

The Canadian Geotechnical Society

**La Société canadienne
de géotechnique**



2014

Annual Report / Rapport annuel

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CANADIAN GEOTECHNICAL SOCIETY - AWARDS AND HONOURS 2014

- R.F. Legget Award** Peter Byrne – Professor Emeritus, University of British Columbia, Vancouver
- R.M. Quigley Award** Z.J. Westgate, D.J. White, M.F. Randolph "Modelling the embedment process during offshore pipe-laying on fine-grained soils"
- Honourable Mention:** Liang Cheng, Ralf Cord-Ruwisch, Mohamed A. Shahin "Cementation of sand soil by microbially induced calcite precipitation at various degrees of saturation"
Divya S.K. Mana, Susan Gourvenec, Mark F. Randolph "Experimental investigation of reverse end bearing of offshore shallow foundations"
M.S. Hosney, R. Kerry Rowe "Changes in geosynthetic clay liner (GCL) properties after 2 years in a cover over arsenic-rich tailings"
- G. Geoffrey Meyerhof Award** Alan Macnab, Macnab Consultants
- Thomas Roy Award** Franklin D. Patton, Retired
- Roger J. E. Brown Award** Isabelle de Grandpré, Université de Montréal, Daniel Fortier, Associate Professor, Université de Montréal, Eva Stephani, University of Alaska Fairbanks
- Geoenvironmental Award** Michel Aubertin Professor, Dept. Civil, Geological and Mining Engineering, École Polytechnique de Montréal
- Robert N. Farvolden Award (Joint award with IAH-CNC)** James F. Barker Professor Emeritus, University of Waterloo
- Graduate Student Paper Award**
- 1st Prize** Osama Salem Abuhajar "Static and Seismic Soil Culvert Interaction"; Civil and Environmental Engineering, Western University; Advisor, Dr. Hesham El Naggar
- 2nd Prize** Daniel Jones "Evaluation of Geosynthetics for Hydrocarbon Containment in Antarctica"; Civil Engineering, Queen's University; Advisor, Dr. Kerry Rowe
- Undergraduate Student Report (Individual)**
- 1st Prize** Matthew Dugie "A Practical Review of Empirical Methods for Estimating Rockfill Shear Strength"; Civil and Resource Engineering, Dalhousie University; Advisor, Dr. Craig Lake
- 2nd Prize** Ryan Lavich "Evaluating the Performance of Thermosyphons along a Railway Line in Permafrost Regions of Northern Manitoba"; Civil Engineering, University of Manitoba; Advisor, Dr. Marolo Alfaro
- Undergraduate Student Report (Group)**
- 1st Prize** Matthew Gray, Carlin Horkoff, Robert Kaplen, Jamie Loughlin "Unobtainium and eludium mining limited, pre-feasibility level slope design"; Geological Engineering, University of British Columbia (Vancouver); Advisor, Susan W. Hollingshead
- 2nd Prize** Kevin Azocar, Derek Ernst, Hugh Gillen, Tim Packulak "Design of an Underground Light Rail Transit Station and Tunnel Network in Ottawa, Ontario, Canada: A detailed design of Rideau Station segment of the Confederation Line"; Geological Sciences and Geological Engineering, Queen's University; Advisor, Dr. Mark Diederichs
- Canadian Foundation for Geotechnique Michael Bozozuk National Graduate Scholarship**
Kristen Tappenden, University of Alberta
- A.G. Stermac Awards**
Mario Ruel, System Senior Manager, CN Rail
Sylvain Roy, Vice-président expertise géotechnique chez, LVM
Ariane Locat, Professeure adjointe, Université Laval
Matthew A. Perras, Graduate Ph.D. Student, Queen's University
Victor A. Sowa, Secretary General, Canadian Geotechnical Society
- CGS R.M. Hardy Keynote Address** Lee Barbour, Professor, University of Saskatchewan
- Canadian Geotechnical Colloquium** Scott McDougall, Geotechnical Engineer, BGC Engineering Inc.
- Cross Canada Lecture Tours** James Graham (spring 2014), Ryan Phillips (fall 2014)

AWARDS FROM ENGINEERING INSTITUTE OF CANADA (EIC)

- Fellowship of the Institute (FEIC)*, Regis Bouchard, Lead Geot. Engineer, Lower Churchill Project, SNC-Lavalin.
Fellowship of the Institute (FEIC), Gordon Ward Wilson, Principal Investigator, Oil Sands Tailings Research Facility

LA SOCIÉTÉ CANADIENNE DE GÉOTECHNIQUE - PRIX ET DISTINCTIONS 2014

- Médaille R.F. Legget** Peter Byrne – Professor Emeritus, University of British Columbia, Vancouver
- Prix R.M. Quigley** Z.J. Westgate, D.J. White, M.F. Randolph "Modelling the embedment process during offshore pipe-laying on fine-grained soils"
- Mention honorable:** Liang Cheng, Ralf Cord-Ruwisch, Mohamed A. Shahin "Cementation of sand soil by microbially induced calcite precipitation at various degrees of saturation"
Divya S.K. Mana, Susan Gourvenec, Mark F. Randolph "Experimental investigation of reverse end bearing of offshore shallow foundations"
M.S. Hosney, R. Kerry Rowe "Changes in geosynthetic clay liner (GCL) properties after 2 years in a cover over arsenic-rich tailings"
- Prix G. Geoffrey Meyerhof** Alan Macnab, Macnab Consultants
- Prix Thomas Roy** Franklin D. Patton, Retired
- Prix Roger J.E. Brown** Isabelle de Grandpré, Université de Montréal, Daniel Fortier, Associate Professor, Université de Montréal, Eva Stephani, University of Alaska Fairbanks

Prix de la géologie de l'environnement Michel Aubertin Professor, Dept. Civil, Geological and Mining Engineering, École Polytechnique de Montréal

Prix Robert N. Farvolden James F. Barker Professor Emeritus, University of Waterloo
(distinction conjointe de la SCG et de la AIH-SNC)

