD
- Dr. Renato Macciotta, joined the executive committee of the EGD as an Alberta Representative.
- Dr. Mark Diederichs was awarded the Thomas Roy Award for 2015 at the CGS annual conference in Quebec City in September 2015. Dr. Mark Diederichs has made major contributions to engineering geology. His work primarily involves the rock mechanics and geomechanics involved in underground mining and construction. He is considered internationally as one of Canada's most highly recognized and respected tunnelling and modelling experts. More information concerning Dr. Mark Diederichs can be located here: <http://www.queensu.ca/geol/diederichs>
- EGD provided multiple nominations and decided on a winner of the 2016 Thomas Roy Award
- Increased collaboration with the Rock Mechanics Division included hosting joint sessions at the CGS Annual Conference in Quebec City. The Past Chair of Engineering Geology Division (Doug Stead) commenced his new role as Vice President (North America) of the International Society of Rock Mechanics at the ISRM Congress in Montreal for the period 2015-19.
- Increased collaboration with the CGS Landslides Committee. The Past Chair of the EGD was a member of the 2015 Schuster Medal selection committee. The Schuster medal was presented by Dr. Schuster to Dr. Davide Cruden at the 2015 CGS conference in Quebec City. There was a decision by the former Landslides (now Geohazards) committee for the 2016 Schuster medal to be awarded to a Canadian.
- EGD provided a nomination and voted on a winner of the 2016 Shuster Award
- During the EGD Executive meeting at GCS Conference in Quebec City initial plans were discussed for:
 - a 1-day Engineering Geology in Canada symposium or short course to be held in conjunction with CGS GeoVancouver in 2016, It was intended that this involve representatives from Canadian Geological Engineering programs and industry leaders in Engineering Geology. Initial discussions undertaken with the Vancouver organising committee to hold this meeting.
 - Notification was given by the GeoVancouver organizing committee that this symposium would not be held at GeoVancouver. It is the intent of the Engineering Geology Division to keep pursuing this option for GeoVancouver or to approach the GeoOttawa organizing committee in order to consider for inclusion at the CGS conference in 2017.
 - An Engineering Geology in Canada Monograph was proposed. This initiative will be led by the current EGD Chair, Nicholas Vlachopoulos.
- Publishers have been approached in order to determine the cost of a monograph. BiTech quote was 200 pages, black and white throughout, soft cover, 200 copies; The production costs would be between \$9,000.00 and \$11,000.00 and the printing costs between \$7,000.00 and \$8,000.00. Currently, the EGD does not have the funding to fully support this initiative.
- It has been proposed to have a joint session with the Professional Practices Committee at GeoVancouver that will include relevant speakers within EGD and within practice. This is being developed by EDG Chair and Suzanne Powell in conjunction with GeoVancouver organizers.
- Dr. Nicholas Vlachopoulos, EGD Vice Chair became CGS representative on CFES Council
- The EGD www page was updated to include links to further Engineering Geology related societies and to upcoming Engineering Geology events. Links to the IAEG Lecture Series and the 2015 IAEG Conference keynote speaker videos were added to the EGD www site. The EGD Past Chair (Elmo) gave a lecture on Discrete Fracture Networks in Bologna, Italy in June 2015 and is posted on-line: <http://www.iaeg.info/341-2/>
- Upcoming IAEG events and conferences can be seen at: <http://www.iaeg.info> .
- No EGD member was identified as being able to attend the IAEG Council Meeting in Cape Town, South Africa, on 28th August, 2016. As such, Professor Michel Jebrak a keynote speaker at the conference was asked and he agreed to represent Canada. Currently, he is not a CGS member.
- Working closely and have a CGS representative with the Canadian Federation of Earth Scientists (CFES). The current Chair, Nicholas Vlachopoulos is the CGS Representative. The CFES Annual General Meeting was conducted April 15 & 16 at Université Ottawa, Ottawa, ON. The CFES website is: <http://earthsciencescanada.com/cfes/> . The EGD Chair attended the CFES EGD and reported to National CGS on the minutes of the meeting.

- The EGD Executive was represented by members on the National and Scientific Technical Committee of the ISRM Congress held in May 2015 in Montreal. They were also represented at the International Organizing Committee of Slope Stability in October 2015 in Cape Town, South Africa.
- EGD Executive is also involved in the Eurock 2016 (Turkey) and Eurock 2017 (Czech Republic) Scientific Committees.
- ARMA: EGD Past Chair, Dr Doug Stead, was in the Organising Committee of ARMA/Technical Program Committee; and Chair was also involved as a Technical Session Developer as part of ARMA 2016 (Houston, Texas, US).
- EGD Executive supported the CGS nomination of Scott McDougall to represent the Canadian Geotechnical Society on the IAEG's C37 Landslide Nomenclature.
- Handover by Past Chair and New Chair conducted
- Society of Mining, Metallurgy & Exploration within the ASCE Committee on Sustainability has been in contact with CGS and the EGD. They are hosting a symposium and workshop that will be held in conjunction with the annual meeting next February 18-19, 2017, in Denver. CGS supports - provided logo and non-financial support to this venue.

Section 7: Additional information or comments

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

Geoenvironmental Division Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Name of CGS Division: Geoenvironmental

Date of report: July 13, 2016

Prepared by: Craig Lake

Division Chair: Craig Lake

End of Term of Chair: January 1, 2018

CGS website address: http://cgs.ca/division_geoenvironment.php

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

Section 2: Current Executive members and their Affiliations (employers or, if students, universities)

Chair: Craig Lake (Dalhousie University)

Past Chair:

Vice Chair: Soe Moe Kyaw Win (BGC Engineering)

Secretary: Mamadou Fall (University of Ottawa)

Member at Large: Catherine Mulligan, Concordia University, Montreal

Member at Large: Magdalena Krol, York University

Ex-officio members: Tim Newson, Western University, London; Paul Simms, Carleton University, Ottawa; Richard Brachman, Queens University, Kingston

Section 3: Number of members

Executive members:

1st Choice members:

2nd Choice members:

Section 4: Division is affiliated with which other organizations

ISSMGE (TC215) – Canadian representatives (Kerry Rowe, Catherine Mulligan, Craig Lake)

Our division is also closely tied with the mining geotechnique, sustainability committees and the geosynthetics division.

Section 5: Finances

As of (Dec 31, 2015)

Balance: \$ 0

Section 6: Activities

- Promotion of 15th Joint Seminar on Geo-Environmental Engineering GEE 2016 in Nantes, France
- Short Course on Geoenvironmental Liner Systems, Halifax, Nova Scotia (Feb 16, 2016) (promoted through local CGS)
- Soliciting nominations for the Geoenvironmental Award, 2016
- Selection of Geoenvironmental Award, 2016
- Soliciting students to serve on executive

Geosynthetics Division Annual Report July 1, 2015 to June 30, 2016

1: General

Date of report: August 30, 2016

Prepared by: Richard Brachman

Division Chair: Richard Brachman, Queen's University

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

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

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

If your Division has a separate website please provide address: NA

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

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

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

- Create non-commercial geosynthetics photo collection on Division website.
- Encourage geosynthetics content and activity at GeoOttawa conference.
- Strengthen relationship with IGS-North America.

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

Chair: Richard Brachman, Queen's University

Past Chair: Kerry Rowe, Queen's University

Ex-officio: Craig Lake, Dalhousie University (coordination with Geoenvironmental Division)

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

Executive Committee Members: 3

1st Choice members: 57

2nd Choice members: 211

Section 4: Division is affiliated with which other organizations (Admin Manual Section 6 and App 10 and 26)

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

- None.

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

- IGS – North America (IGS-NA; formerly known as NAGS): Richard Brachman

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

- International Geosynthetics Society (IGS): Eric Blond

Comments (point form)

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

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

Account Balance: \$0

Comments (point form)

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

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

- Held Division meeting at GeoQuebec. Generated interesting idea of photo collection on website.
- Developed Short-course for GeoVancouver; instructors: R. Bathurst (RMC) and R. Brachman (Queen's)
- Reviewed 15 geosynthetic papers for GeoVancouver
- Coordinated that CGS become a Supporting Organization of Geotechnical Frontiers 2017, an ASCE GI conference
- Selected recipient of 2016 CGS Geosynthetic Award. The nominating committee comprised of Craig Lake (Dal. U), Rene Laprade (Tencate) and Marolo Alfaro (U Man.) nominated two individuals after reviewing all geosynthetic related papers in the journals Can Geotech J, Geosynthetics Int, and Geotextiles and Geomembranes. The selection committee comprised of past Geosyn Div Award winners Richard Bathurst (RMC) and Jonathan Fannin (UBC) and past Geosyn Div Chair Andy Lister (Tencate) selected a recipient by majority vote. Richard Brachman (Queen's) served as non-voting Chair. Expressions of gratitude to all member volunteers who contributed to the selection process and congratulations to the recipient, to be announced at GeoVancouver.

Groundwater Division Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Name of CGS Division: Groundwater (GWD)

Date of report: Feb. 10, 2016

Prepared by: Frank Magdich

Division Chair: Frank Magdich

End of Term of Chair: Dec. 31, 2017

CGS website address: http://www.cgs.ca/division_groundwater.php?lang=en

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

Division does not have a separate website. Contact e-mail is groundwater@cgs.ca

Section 2: Current Executive Members and their Affiliations (employers or, if students, universities)

Chair: Frank Magdich, Oak Environmental Inc., Calgary

Past Chair: Tia Wong, SAIT Polytechnic, Calgary

Vice Chair: Vacant

IAH Liaison: Diana Allen – Simon Fraser University, Burnaby

Section 3: Number of members

Executive members: 4

1st Choice members: 32

2nd Choice members: 192

Section 4: Division is affiliated with which other organizations

National affiliates

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

Section 5: Finances

As of Dec. 31, 2015

Balance: \$ 0

Comments

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

Section 6: Activities

- The Groundwater Division of CGS has the mandate to promote and facilitate the advancement, exchange and transfer of knowledge, skills and experience in the field of hydrogeology for the benefit of CGS members and the geotechnical and geoenvironmental professions.
- A specific goal for the division has been to achieve better liaison and cooperation with IAH/CNC. To this end, there were on-going discussions leading to a signed affiliation agreement between the two organizations. As well there have been discussions to better align the language used by each organization with respect to the joint Farvolden Award. New language has been agreed upon for the award as a result of these discussions.
- The GWD chair, Frank Magdich, will work to continue the efforts for close affiliation with IAH-CNC. Frank Magdich will be the Alberta representative of the IAH-CNC beginning Jan. 2016.
- The Division will try to identify industry events relevant to our members and announce the details to our members, such as the Darcy lecture events held in Calgary and Edmonton which were announced to Alberta CGS contact list.