Prix de l'étudiant diplômé

- 1^{er} prix** Osama Salem Abuhajar "Static and Seismic Soil Culvert Interaction"; Civil and Environmental Engineering, Western University; Advisor, Dr. Hesham El Naggar
- 2^e prix** Daniel Jones "Evaluation of Geosynthetics for Hydrocarbon Containment in Antarctica"; Civil Engineering, Queen's University; Advisor, Dr. Kerry Rowe

Prix de l'étudiant non-diplômé, présentation individuelle

- 1^{er} prix** Matthew Dugie "A Practical Review of Empirical Methods for Estimating Rockfill Shear Strength"; Civil and Resource Engineering, Dalhousie University; Advisor, Dr. Craig Lake
- 2^e prix** Ryan Lavich "Evaluating the Performance of Thermosyphons along a Railway Line in Permafrost Regions of Northern Manitoba"; Civil Engineering, University of Manitoba; Advisor, Dr. Marolo Alfaro

Prix de l'étudiant non-diplômé, présentation de groupe

- 1^{er} prix** Matthew Gray, Carlin Horkoff, Robert Kaplen, Jamie Loughlin "Unobtainium and eludium mining limited, pre-feasibility level slope design"; Geological Engineering, University of British Columbia (Vancouver); Advisor, Susan W. Hollingshead
- 2^e prix** Kevin Azocar, Derek Ernst, Hugh Gillen, Tim Packulak "Design of an Underground Light Rail Transit Station and Tunnel Network in Ottawa, Ontario, Canada: A detailed design of Rideau Station segment of the Confederation Line"; Geological Sciences and Geological Engineering, Queen's University; Advisor, Dr. Mark Diederichs

Bourse nationale Michael Bozozuk pour études supérieures de la FCG - Kristen Tappenden, University of Alberta

Prix A.G. Stermac

Mario Ruel, System Senior Manager, CN Rail
Sylvain Roy, Vice-président expertise géotechnique chez, LVM
Ariane Locat, Professeure adjointe, Université Laval
Matthew A. Perras, Graduate Ph.D. Student, Queen's University
Victor A. Sowa, Secretary General, Canadian Geotechnical Society

Discours d'ouverture R.M. Hardy

Lee Barbour, Professor, University of Saskatchewan

Colloque de la SCG

Scott McDougall, Geotechnical Engineer, BGC Engineering Inc.

Tournée de conférences pancanadiennes

Jim Graham (printemps 2014), Ryan Phillips (automne 2014)

INSTITUT CANADIEN DES INGÉNIEURS (ICI)

Fellowship of the Institute (FEIC), Regis Bouchard, Lead Geot. Engineer, Lower Churchill Project, SNC-Lavalin

Fellowship of the Institute (FEIC), Gordon Ward Wilson, Principal Investigator, Oil Sands Tailings Research Facility

**THE CANADIAN GEOTECHNICAL SOCIETY
LA SOCIÉTÉ CANADIENNE DE GÉOTECHNIQUE**

**2014 DIRECTORS – AND COMMITTEE CHAIRS, OTHER POSITIONS AND SECRETARIAT
DIRECTEURS POUR L'ANNÉE 2014 – ET PRÉSIDENTS DE COMITÉS, AUTRES POSTES ET SECRÉTARIAT**

Terms end 31 December in the year shown. This document can also be found at

<http://cgs.ca/cgs-board.php?lang=en>

BOARD OF DIRECTORS

EXECUTIVE COMMITTEE

President/ Président Term ends 31 Dec. 2014

Richard J. Bathurst, P.Eng.

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2014

** Represents Sections on Exec. Committee*

Vice President Technical 2014

Vice Président Technique

Angela Küpper, P.Eng.

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Vice President Financial 2014

Vice Président aux Finances

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Vice Président aux Communications

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Myint Win Bo, P.Eng., P.Geo. * 2014

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mwinbo@dstgroup.com

** Represents Technical Divisions on Exec. Comm.*

DIVISION CHAIRS

PRÉSIDENTS DES DIVISIONS

3-year term ending 31 December of year listed

Cold Regions Geotechnology

2016

Géotechnologie des régions froides

Baolin Wang, P.Eng.

Geological Survey of Canada
601 Booth Street
Ottawa, ON, K1A 0E8
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Engineering Geology

2015

Géologie de l'ingénieur

Doug Stead, P.Eng.

Department of Earth Sciences
Simon Fraser University
8888 University Drive,
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Geoenvironmental

2014

Géologie de l'environnement

Myint Win Bo, P.Eng., P.Geo. *

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** Represents Technical Divisions on Exec. Comm.*