Rock Mechanics Division Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of report: July 26, 2016

Prepared by: Sam Proskin

Division Chair: Sam Proskin

End of Division Chair's Term: December 21, 2017

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

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

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

Is there a link to the CGS website?: yes

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

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

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

Setting a year/ location for the next Canadian Rock Mechanics Meeting

Soliciting ideas for speciality conference

Finding a Vice-Chair to succeed as Chair for RMD

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Sam Proskin, Thurber Engineering
Past Chair: Jim Hazzard, ITASCA Consulting Group
Vice Chair: vacant
Secretary: vacant
Chris Hawkes, University of Saskatchewan
Thomas Lardner, University of Western Ontario
Silvana Micic, EXP
Derek Kinakin, BGC Engineering
Marc-Andre Brideau, BGC Engineering
Jordan Severin, SRK
Ehsan Ghazvinian, Queen's University
Chrysothemis Paraskevopoulou, Queen's University
Andy Corkum, BGC Engineering
Veronique Boivin, EXP

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

Executive Committee Members: 2
1st Choice members (can be obtained from Lisa): 110
2nd Choice members (can be obtained from Lisa): 278
Comments (point form)

- 1st choice up from 99
- 2nd choice up from 261

Section 4: Division is affiliated with which other organizations (Admin Manual Section 6 and App 10 and 26)

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

- CARMA: Sam Proskin

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

-

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

- ISRM: Doug Stead is VP North America for ISRM

Section 5: Division Finances

Account Balance: \$62,322.07 (held by CARMA)

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

- Holding joint technical session with the Engineering Geology Division at GeoVancouver
- Reviewed papers for GeoVancouver
- CARMA Conference call meetings January and February 2016
- Hani Mitri was announced as recipient of the John. A. Franklin Award at GeoQuebec
- At GeoQuebec held a joint technical sessions with the Engineering Geology Division
- Held annual meeting of RMD with 10-12 people attending

Soil Mechanics and Foundations Division
Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Name of CGS Division: Soil Mechanics and Foundations Division

Date of report: July 15, 2016

Prepared by: Alex Baumgard, Chair

Division Chair: Alex Baumgard

End of Term of Chair: Dec 31, 2016

CGS website address: http://cgs.ca/division_soil_mechanics.php

Last time your Division's CGS website was updated: Oct 2015

If your Division has a separate website please provide address:

Is there a link to the CGS website?:

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

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

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

1. Increased activity within the Division through improved communication mechanisms (use of website, Twitter feed at conferences etc).
2. Increased activity and support by Division at conferences through assistance with conference organising committees to put on short courses or seminars on SMFD topics.

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

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

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

Other Members:

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

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

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

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

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

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

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

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

Executive Committee Members: 8

1st Choice members: 681

2nd Choice members: 221

Section 4: Division is affiliated with which other organizations (Admin Manual Section 6 and App 10 and 26)

- The Soil Mechanics and Foundations Division is affiliated with the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE).

Section 5: Division Activities in past year (July 1, 2015 to June 30, 2016)

- G.G. Meyerhof Award – 2015 was awarded to Richard Bathurst for his contributions to geotechnical engineering both in academia and industry and as the foremost authority in geosynthetics-reinforced segmental retaining walls, and as a world-renowned expert in physical modeling including large-scale model tests. The award was presented at the GeoQuebec 2015 Conference.
- Annual meeting was held at the GeoQuebec 2015 Conference – Monday, September 21, 2015.
 - Despite large membership, small number of attendees to annual meeting (Division Chair, 2 members of Executive, 6 other members).
 - There was a free format discussion on the role of SMFD and how the division can serve better. Discussion included:
 - The desire for better representation of the SMFD or CGS on international committees. Follow-up from this discussion included the request for the SMFD Chair to explore ways to broadcast to the Division of openings on such committees.
 - Discussion on the Cross-Canada Lecture and whether all session at local sections can be web broadcast such that other sections can listen-in.
 - Question on whether we can move the Division meeting to online or add another online meeting at some point (possibly 2 meetings/yr) to allow for easier participation.
 - Discussion on the merits of updating the CGS Conference Manual to require Division involvement in the planning and execution of technical sessions.
 - Due to the small number of attendees at the Division meeting, it was suggested by the Chair and agreed upon that the Division refresh the Executive list and consider adding a younger member. Follow-up from this discussion included a poll of the Executive and reduction from 11 members to 7 who wished to remain active on the Executive. A younger member volunteered to participate in the Executive and has been added by the Chair as of Jan 26.

Section 7: Additional information or comments

- The Chair has been participating as an Ex-Officio member of the 5th Edition of the Canadian Foundation Engineering Manual (CFEM) Advisory Committee. Two meetings have been held (September 2015, January 2016).

STANDING COMMITTEE REPORTS

Education Committee *Annual Report July 1, 2015 to June 30, 2016*

Section 1: General

Date of report: July 15, 2016

Prepared by: Jinyuan Liu

Committee Chair: Jinyuan Liu

End of Committee Chair's Term: December 2016

Committee's CGS web page address: http://www.cgs.ca/committee_education.php?lang=en

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

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

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

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

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

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

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Jinyuan Liu

Past Chair: Greg Siemens

Vice Chair: N/A

Secretary: N/A

Add others (as necessary)

Sumi Siddiqua

Administrator Student Competitions, University of British Columbia

Paul Simms

Chair CFG Fellowship Selection, Carleton University

Ariane Locat

Laval University

Nicholas Vlachopoulos

Royal Military College of Canada

Tareq Salloum

Ontario Power Generation

E. Maria Skordaki

Royal Military College of Canada

Ahmed Fahmy

GeoTerre Limited

Meckkey El Sharnouby

Atlantic Industries Limited

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

Executive Committee Members: 10

Total members:

Section 4: Committee is affiliated with which other organizations

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

- N/A

North American affiliates and names of CGS representatives

- N/A

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

- N/A

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

Account Balance: \$17,479.43

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

- 2016 CGS Student Competition:

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

The 2016 CGS Student Competition winners were:

Undergraduate Report Award (Individual)

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

Undergraduate Report Award (Group)

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

Graduate Student Presentation Award

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

(as per information provided by Sumi Siddiqua, 2013 to 2016 Administrator of the Student Competitions)

- 5th cYGEHC Conference Overview: The 5th Canadian Young Geotechnical Engineers & Geoscientists Conference (cYGEHC 2016) is a triennial Canadian Geotechnical Society event. The conference is targeted towards young engineers and geoscientists who are looking to exchange technical information with their peers and build meaningful networks in a relaxed, supportive, and motivational environment. The conference will be hosted in Whistler, B.C from

September 29th to October 1st, 2016, prior to the national CGS Conference GeoVancouver. The cYGEgc will include a one-day technical tour, two-days of technical sessions, and social events.