<p>Geosynthetics Géosynthétiques Richard W.I. Brachman, P.Eng. Department of Civil Engineering GeoEngineering Centre at Queen's-RMC Queen's University Kingston, Ontario, Canada, K7L 3N6 Tel: (613) 533-3096; Fax: (613) 533-2128 Brachman@civil.queensu.ca</p>	2016	<p><i>Vancouver Island Geotechnical Group</i> J. Suzanne Powell, EIT. Thurber Engineering Ltd. 100, 4396 West Saanich Road Victoria, BC V8Z 3E9 Tel: 250 727-2201; Fax: 250 727-3710 spowell@thurber.ca</p>	2015
<p>Groundwater Eaux souterraines Tai Wong, P.Eng. School of Construction, SAIT Polytechnic 1301-16th Avenue NW Calgary, AB - T2M 0L4 Tel: 403-774-5274; tai.wong@sait.ca</p>	2016	<p><i>Prince George Geotechnical Group</i> Dave McDougall, P.Eng. GeoNorth Engineering Ltd. 3975 18th Avenue Prince George, BC, V2N 1B2 Tel: 250 564-4304; Fax: 250 564-9323 d.mcdougall@geonorth.ca</p>	2015
<p>Rock Mechanics Mécanique des roches Jim Hazzard, P. Eng. Itasca Consulting Group 6 Adelaide St. E., Suite 220 Toronto, ON, M5C 1H6 Tel: 647 668-7671; jhazzard@itascacg.com</p>	2014	<p><i>Interior BC Geotechnical Group</i> Sumi Siddiqua, P.Eng. School of Engineering, University of British Columbia Okanagan Campus, EME 4257 - 3333 University Way 1137 Alumni Avenue Kelowna, BC Canada V1V 1V7 Tel: 250 807-9863; Fax: 250 807-9850 sumi.siddiqua@ubc.ca</p>	2015
<p>Soil Mechanics and Foundations Mécanique des sols et des fondations Alex Baumgard, P.Eng., P.Geo. BGC Engineering Inc. Suite 800 - 1045 Howe Street Vancouver, BC, V6Z 2A9 Tel: 604 684-5900; Fax: 604 684-5909 abaumgard@bgcengineering.ca</p>	2016	<p>N. Alberta, N.W. Territories, Yukon Nord de l'Alberta, Terr. du Nord-Ouest et Yukon <i>Geotechnical Society of Edmonton</i> Seán Mac Eoin, P.Eng. AECOM 17007 - 107 Avenue NW Edmonton, Alberta T5S 1G3 Tel: 780 486-7000; Fax: 780 486-7070 sean.maceoin@aecom.com</p>	2016
<hr/> <p>SECTION DIRECTORS DIRECTEURS DES SECTIONS <i>3-year term ending 31 December of year listed</i></p>			
<p>British Columbia Colombie-Britannique <i>Vancouver Geotechnical Society</i> Jason Pellett, P.Eng., GIT Tetra Tech EBA Inc. Oceanic Plaza, 9th Floor, 1066 West Hastings Street, Vancouver, BC, V6E 3X2 Tel. 604 685-0275 Ext 316; Fax: 604 684-6241 jason.pellett@tetrattech.com</p>	2015	<p>Southern Alberta Sud de l'Alberta <i>Calgary Geotechnical Group</i> Frank Magdich, P.Eng Oak Environmental Inc. Suite 103; 4712 – 13th St. NE Calgary, Alberta Tel: 403 250-9810; Fax: 403 250-3978 frank@oakenviro.com</p>	2014
		<p>Saskatchewan <i>Regina Geotechnical Group</i> Harpreet Panesar, P.Eng. Technical Standards Branch Ministry of Highways and Infrastructure 240 Henderson Dr, Regina, SK. - S4N 5P7 Tel: 306 798-5296; Fax: 306 787-4836 Harpreet.Panesar@gov.sk.ca</p>	2016

<i>Saskatoon Geotechnical Group</i>	2016	<i>London Group</i>	2015
Erik P. Ketilson, P.Eng. SRK Consulting (Canada) Inc. Suite 205, 2100 Airport Drive, Saskatoon, Saskatchewan S7L 6M6 Tel: 306-955-4778; Fax: 306-955-4750 eketilson@srk.com		Mrinmoy Kanungo, P.Eng. Golder Associates Ltd. 309 Exeter Road, Unit #1, London, Ontario, N6L 1C1 Tel: 519 652-0099; Ext.4179, Fax: 519 652-6299 mkanungo@golder.com	
Manitoba <i>Winnipeg Section</i>	2016	<i>Sudbury Group</i>	2016
Kendall Thiessen, P.Eng. City of Winnipeg 15-30 Fort St. Winnipeg, Manitoba; R3C 4X5 Tel: 204 986-5159; Fax 204 986-3684 kthiessen@winnipeg.ca		Sarah E. M. Poot, P.Eng. Golder Associates Ltd. 1010 Lorne Street Sudbury, Ontario, P3C 4R9 Tel: 705 524-6861 Ext 2269; Fax: 705 524-1984 spoot@golder.com	
Eastern and Northern Ontario Est et Nord de l'Ontario <i>Ottawa Geotechnical Group</i>	2015	Ouest du Québec Western Quebec – Montreal	2014
Mamadou Fall Department of Civil Engineering University of Ottawa 161 Louis Pasteur Ottawa, ON, K1N 6N5 Tel: 613 562-5800 Ext.6558; Fax: 613 562-5173 mfall@genie.uottawa.ca		Annick Bigras, ing. Hydro-Québec, Direction Barrages et infrastructures (Dams and Infrastructures Division) 75, René-Lévesque Boulevard West, 3rd floor Montréal, QC, H2Z 1A4 Tel: 514 289-2211, Ext. 4754; bigras.annick@hydro.qc.ca	
<i>Thunder Bay</i>	2014	Est du Québec Eastern Quebec - Quebec City	2015
Eltayeb Mohamedelhassan, P.Eng. Department of Civil Engineering Lakehead University 955 Oliver Road, Thunder Bay Ontario, Canada, P7B 5E1 Tel: 807 343-8363; Fax: 807 346-7943 eltayeb@lakeheadu.ca		Jean Côté, ing. Département de génie civil et de génie des eaux Department of Civil & Water Engineering 1065, avenue de la Médecine Pavillon Adrien-Pouliot, Université Laval Québec (Québec), G1V 0A6 Tel: 418 656-5936; Fax: 418 656-2928 Jean.Cote@gci.ulaval.ca	
<i>Kingston Group</i>	2016	Atlantic Provinces Provinces de l'Atlantique <i>Nova Scotia Chapter</i>	2016
Nicholas Vlachopoulos, P.Eng. Civil Engineering Department Royal Military College of Canada Kingston ON, K7K 7B4 Tel: 613 541-6000 Ext 6398; Fax: 613 541-6218 vlachopoulos-n@rmc.ca		James S. Mitchell, P.Eng. Stantec Consulting Ltd. 102 - 40 Highfield Park Drive Dartmouth, NS; B3A 0A3 Tel: 902 468-0421; Fax 902 468-9009 James.Mitchell@stantec.com	
Southern Ontario Sud de l'Ontario <i>Toronto Group</i>	2014	<i>New Brunswick Chapter</i>	2016
Paul Dittrich, P.Eng. * Golder Associates Ltd. 6925 Century Avenue, Suite 100, Mississauga, Ontario, L5N 7K2 Tel: 905 567-4444; Fax: 905 567-6561 Paul_Dittrich@golder.com		Hany El Nagggar, P.Eng. Department of Civil Engineering University of New Brunswick Fredericton, New Brunswick, Tel: 506-453-5168; Fax 506 453-3568 hany.elnagggar@unb.ca	