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

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

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

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

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

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

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

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

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

- Michael Bozozuk 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.

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

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

- GeoJeopardy

Following the successful GeoJeopardy event sponsored by Golder Associates the committee at the Pan-Am Conference in 2011 and three following events held in GeoWinnipeg 2012, GeoMontreal 2013, and GeoRegina 2014, another successful event was organized successfully in GeoQuebec 2015.

- Young Geotechnical Engineers Socials GeoQuebec 2015

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

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

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

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

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

Heritage Committee
Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Name of CGS Committee: Heritage Committee

Date of report: January 27, 2016

Prepared by: David Cruden

Committee Chair: David Cruden

End of Term of Chair: December 2017

CGS website address: http://cgs.ca/heritage_committee.php?lang=en

Last time your Committee’s CGS website was updated: September 2015

If the Committee has a separate website...No

Section 2: Current Executive Committee members and their Affiliations (employers or, if students, universities)

Chair: David Cruden, University of Alberta,

Past Chairs: Suzanne Powell – Thurber Engineering Ltd.
Mustapha Zergoun – Thurber Engineering Ltd.
Jim Graham – University of Manitoba

Vice Chair: Jacques Locat – Université Laval

Secretary: Heinrich Heinz- Thurber Engineering Ltd.

Active Members: Fred Matich – MAJM Corporation Ltd.

Harpreet Panesar-Gov. of Saskatchewan

Mahdi Taiebat - University of British Columbia
Suzanne Lacasse - NGI
Andrea Lougheed - Thurber Engineering Ltd.
Richard Gervais – Independent Consultant, Montreal

Section 3: Number of members

Executive members: Three

Total members: Eleven. Ten people attended the annual meeting in Quebec City in 2015. There are a number of people (10-15) who have expressed interest in being part of the committee over the last year.

We would like to encourage Heritage Enthusiasts in each of the Society's Sections & Divisions

Section 4: Committee is affiliated with which other organizations

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

- Engineering Institute of Canada - The History and Archives Committee
- North American affiliates and names of CGS representatives (list)

TBA

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

TBA

Section 5: Finances (admin Manual App 22, Attach 3)

As of June 30, 2016): \$0

Section 6: Activities (on-going)

Jim Graham continues to update the "Lives Lived" section of the CGS Heritage web page with the assistance of Heinrich Heinz and Fred Matich. There have been two separate rounds of revisions to the "Lives Lived" pages on the Heritage Archives web pages. The total number of memoirs is now 38. Uploading new compiled versions of the pages by the Administration has been disappointingly slow.

- We are working on documents to be added to the CGS Heritage webpage in the coming months.
- Fred Matich has circulated his article on the early works of oil sands development. Following approval from Syncrude, we hope to add the illustrations to this article to the CGS Heritage web page.
- David Cruden announced the recent publication by the Edmonton Geological Society of the book "John Allan: The Founding of Alberta's Energy Industries" by Willem Langenberg and Dave Cruden. Dave has received permission from the publishers to add selected images from the book to the CGS Heritage web page.
- Ian Moore is to provide the foreword by Karl Terzaghi and introduction by Robert F. Legget to the first issue of the Canadian Geotechnical Journal (September 1963), which will be added to the CGS Heritage web page.
- Mahdi Taiebat is to enquire about short articles of historical nature on geomechanics and numerical analysis in Canada.
- Jacques Locat has researched photographs and documents about the rock falls in Quebec City in the 19th Century, which will be presented at the Heritage Luncheon at the 69th Annual Canadian Geotechnical, GeoVancouver 2016.
- Suzanne Lacasse is to provide links on the CGS website for Canadian projects that are part of the Norwegian Geotechnical Institute digital database.
- Harpreet Panesar has added "Saskatchewan Geotechnical Pioneers" to our Documents
- Richard Gervais is investigating the history of the Montreal Section. He has contacted a previous president from the late 1970s, Raymond Bousquet, who has some files.

Section 7: Additional information or comments

The Committee will formalize its procedures for approving new material to be uploaded to the Heritage pages of the CGS website (so the Administrative staff may upload with confidence and dispatch). Any guidance on this would be appreciated.

Geohazards Committee Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of report: July 15, 2016

Prepared by: Michael Porter, Scott McDougall

Committee Chair: Michael Porter

End of Committee Chair's Term: December 2016

Committee's CGS web page address: http://www.cgs.ca/geohazards_committee.php?lang=en

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

If your Committee has a separate website please provide address:

Is there a link to the CGS website?:

- 1) What is the mission statement, or main purpose, of your Committee.
 - The Geohazards Committee (formerly the Landslide Committee) supports efforts leading to the technical competence and excellence of Canadian geotechnical and related geoscience professionals working in the field of geohazards. It contributes to the organization of Canadian geotechnical conference sessions on landslides and geohazards, the organization of national and international landslide and geohazard conferences, the development of national and international 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).
 - The Committee also collaborates with the Association of Environmental and Engineering Geologists (AEG) to award the Schuster Medal. The Schuster Medal is awarded to CGS and AEG members who have made a significant contribution to "Geohazards" research, practice and/or education.
- 2) List one, or two or three (or more) specific things that your Committee will be working on, or wishes to accomplish, during the next CGS year (July 1, 2016 to June 31, 2017).
 - Participate in CGS board meeting and Vancouver conference; hold a committee meeting
 - Work with AEG to select 2017 Schuster Medal winner
 - Work with the LOC and CGS Executive to plan the Geohazards 7 conference to be held in Canmore in May/June 2018
 - Reach out to other Canadian geohazard practitioners outside of the landslide community (e.g. floods, snow avalanche, earthquakes, volcanoes) to broaden our scope
 - Work with the IAEG C37 committee to develop international guidelines on landslide nomenclature
 - Participate in 2017 NASL and continue to improve collaboration with AEG
 - Support the 2017 Canadian Geotechnical Conference

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Michael Porter, BGC Engineering Inc.

Past Chair: Corey Froese, Alberta Government

Vice Chair: Scott McDougall, University of British Columbia

Secretary:

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

Executive Committee Members: 2

Total members: 23

Section 4: Committee is affiliated with which other organizations

- The CGS Geohazard Committee collaborates with the CGS Engineering Geology Division and the CGS Transportation Committee; and the US Association of Engineering and Environmental Geologists (AEG) to award the Schuster Medal
- The CGS Geohazard Committee executive and several members at large will be participating in the 3rd North American Symposium on Landslides (NASL) that will be held June 4-8, 2017 in Roanoke, Virginia
- CGS Geohazard Committee members Scott McDougall and Dave Cruden will be participating in a joint IAEG Commission C37- Landslide Nomenclature

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

Account Balance: \$0

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

- Geohazard Committee members attended the CGS conference in Quebec City, presented papers, chaired sessions, held a committee meeting, and participated in a landslides field trip.
 - Committee members agreed to organize a 7th Canadian Geohazards Conference, potentially to be held in June 2018 in or around Canmore, AB.
 - Committee members agreed to broaden the focus of the committee and to request that the name of the committee be changed from Landslides to Geohazards.
- CGS Executive approved the change in name and scope of the committee in December 2015. Announcements of this change were made in CGS e-news and Geotechnical News in early 2016.
- Preliminary discussions were held with representatives from CGS Calgary Division about organizing Geohazards 7 Conference. There appears to be lots of interest and support, and a recommendation was made to proceed with further organization, leading to formal approval of the concept and seed funding by CGS executive.
 - A Local Organizing Committee (LOC) has been formed
 - The LOC is working with Wayne Gibson to obtain quotes for a venue, likely the Coast Canmore Hotel
- The Chair of the Geohazard Committee, in collaboration with the Chair of the Engineering Geology Division (Nicholas Vlachopoulos) and Chair of the Transportation Division (Mario Ruel) worked with AEG members to identify nominations for and a winner of the 2016 Schuster Medal. The 2016 medal will be awarded to a Canadian CGS member (in will be awarded to American AEG members in 2017 and 2018), and the winner will be announced in Vancouver.
- The Geohazard Committee wrote a letter of support to CGS to provide \$5,000 financial support to the Geological Survey of Canada to publish the Canadian Technical Guidelines on Landslides. A final draft of the guidelines is in preparation and was reviewed by Geohazard Committee members in February 2016.
- The CGS Geohazard Committee executive members have had discussions with AEG about supporting a 3rd North American Symposium on Landslides (NASL) that will be held June 4-8, 2017 in Roanoke, Virginia. Links to CGS are on the conference website.
- Geohazard Committee members participated in the review of technical papers on landslides and other geohazards for the 2016 CGS conference in Vancouver.
- CGS Geohazard Committee members Scott McDougall and Dave Cruden have been participating in a joint IAEG Commission C37- Landslide Nomenclature

Section 7: Additional information or comments

- It is expected that Dave Gauthier will take over as chair of the committee in January 2017, and that Scott McDougall will stay on as vice-chair.

Mining Geotechnique Committee
Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of report: July 15 2016
Prepared by:
Committee Chair: Paul Simms
End of Committee Chair's Term: Jan 1st 2018
Committee's CGS web page address: n/A
Last time your Committee's CGS web page was updated: N/A
If your Committee has a separate website please provide address:
Is there a link to the CGS website?:

1) What is the mission statement, or main purpose, of your Committee. (This is something that will be published on your Committee's web page.)

- 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

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

- Co-ordinate sessions with GeoVancouver 2016
- Promote student-industry networking event at the conference
- Find a Vice Chair
- Identify special session of interest, if any, for GeoOttawa 2017

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Paul Simms, Carleton University
Past Chair: Michel Aubertin, Ecole Polytechnique
Vice Chair: Not filled
Secretary: Not filled
Members: Bruno Bussière, Université du Québec en Abitibi-Témiscamingue (UQAT)
Ward Wilson, University of Alberta
Murray Grabinsky, University of Toronto

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

Executive Committee Members: 5
Total members: 60

Section 4: Committee is affiliated with which other organizations

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

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

Account Balance: \$N/A.

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

- Review of paper for Geovancouver.
- Discussion with GeoVancouver technical committee regarding special session possibilities to co-ordinate with theme of Hardy lecture (Mount Polley failure.)
- Organization of student-industry networking event

Professional Practice Committee Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of report: July 14, 2016

Prepared by: J. Suzanne Powell, Ph.D., P.Eng.

Committee Chair: J. Suzanne Powell, Ph.D., P.Eng.