* **Represents Sections on Executive Comm.**

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Representative of CSCE on CGS Board: 2014
Reg Andres, P.Eng., FCSCE
Vice-President
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[Note: CSCE President's term ends in June. Above term starts in June 2013]

EX OFFICIO MEMBERS OF CGS BOARD OF DIRECTORS

President-Elect, Président-Élu 2014
Doug VanDine, P.Eng., P.Geo.
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Geotechnical Research Board 2016
**Président, Conseil de la recherche
en géotechnique**
Murray W. Grabinsky, P.Eng.
Department of Civil Engineering
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murray.grabinsky@utoronto.ca

Editor Canadian Geotechnical Journal
**Le directeur de la rédaction de la Revue
canadienne de géotechnique** from 1 Apr. 2007
Ian Moore, P.Eng.
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Editor, CGS News in Geotechnical 2015
News
**Le directeur de la rédaction des Nouvelles
de la SCG**
Donald M. Lewycky, P.Eng.
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END OF DIRECTOR'S LIST

CHAIRS OF STANDING COMMITTEES LES PRÉSIDENTS DES COMITÉS PERMANENTS

3-year terms ending 31 December

Education Committee 2016
Le comité sur l'éducation
Jinyuan Liu, P.Eng.
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Heritage Committee 2014
Le comité Héritage
Mustapha Zergoun, P.Eng,
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Landslides Committee 2015
Le comité sur les glissements de terrain
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MPorter@bgcengineering.ca

Transportation Geotechniques 2015
Committee
Le comité sur la géotechnique des transports
Roger Skirrow, P.Eng.
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Professional Practice 2014
Le comité sur la pratique professionnelle
Kent Bannister, P.Eng.
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1712 St. James Street
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kbannister@trekgeotechnical.ca

Mining Geotechnique Committee 2014
Comité technique sur la géotechnique minière
Michel Aubertin, ing.
École Polytechnique, Dept. CGM
CP 6079, Sccl Centre-Ville
Montreal, QC H3C 3A7
Tel: 514 340-4711 Ext. 4046; Fax: 514 340-4477
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SECRETARIAT

Secretary General
Secrétaire Général
Victor A. Sowa, P.Eng., P.Geo.
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Delta, BC V4L 2E6
Tel: 604 948-2398;
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Administrator
Administrateur
Wayne Gibson, P.Eng.
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REPRESENTATIVES ON OTHER ORGANIZATIONS

Representative to EIC Council:
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Civil Engineering Department
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Representative to CSCE Board:
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***President's Report to the Board - Richard J. Bathurst
Report on Activities - July 1, 2013 to June 30, 2014***

As I have mentioned in one of my quarterly President's Messages published in Geotechnical News and on the CGS website – the business of the CGS never stops. Much of the activity of your Executive, Board of Directors, our Secretary General (Victor Sowa) and CGS Administrators (Wayne Gibson, Lisa McJunkin and Brendan Crosby) occurs behind the scenes. This report gives me the opportunity to summarize some of the important CGS activities in the 12 months following my President's Report ending June 30, 2013.

I am pleased to report that the Memorandum of Understanding (MOU) with the Local Organizing Committee (LOC) for GeoQuebec in 2015 will be finalized shortly, while the MOU between the CGS and the LOC for GeoVancouver in 2016 has already been signed. I, along with the Secretary General Victor Sowa, have made it a priority to have these MOUs completed well in advance of the conferences so that the LOCs can benefit from the experience at CGS headquarters and to ensure that important organizational details are not overlooked at the planning stage. The CGS Executive held its spring meeting in Quebec City last May. This gave us the opportunity to meet with the Chair of the Quebec City LOC, Jean Côté, and to tour the venue selected for the conference. We were very impressed with the venue and planning to date by Jean Côté and his team. The CGS also held early discussions with the Ottawa Geotechnical Group, which has expressed interest in holding the 70th Annual CGS Conference in Ottawa in 2017.

The 6th Canadian Geohazards Conference was held at Queen's University in Kingston in June which I was able to attend. The organizing committee delivered a terrific program. Dave Gauthier headed a team of superbly organized and enthusiastic young people that was in turn ably supported by Wayne Gibson and his group. Angela Küpper (VP Technical) mentions a number of other technical activities that have occurred recently or are pending over the remaining year.

At the Executive spring meeting (May) we proposed to change the title of Secretary General to Executive Director (Directeur général). We believe that this title better reflects the duties of this position and is consistent with North American practice. At the time of this report, I am happy to announce that the motion was passed by the CGS Board of Directors. The board reviewed applications for the new position and, as you now are aware, Michel Aubertin was selected to succeed Victor Sowa effective 2015. We are very lucky as a society to have Michel accept this important position.

A very important and timely task of the current administration at this change of Executive Director was to initiate a plan for a virtual CGS document repository. Under this plan, all documentation will be stored in "the cloud" and be available to all Executive members to assist them with the execution of their various duties. Similarly, chairs of Divisions and Committees will have access to document libraries that can be used as templates to assist them with their duties and to provide a useful record of previous activities. I also took the opportunity to task our President-elect (Doug VanDine) to initiate a re-evaluation of administrative procedures and responsibilities as is a normal and prudent procedure for any professional society, particularly when there is a change of such a key position as the Executive Director.