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

Committee's CGS web page address: http://www.cgs.ca/committees_professional_practice.php?lang=en

Last time your Committee's CGS web page was updated: Fall 2015

If your Committee has a separate website please provide address:

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

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

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

However, the PPC's mandate as shown in the CGS Handbook is as follows:

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

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

- Revisit and possibly revise the mandate of the PPC.
 - PPC is working to develop a survey to be sent out to the CGS membership. The survey will be used to determine if the PPC mandate reflects the current needs and interest of the CGS membership and whether any revision should be undertaken.
- Promotion and possible re-branding of the PPC.
 - The PPC has struggled in the past to attract members. Through informal conversations with CGS members we have found that many CGS members are not aware of the PPC or what its mandate is. The PPC is working towards developing initiatives to change this which may work in conjunction with a revised mandate.
 - In conjunction with this we are looking to add addition content to our webpage such as links to other processional bodies such as the Geo-Institute, ACEC, GBA (Formerly ASFE) and/or links to resources such as online case studies with other organizations that that CGS could benefit from and may not be aware of.
- Finalize sessions for the GeoVancouver Conference and plan for the 2017 conference
 - We currently have two sessions planned for GeoVancouver – we are just waiting for final confirmation of our slots from the GeoVancouver organizing committee to finalize the details:

- Neil Abbott (Gowlings LLP) is to give a talk entitled "Speak like an engineer; think like a lawyer.....how to write expert reports for all legal occasions". Neil is only available on October 5th to give the talk so we are hopeful this can be accommodated by GeoVancouver.
- Our second session is a joint session with the Engineering Geology Division on Engineering Geology in Canada. The scope is to highlight Engineering Geology (Past and Present) and have invited speakers from academia and industry discuss their experiences.

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: J. Suzanne Powell, Thurber Engineering Ltd.

Past Chair: Kent Bannister, TREK Geotechnical Inc.

Vice Chair:

Secretary:

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

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

Executive Committee Members: 11

Total members: 11

Comments (point form)

- New membership is always welcome.

Section 4: Committee is affiliated with which other organizations

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

- N/A

North American affiliates and names of CGS representatives

- N/A

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

- N/A

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

Account Balance: \$0

Comments (point form)

- The professional practice committee does not have an operating budget.

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

- The PPC held two sessions at the GeoQuebec Conference. Overall the sessions were well received however due to the layout of the conference program a number of members were unaware of when the sessions were being held and as a result missed the sessions unintentionally. The two sessions were:
 - "Commission of inquiry on the awarding and management of public contracts in the construction industry: Lessons from the Quebec Experience" - The presentation was given by Stephane Bilodeau, Eng., Ph.D., FEC, a board member with Engineers Canada.
 - "Why don't we learn from experience? A simple process for improving your process delivery and profitability" - This talk was given by Robert B. vanArsdall and Wilma Schreuders of XL Insurance.
- The PPC completed a review of the APEGBC's Professional Practice Guidelines for Site Characterization for Dam Foundations in BC
 - Despite being placed on the initial list of reviewers, the PPC did not receive this document for review until after it had been approved by the APEGBC council. When we did receive the document we were given only a few weeks to provide our review. Two members of the PPC completed were able to complete the review

within the short time frame provided. Angela Küpper also provided some comments on the document. The comments were returned to APEGBC by Doug VanDine on behalf of the CGS.

Section 7: Additional information or comments

The current committee's chair term ends at the end of 2017. However due to the executive position being taken by the current chair beginning in 2017, a new committee chair may be required sooner. This is to be discussed with the current and incoming CGS executive and PPC Members.

Sustainability Geotechnics Committee Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of report: 15th August 2016

Prepared by: Tim Newson

Committee Chair: Tim Newson

End of Committee Chair's Term: 31st December 2016

Committee's CGS web page address: http://www.cgs.ca/committee_sustainable.php?lang=en

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

If your Committee has a separate website please provide address:

Is there a link to the CGS website?:

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

The Sustainable Geotechnics Committee was established in January 2015 to:

(a) Raise the awareness of sustainable geotechnique for the development of sustainable and resilient civil infrastructure and society; and

(b) Promote education, research, practice and publications in Sustainable Geotechnics.

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

- Improve visibility of committee and activities
- Hold a few workshop/seminar events

Section 2: Current Executive Committee Members and their Affiliations (employers or, if students, universities)

Chair: Tim Newson (Western University)

Past Chair: N/A

Vice Chair: Dipanjan Basu (University of Waterloo)

Secretary: Ian Fleming (University of Saskatchewan)

Add others (as necessary)

Catherine Mulligan (Concordia University)

Craig Lake (Dalhousie University)

Ernest Yanful (Western University)

Jit Sharma (York University)

Lukas Arenson (BGC Consultants)

Myint Win Bo (DST Group)

Roger Skirrow (Alberta Transportation)

Ryley Beddoe (York University)

Sean Hinchberger (Hatch Energy)

Stan Gonsalves (exp)

Tony Sangiuliano (MTO)

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

Executive Committee Members: 15

Section 4: Committee is affiliated with which other organizations

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

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

Account Balance: \$0

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

- Further modification of website
- Liaison with equivalent committees for International Society and ASCE
- Conducted two executive committee meetings
- Meeting of two sub-committees (Appropriate Technologies for Developing Countries & Literature Survey of Sustainability Systems in Civil Engineering)
- Conducted outreach to local societies
- Planning for workshop events 2016-17

***Transportation Geotechnique Committee
Annual Report July 1, 2015 to June 30, 2016***

Introduction

The Transportation Geotechnique Committee (TGC) was given status as a specialty committee under the Soil Mechanics and Foundations Division in September 2005. The TGC's mandate 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
- Geotechnics 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