Plans for the CGS Cross Canada Lecture Tour (CCLT) speaker series were developed during this reporting period. Angela Küpper (VP Technical) and I are delighted to report that Ryan Phillips of C-Core will be the Fall 2014 speaker. The 2015 Spring CCLT speaker will be Professor Nick Sitar from the University of California, Berkeley. I am also delighted to report that the CGS Geotechnical Research Board chaired by Dr. Murray Grabinsky has selected Dr. Greg Siemens of the Royal Military College of Canada to be our 2015 CGS Colloquium speaker. Dr. Siemens will give his talk at GeoQuebec 2015 in September of next year.

Finally, the Executive at its spring meeting also made progress in updating plans for the Canadian Foundation Engineering Manual (CFEM) which was last revised in 2006. The Executive is looking at the next CFEM to be delivered in e-book format and to make updates on a chapter by chapter basis. This strategy will reduce costs and ensure that those chapters that most urgently need to be updated to reflect the changing state-of-practice in Canadian geotechnique are made in a timely fashion.

Rapport du président au conseil d'administration - Richard J. Bathurst
Rapport sur les activités - 1^{er} juillet 2013 au 30 juin 2014

Comme je l'ai mentionné dans l'un de mes messages trimestriels publiés dans le magazine *Geotechnical New* et sur le site Web de la SCG, il n'y a pas de répit pour les affaires de la SCG. La plupart des activités de votre Comité exécutif, de votre conseil d'administration, de notre secrétaire général (Victor Sowa) et des administrateurs de la SCG (Wayne Gibson, Lisa McJunkin et Brendan Crosby) se déroulent dans les coulisses. Ce rapport me donne l'occasion de résumer certaines des activités importantes de la SCG qui se sont déroulées dans les 12 mois suivant mon rapport allant jusqu'au 30 juin 2013.

Je suis heureux d'annoncer que le protocole d'entente (PE) avec le comité organisateur local (COL) de GéoQuébec 2015 sera bientôt finalisé, alors que le PE entre la SCG et le COL de GéoVancouver 2016 a déjà été conclu. De concert avec notre secrétaire général Victor Sowa, j'avais accordé la priorité à ces PE pour qu'ils soient conclus longtemps d'avance, afin de permettre aux COL de profiter de l'expérience du siège social de la SCG et de veiller à ne pas oublier de détails d'organisation importants lors de la planification. Le Comité exécutif de la SCG a tenu sa réunion du printemps à Québec en mai dernier. Nous avons ainsi eu l'occasion de rencontrer le président du COL de la ville de Québec, Jean Côté, et de visiter l'endroit retenu pour le déroulement de la conférence. Nous avons été très impressionnés par ce lieu et la planification effectuée jusqu'à maintenant par Jean Côté et son équipe. La SCG a également eu des discussions préliminaires avec le Groupe géotechnique d'Ottawa, qui a indiqué qu'il souhaitait organiser la 70^e conférence annuelle de la SCG à Ottawa, en 2017.

La 6^e conférence canadienne sur les géorisques a été tenue à l'Université Queen's à Kingston, en juin, et j'ai pu y assister. Le comité organisateur a offert un programme incroyable. Dave Gauthier a dirigé une équipe de jeunes personnes enthousiastes et superbement organisées qui a été habilement appuyée par Wayne Gibson et son groupe. Angela Küpper (vice-présidente technique) mentionne que de nombreuses autres activités techniques se sont déroulées récemment ou auront lieu d'ici la fin de l'année.

À la réunion du printemps (mai) du Comité exécutif, nous avons proposé de changer le titre de secrétaire général pour celui de directeur général (executive director). Nous croyons que ce titre correspond mieux aux responsabilités de ce poste et est conforme à la pratique nord-américaine. Au moment de la rédaction de ce rapport, je suis heureux d'annoncer que la résolution a été adoptée par le conseil d'administration de la SCG. Le conseil a examiné des candidatures pour ce nouveau poste, et comme vous le savez maintenant, Michel Aubertin a été retenu pour succéder à Victor Sowa à compter de 2015. À titre de société, nous sommes très chanceux que M. Aubertin ait accepté ce poste important.

Une tâche très importante et opportune de l'administration actuelle dans le cadre de ce changement de directeur général a été d'établir un plan pour la création d'un dépôt de documents virtuel de la SCG. En vertu de ce plan, tous les documents seront stockés dans « le nuage ». Les membres de l'exécutif pourront y accéder pour les aider à assumer leurs différentes responsabilités. De même, les présidents des divisions et des comités auront accès à des bibliothèques de documents pouvant être utilisés comme des modèles pour les aider à assumer leurs tâches et pour fournir un répertoire utile d'activités antérieures. J'ai également saisi l'occasion pour demander à notre président désigné (Doug VanDine) d'amorcer une réévaluation des procédures et responsabilités administratives, une procédure normale et prudente pour toute société professionnelle, particulièrement lors de changements à un poste aussi important que celui de directeur général.

Des plans pour la Tournée de conférences pancanadiennes (TCP) de la SCG ont été élaborés pendant la période couverte par le présent rapport. Angela Küpper (vice-présidente technique) et moi sommes ravis de signaler que Ryan Phillips, de C-Core, sera le conférencier de l'automne 2014. Le conférencier de la TCP du printemps 2015 sera le professeur Nick Sitar, de l'Université de la Californie, à Berkeley. Je suis également enchanté d'annoncer que le conférencier retenu par le Conseil de recherche en géotechnique de la SCG, présidé par le Dr Murray Grabinsky, pour le Colloquium 2015 de la SCG est le Dr Greg Siemens, du Collège militaire royal du Canada. Le Dr Siemens présentera sa conférence lors de GéoQuébec 2015 au mois de septembre de l'année prochaine.

Finalement, lors de sa réunion printanière, le Comité exécutif a également avancé dans l'actualisation de la planification relative au *Manuel canadien d'ingénierie des fondations (MCIF)* dont la dernière révision

remonte en 2006. Il souhaite que la prochaine édition du *MCIF* soit offerte sous forme de livre électronique et puisse être actualisée chapitre par chapitre. Cette stratégie réduira les coûts et garantira que les chapitres qui doivent être actualisés le plus rapidement pour correspondre à l'état évolutif de la pratique du domaine géotechnique canadien le soient.

Vice-President Technical – Angela Kupper
Report of Activities - July 1, 2013 to June 30, 2014

CGS Sections (and Related Activities)

There are 20 local sections of the CGS. All sections other than Thunder Bay have reported being active during the year. We thank the 151 members who participate as chairs, co-chairs and other executive positions for their volunteer service to the local members.

The local sections are active in sponsoring technical presentations, organizing and hosting special events (Cross Canada Lecture Tour, technical symposia and competitions), student competitions and forum, social activities, and sponsoring students through scholarships and conference attendance. Participation at the events has generally ranged from about 15 to more than 100 attendees. During the period July 1, 2013 to June 30, 2014, the CGS sections held 80 technical presentations, 6 workshops/short courses, 9 student events, 8 social events and 2 conferences. There were also 24 Cross Canada Lectures.

CGS Sponsored, Co-Sponsored and Supported Conferences

The 66th Canadian Geotechnical Conference was held in Montreal, from September 29 to October 2, 2013. The 4th Canadian Young Engineers and Geoscientists Conference (cYGEGC) was held from October 3rd to 6th, 2013, in Mont-Tremblant, Québec. The 6th Canadian Geohazards Conference was held at Queen's University, Kingston, ON, June 15-18, 2014. These were successful and well-attended conferences. The following conferences are planned for the remainder of 2014:

- 67th Canadian Geotechnical Conference, Regina, SK, Sept 28-Oct 2, 2014.
- 4th International Oil Sands Tailings Conference (IOSTC 2014) will be held December 7-10, 2014, in Lake Louise, Alberta (www.ostrf.com).

Cross Canada Lecture Tour

The tour continues to be a corner stone of the society, having been in existence since 1965. We have had two annual tours in recent years. The fall 2013 CCLT speaker was Dr. Ed Kavazanjian, from University of Arizona, who gave lectures to eleven sections from Oct 8-22, 2013. The Spring 2014 CCLT speaker was Dr. James Graham from University of Manitoba who lectured in 13 locations in April 21 to 25 and May 4 to 9, 2014. These tours are funded through the Canadian Foundation for Geotechnique and the generous support of the industry sponsors, which are greatly appreciated.

Canadian Geotechnical Journal

The journal is an important showcase for our community, publishing both international and national high quality manuscripts and maintaining its strong reputation as one of the three leading international geoengineering journals. The journal is celebrating its 50th anniversary with a special edition and a fabulous editorial written by former editors. The journal continues to flourish under the guidance of editor, Dr. Ian Moore and Dr. Daichao Sheng. Drs. Moore and Sheng also continues to work on improving decision-making times leading to a quicker paper acceptance, which has a major impact on attracting contributions from leading scholars and practitioners. We thank the members of CGS who act as Associate Editors and as Paper Reviewers for the Journal (past and present).

CGS Divisions

There are seven technical divisions. They have a mandate to promote and facilitate the advancement, exchange and transfer of knowledge, skills and experience in the relevant field of engineering for the benefit of division members and the profession. We thank all Division chairs and the executive members for their valuable contributions. Of the seven Divisions, four new Chairs were appointed (for the Cold Regions Geotechnology, Geosynthetics, Groundwater and Soil Mechanics and Foundations Divisions) and two of the Chairs will have their terms end December 31, 2014: Geo-Environmental and Rock Mechanics. These divisions are affiliated with specific international bodies in their area of specialization,

and CGS members gain access to those bodies and their technical committees, conferences, and journals through division membership. A need to improve leadership continuity and expand both committee membership and activity has been recognized in some Divisions. Attendance to the General Meetings of the Divisions during the annual CGS Conference has improved but still needs to be encouraged by the Division Chairs. The technical divisions have been very active. Some highlights of their activities include:

- The Cold Regions Geotechnology Division organized the International Short Course on Permafrost Engineering: Effective Design and Construction in Permafrost Regions at the University of Alberta, from December 5 to 10, 2013. It was successfully run and well attended.
- The Engineering Geology Division Chair is currently Co-Chair of the 1st International Discrete Fracture Network Engineering Conference (DFNE 2014) <http://www.dfne2014.ca/> to be held in Vancouver October 19-22, 2014. Increased collaboration with the Rock Mechanics Division and the Landslides Committee is being considered.
- Four members of the Geo-Environmental Division (Kerry Rowe, Myint Win Bo, Shahid Azam & Catherine Mulligan) participated in the development of a new Environmental Geotechnics Journal to be published by ICE, UK and are members of the Board of Editors.
- The Geosynthetics Division organized a series of four webinars in conjunction with NAGS. Division involvement ensured NAGS member pricing for any CGS member (\$100 for NAGS/CGS members vs. \$300 for others).
- The Soil Mechanics and Foundation Division has raised the idea of considering the 5th Edition of the Canadian Foundation Engineering Manual and discussions are on-going. A meeting was held on October 2, 2013 in Montreal chaired by the CGS President, Richard Bathurst.

CGS Technical Committees

Currently six standing technical committees report to the Vice President Technical. All committees are active in supporting conferences and running symposia and short courses. Presentations of the Specialty Sections organized by the Professional Practice Committee are posted on the CGS website and are valuable reference material for our general membership. The Heritage Committee has also uploaded to the website material that is of interest to the membership and is working on acquiring additional material.

The Mining Geotechnique Committee has been particularly busy with participation in conferences and joint research activities. Members of the CGS Landslide Committee are supporting the Geological Survey of Canada's initiative by authoring, reviewing and editing chapters of Technical Guidelines on Landslides. Links to guideline chapters are available on the CGS Landslide Committee website (http://www.cgs.ca/landslides_committee.php), published by the GSC as open files for comment. The Education Committee continues to successfully run the CGS Student Competition, to administer the Canadian Foundation for Geotechnique National Graduate Scholarship, to support GeoJeopardy and has supported the organization of the 4th Canadian Young Geotechnical Engineers and Geoscientists Conference (cYGEGC). An award was established to give two CGS members under the age of 35 the opportunity to attend the 5th International Young Geotechnical Engineers Conference in Paris, France in the fall of 2013. The award is funded jointly by the Education Committee of the CGS and the Canadian Foundation for Geotechnique. Many outstanding nominations were received; Nicholas Beier (University of Alberta) and Vincent Goreham (Dalhousie University) were selected. The Transportation Committee is involved in preparing technical guidelines for geohazard management along rail corridors. These guidelines may be adapted for highways.