Section 1: General

Date of report: August 20, 2015

Prepared by: Mario Ruel

Committee Chair: Mario Ruel

End of Term of Chair: 2018

CGS web page address: http://www.cgs.ca/transportation_committee.php?lang=en

Last time your Committee's CGS web page was updated: Fall 2014

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

Chair: Mario Ruel, CN Rail

Past Chair: Roger Skirrow, Alberta Transportation

Vice Chair: Serge Bourque, Houle Chevrier Engineering

Secretary: Don Lewycky, City of Edmonton

Section 3: Number of members

Executive members: 4

Total members: 40

Comments (point form): 12 active members

Section 4: Committee is affiliated with which other organizations

National affiliates and names of CGS representatives (list)

- 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 names of CGS representatives (list):

- AEG Association of Engineering Geology – Mario Ruel

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

- ISSMGE-TC202 Transportation Geotechnics – Mario Ruel

Section 5. Finances (admin Manual App 22, Attach 3)

As of: July 15, 2016

Balance: \$0

Section 6. Activities

- At last meeting it was proposed to create a CGS database of committee members, based on member interest which could be included on future membership renewal forms. There should also be the ability to join any given committee from the website.
- Even if the GeoVancouver 2106 technical program is not finalized yet, a large proportion of the papers presented are likely to be related to transportation (up to ~50%). Since there is a constant and growing interest in this topic, CGS TC committee plan to increase the level of activities within next 2 years.
- A member of our committee attended TAC conferences and is increasing efforts to act as liaison for both groups as there is a need for more awareness of geotechnical input in the broader transportation community (for example in the national guidelines for MSE walls and in the new pavement design program).
- A MOU was initiated in 2015 and progressing in 2016 with TAC to facilitate future discussions of mutual concern and cooperate on research projects. CGS TC members to submit geotechnical topics of national interest that TAC could bring forward as standards, guidelines or specifications document. (to be discussed in upcoming TGC. webex conferences).
- In addition to the affiliation noted in section 5; The CGS TGC is represented at the US Transportation Research Board (held in Washington January every year), at the GeoRail International conference in Paris every 3 years and at

the PWI -Permanent Way Institution (UK). TGC is considering formal affiliation with the TRB and their Highway Geology Symposium.

- Several members have taking leadership roles in of Drone technologies for imaging, measuring and monitoring and change detection for transportation projects. Experience to be shared within the geotechnical society through specialty sessions.
- Several CGS TGC members are also still taking leadership roles in the Railway Ground Hazards Research Project (RGHRP) which is very active on;
 - Numerous remote sensing , hazard detection and risk management research projects
 - The development of several MSc's and PhD's in the field of transportation geotechniques.
 - The elaboration of technical guidelines for ground hazard management for railways which could eventually be extended for other transportation corridors.
- Several RGHRP and transportation related abstracts were presented in excellent and well attended transportation technical sessions in GeoQuebec 2015.
- Several papers on Railway and Transportation Geotechniques will be presented at the GeoVancouver 2016 Conference.
- CGS TGC Goals for 2016-2017
 - Organize at least one work shop on trenchless technology and directional boring technique focused on transportation corridors.
 - Ensure that all documentation and web site information to be available in both official languages.
 - Increase active membership and to invite at least 10 new young members to take active role in the TGC.
 - Hold 3 conference calls /webex sessions with active members to foster communications, exchange ideas, set new goals and help achieve objectives.
 - Organize a technical webinar of transportation geotechnique related paper.

OTHER REPORTS

Geotechnical Research Board Annual Report July 1, 2015 to June 30, 2016

Section 1: General

Date of report: July 20, 2016

Prepared by: Murray Grabinsky

Chair: Murray Grabinsky

End of Term: 2016

CGS website: The role of the GRB is adequately described in the online manuals, which are accessible to CGS members

Section 2: Current Executive Committee members and their Affiliations (employers or, if students, universities)

Chair: Murray Grabinsky, University of Toronto

Past Chair: Jean Côté, Université Laval

The membership history is indicated below:

| Name | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|------------|------------|------------|------------|------------|------------|
| Dieter Stolle, McMaster University | Past Chair | Past Chair | | | | |
| James Blatz, University of Manitoba | Chair | Chair | Past Chair | | | |
| Myint Win Bo, DST (Thunder Bay) | | | | | | |
| Jean Côté, Université Laval | | | Chair | Past Chair | Past Chair | Past Chair |
| Mamadou Fall, University of Ottawa | | | | | | |
| Ian Fleming, University of Saskatchewan | | | | | | |
| Murray Grabinsky, University of Toronto | | | | Chair | Chair | Chair |
| Jocelyn Grozic, University of Calgary | | | | | | |
| Kevin Jones, EBA (Edmonton) | | | | | | |
| Catherine Mulligan, Concordia University | | | CGS Exec | CGS Exec | | |
| Marc Smith, Hydro Quebec | | | | | | |
| Arun Valsangkar, University of New Brunswick | | | | | | |
| Dharma Wijewickreme, University of British Columbia | | | CGS Exec | CGS Exec | | |
| Tai Wong, SAIT Polytechnic | | | | | | |

First 3-year term 3-year term

Section 3: List of Activities

- The GRB's assistance to the President in preparing a '2015 Annual Performance Review' submitted to the National Research Council, was updated and successful in obtaining the NRC's financial subsidy for the CGS's national membership fee to the ISSMGE.