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

The Canadian Geotechnical Research Board (GRB) was chaired on an interim basis by Jean Côté of Université Laval; Murray Grabinsky was selected as the new Chair for the term 2014-2017. The GRB has reported that it will continue to focus on supporting the CGS membership, both academic and practicing, in engaging in research activities. The GRB will also be taking a role in the active promotion and advocacy of the CGS members to advisory boards, policy. The Colloquium speaker for the 66th Conference in Montreal was Paul Simms of Carleton University and for the 67th Conference in Regina will be Scott MacDougall of BGC Engineering. The wording regarding eligibility for the Colloquium has been updated in the Awards and Honors Manual to eliminate ambiguity.

CGS News

CGS News is published four times a year in *Geotechnical News* (March, June, September and December) and is mailed to CGS members as well as posted on the CGS web site. Don Lewycky is the Editor of CGS News and is welcoming contributions from CGS members.

Rapport de la vice-présidente technique – Angela Kupper Activités du 1^{er} juillet 2013 au 30 juin 2014

Sections de la SCG (et activités connexes)

La SCG compte 20 sections locales. Toutes les sections, à l'exception de celle de Thunder Bay, ont indiqué avoir été actives durant l'année. Nous remercions les 151 membres qui occupent des postes de président, de coprésident et d'autres postes de direction, pour leur service bénévole auprès des membres locaux.

Les sections locales sont actives en commanditant des présentations techniques, en organisant des événements spéciaux (Tournée de conférences pancanadiennes, symposiums techniques et concours), des concours et des forums pour les étudiants et des activités sociales, ainsi qu'en parrainant des étudiants par le biais de bourses et de participations à des conférences. De 15 à plus de 100 personnes participent habituellement à ces événements. Durant la période du 1^{er} juillet 2013 au 30 juin 2014, les sections de la SCG ont organisé 80 présentations techniques, 6 ateliers/cours intensifs, 9 événements étudiants, 8 activités sociales et 2 conférences. De plus, la Tournée de conférences pancanadiennes a compté 24 présentations.

Conférences commanditées, cocommanditées et subventionnées par la SCG

La 66^e conférence géotechnique canadienne a eu lieu à Montréal, du 29 septembre au 2 octobre 2013. La 4^e conférence canadienne des jeunes géotechniciens et géoscientifiques (cYGECC) a eu lieu du 3 au 6 octobre 2013, à Mont-Tremblant, au Québec. La 6^e conférence canadienne sur les géorisques s'est tenue à l'Université Queen's, à Kingston, en Ontario, du 15 au 18 juin 2014. Un grand nombre de délégués ont participé à ces conférences, et elles ont été couronnées de succès. Les conférences suivantes ont eu lieu au cours du reste de l'année 2014 :

- la 67^e conférence géotechnique canadienne, à Regina, en Saskatchewan, du 28 septembre au 2 octobre 2014;
- la 4^e International Oil Sands Tailings Conference (IOSTC 2014) a eu lieu du 7 au 10 décembre 2014, à Lake Louise, en Alberta.

Tournée de conférences pancanadiennes (TCP)

La tournée continue à être une pierre angulaire de la société étant donné qu'elle existe depuis 1965. Au cours des dernières années, deux tournées se sont déroulées chaque année. Le conférencier de la TCP de l'automne 2013 était le Dr Ed Kavazanjian de l'Université de l'Arizona, qui a donné des conférences dans 11 sections. Le conférencier de la TCP du printemps 2014 était le Dr James Graham de l'Université du Manitoba, qui a présenté sa conférence dans 13 sections. Ces tournées sont rendues possibles grâce aux subventions de la Fondation canadienne de géotechnique et à l'appui généreux des commanditaires de l'industrie, ce dont nous sommes très reconnaissants.

Revue canadienne de géotechnique

La Revue est une vitrine importante pour notre communauté. Elle publie des manuscrits de grande qualité à l'échelle internationale et nationale et elle conserve une solide réputation à titre de l'une des trois revues de géotechnique de premier rang sur le plan international. La Revue célèbre son 50^e anniversaire avec une édition spéciale et un merveilleux éditorial rédigé par d'anciens éditeurs. Sous l'égide de ses éditeurs, le Dr Ian Moore et le Dr Daichao Sheng, elle continue à prospérer. Les docteurs Moore et Sheng continuent à accélérer la prise de décision, afin d'accepter les articles plus rapidement. Cela a une très grande incidence pour attirer des textes d'universitaires et de praticiens de premier plan. Nous remercions les membres de la SCG qui assument les fonctions de rédacteurs adjoints et d'examineurs d'articles pour le compte de la revue (tant passés que présents).