Section 4: 2016 Colloquium Selection

- The selection committee made a selection for the 2017 Colloquium Speaker (name to be announced at the 2016 Conference in Vancouver)

Section 5: Annual Conference / Board of Directors Meeting

The GRB Chair, Murray Grabinsky, does not plan to attend the BOD meeting in Vancouver in October 2016, but the incoming Chair (see below) may speak to GRB issues of upcoming interest; no specific agenda items are suggested

Section 6: Additional information or comments

This year Bruno Bussi re was nominated as GRB Chair starting Fall 2016 and his nomination was approved by the Executive Committee

Canadian Geotechnical Journal - Ian D. Moore and Daichao Sheng, Editors ***Annual Report July 1, 2015 to June 30, 2016***

During 2015, a total of 629 manuscripts were received (556 were received in 2014), with 188 published (149 articles; 1 review; 18 notes; 10 discussions with 8 replies, and 2 Corrigenda). The acceptance rate in 2015 was 30% based on the numbers published, with the increase in acceptance rate in 2015 from 22% in 2014 largely due to the backlog that developed by the end of 2014 (the acceptance rate was 27.5% based on papers accepted versus rejected in 2015). The Thomson Reuters' impact factor (an imperfect measure of journal quality, though one widely used) increased from 1.332 to 1.877, and ranking based on Impact Factor puts us one place behind *Geotechnique* (Impact factor of 2.0) and three places ahead of the *Journal of Geotechnical and Geoenvironmental Engineering* (Impact Factor of 1.696). Impact factor has increased steadily over the past nine years, rising from 0.358 in 2007. Elsevier's 2015 SJR (SCImago Journal Rank, a measure of influence and prestige) increased slightly from 1.976 to 2.093. The ranking of the CGJ in SJR also improved slightly from the 10th in 2014 to 9th in 2015, among >290 'Geotechnical & Engineering Geology' journals. SJR continues to rank the CGJ as the second of all 297 journals published in Canada, behind only *The Journal of Psychiatry and Neuroscience*. Of course, these values vary from year to year, and we will maintain our efforts to sustain and improve the journal's high rankings.

At the time of writing this report the number of submissions has increased further above those received in 2015 (362 by July 1st so a total of 720 projected for 2016). Canadian Science Press has increased the number of articles published to eliminate the significant backlog that developed by the end of 2014 (papers accepted for publication that are waiting to be published).

There has been some turnover on the Editorial Board and the current 36 Associate Editors are David Airey, Lis Bowman, Olivier Buzzi, Jin Chun Chai, Jean C te, Yu-Jun Cui, Hesham El Naggar, Kevin Gavin, Rajah Gnanendran, Susan Gourvenec, Jocelyn Grozic, Peijun Guo, Bipul Hawlader, Buddhima Indraratna, George Kouretzis, Craig Lake, Richard Merrifield, John Molson, David Muir Wood, Charles Ng, Jin Ooi, James Oswell, Ennio Palmeira, Ryan Phillips, Kok Kwang Phoon, Kerry Rowe, Tom Schanz, Charles Shackelford, Jitendra Sharma, Greg Siemens, Paul Simms, Andy Take, Dwayne Tannant, Snehasis Tripathy, Dharma Wijewickreme, and Ming Xu (16 Canadians and 20 other members from Australia, Brazil, China, France, Germany, Hong Kong, Ireland, Japan, Singapore, the UK, and the USA). We thank all of the Associate Editors for their hard work and dedication. Special thanks to Storer Boone and Richard Wan who have completed their terms.

The further improvement in the rankings of the journal is the result of many factors. However, timely and effective reviews are a significant component of the journal's appeal to authors and readers, and we acknowledge the very important contributions from the many peer reviewers. A new initiative in the past twelve months is the appointment of 33 additional board members to act as reviewers, rather than associate editors. These board members are A. Arulrajah, C.Y. Cheuk, J. Ching, D. Choudhury, N.C. Consoli, M.R. Coop, B. Fatahl, J. Hambleton, M. Hendry, J. Huang, C. Jommi,

B. Lehane, E.C. Leong, A. Leung, A.J. Li, K.-W. Liu, M.D. Liu, S. Lourenco, F.A. Marinho, J.S. McCartney, C. Rujikiatkamjorn, A. Sadrekarimi, S.-L. Shen, N. Sivakugan, D. Sun, A.M. Tang, R.N. Taylor, K.K. Tho, Y. Wang, S. Wang, T.L. Zhan, S. Zhang, and A. Zhou.

We finish by thanking the staff at Canadian Science Publishing for their support. In particular, we thank Donna Hartson for her excellent work as editorial assistant, and our sincere appreciation to the Managing Editor, Jenny Stewart, Scientific Publishing Editor Lesia Beznacuk, and the team of copy editors and other staff at NRC Research Press.

CGS News – Don Lewycky, Editor
Annual Report July 1, 2015 to June 30, 2016

Last December I completed my three year term as the editor of CGS News portion of *Geotechnical News*. Our current President, Doug VanDine, then asked whether I would be willing to continue for a second term as the editor of the *Geotechnical News*. Since I have found the last three years in this position to be both rewarding and interesting, I agreed that I would willing to extend my term for an additional three years.

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. To date, the response has still been rather tepid. The one notable exception is Nicholas Vlachopoulos, the Division Chair for the Engineering Geology Division. Nicholas has supplied articles and photos for the last issues of *Geotechnical News*. I can only hope that the other chairs of the Society begin to match Nicholas' enthusiasm in getting the word out about the activities of their respective areas of responsibility.

The December 2015 and June 2016 editions of *Geotechnical News* had a two part history of the Canadian Foundation for Geotechnique, as prepared by Drs. Heinrich Heinz and Dennis Becker, based on an original article prepared by Dr. Michael Bozozuk. This was a perfect complement to the series of articles that Dr. Mustapha Zergoun, Chair of the Heritage Committee and myself were able to initiate to document the history of the Society's local chapters. I have now published three histories, Vancouver in September 2013, Edmonton in March 2014 and Calgary in June 2014. The challenge is now to entice some additional submissions from the local chapters located east of the Alberta/Saskatchewan border, but so far no additional chapters have come forward.

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