Divisions de la SCG

Il y a sept divisions techniques. Elles ont pour mandat de promouvoir ainsi que de faciliter le progrès, l'échange et le transfert de connaissances, de compétences et d'expérience dans le domaine d'ingénierie pertinent au profit des membres de la division et de la profession. Nous remercions les présidents des divisions et les membres de leurs comités exécutifs pour leur précieuse contribution. Des sept divisions, quatre ont nommé de nouveaux présidents (géotechnique des régions froides, géosynthétique, hydrogéologie, et mécanique des sols et fondations), et le mandat de deux autres présidents prendra fin le 31 décembre 2014, soit ceux du géoenvironnement et de la mécanique des roches. Ces divisions sont affiliées à des organismes internationaux appartenant à leur domaine de spécialisation, et les membres de la SCG qui deviennent membres des divisions accèdent à ces organismes, à leurs comités techniques, à leurs conférences et à leurs revues. Certaines divisions ont reconnu avoir besoin d'améliorer la continuité du leadership et d'augmenter tant le nombre de membres de leur comité exécutif que de leurs activités. La participation aux assemblées annuelles des divisions pendant la conférence annuelle de la SCG s'est améliorée, mais doit toujours être encouragée par les présidents des divisions. Les divisions techniques ont été très actives. Voici certaines de leurs principales activités :

- La Division de la géotechnique des régions froides a organisé le cours intensif international sur l'ingénierie du pergélisol : Effective Design and Construction in Permafrost Regions, à l'Université de l'Alberta, du 5 au 10 décembre 2013. Le cours a été très réussi et beaucoup de personnes y ont participé.
- Le président de la Division de la géologie de l'ingénieur a été le coprésident de la première conférence de l'International Discrete Fracture Network Engineering (DFNE 2014), qui s'est déroulée à Vancouver, du 19 au 22 octobre 2014. Une collaboration accrue entre la Division de la mécanique des roches et le Comité sur les glissements de terrain est envisagée.
- Quatre membres de la Division du géoenvironnement (Kerry Rowe, Myint Win Bo, Shahid Azam et Catherine Mulligan) ont participé à l'élaboration de la nouvelle revue *Environmental Geotechnics* qui doit être publiée par l'ICE, au R.-U. et sont membres du comité de rédaction.
- La Division de la géosynthétique a organisé une série de quatre webinaires conjointement avec la North American Geosynthetics Society (NAGS). La participation de la Division a permis aux membres de la SCG de bénéficier du prix des membres de la NAGS (100 \$ pour les membres de la NAGS/SCG comparativement à 300 \$ pour les autres participants).
- La Division de la mécanique des sols et des fondations a soulevé l'idée d'une 5^e édition du *Manuel canadien d'ingénierie des fondations*, et les discussions se poursuivent. Une réunion présidée par le président de la SCG, Richard Bathurst a eu lieu le 2 octobre 2013, à Montréal.

Comités techniques de la SCG

À l'heure actuelle, six comités techniques permanents rendent des comptes à la vice-présidente technique. Tous les comités contribuent à l'organisation de conférences et organisent des symposiums et des cours intensifs. Les présentations de spécialistes organisées par le Comité sur les pratiques professionnelles sont affichées sur le site Web de la SCG, à titre de documentation de référence utile pour nos membres. Le Comité sur le patrimoine a également téléversé au site Web du matériel présentant de l'intérêt pour les membres et cherche à en acquérir d'autres.

Le Comité sur la géotechnique minière a été particulièrement actif, en assistant à des conférences et en participant à des projets de recherche conjoints. Les membres du Comité sur les glissements de terrain de la SCG appuient l'initiative de la Commission géologique du Canada en rédigeant, en révisant et en mettant en forme des chapitres des *Technical Guidelines on Landslides*. Des liens vers ces chapitres sont offerts sur la page du Comité sur les glissements de terrain de la SCG

http://www.cgs.ca/landslides_committee.php, publiés par la SCG comme des fichiers ouverts à commenter. Le Comité sur l'éducation continue a géré avec succès le Concours de la SCG pour les étudiants, à administrer la Bourse nationale pour études supérieures de la Fondation canadienne de géotechnique et à soutenir GEOparady, et a appuyé l'organisation de la 4^e Conférence canadienne des jeunes ingénieurs géotechniciens et géoscientifiques (cYGEHC). Un prix a été instauré, afin de permettre à deux jeunes membres de la SCG de moins de 35 ans d'assister au 5^e congrès international des jeunes ingénieurs géotechniciens qui a eu lieu à Paris, en France, à l'automne 2013. Ce prix est subventionné conjointement par le Comité sur l'éducation de la SCG et la Fondation canadienne de géotechnique. De nombreuses nominations de candidats exceptionnels ont été présentées. Les lauréats sont Nicholas Beier (Université de l'Alberta) et Vincent Goreham (Université Dalhousie). Le comité sur la géotechnique des transports participe à la préparation de directives techniques relatives à la gestion du géorisque le long des couloirs ferroviaires. Ces directives peuvent être adaptées pour les autoroutes.

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

Conseil canadien de recherche en géotechnique

Le Conseil canadien de recherche en géotechnique a été présidé par Jean Côté, de l'Université Laval, à titre intérimaire. Murray Grabinsky a été retenu comme nouveau président pour le mandat de 2014 à 2017. Il a indiqué qu'il continuera à se consacrer à aider les membres de la SCG, tant universitaires que praticiens, à participer à des projets de recherche. Il assumera aussi un rôle actif de promotion et de représentation des membres de la SCG auprès de comités consultatifs. Le conférencier du Colloquium pour la 66^e conférence à Montréal était Paul Simms, de l'Université de Carleton, et celui de la 67^e conférence à Regina était Scott MacDougall, de BGC Engineering. La formulation des critères d'admissibilité pour le Colloquium a été actualisée dans le *Manuel sur les prix et les distinctions* pour éliminer toute ambiguïté.

CGS News

La section CGS News est publiée quatre fois l'an dans le magazine *Geotechnical News* (mars, juin, septembre et décembre). Elle est envoyée aux membres de la SCG par la poste et affichée sur le site Web de la SCG. Don Lewycky en est l'éditeur et accepte les contributions des membres de la SCG.

Vice-President Finance - Dharma Wijewickreme
Report of Activities - Fall 2014

General

The following is an update of the society's financial results for 2013, and year-to-date financial results (up to June 30, 2014) relative to the 2014 budget ratified by the membership at the 2013 annual conference in Montreal. The Balance Sheet containing the CGS's current assets and liabilities is also attached.

2013 Financial Results

The financial results for the year 2013 are summarized in the following tables. These figures are taken from the audited financial statements provided by Johnsen Archer LLC.

	Revenue (x \$1,000)		
	2012 Actuals	2013	
		Ratified Budget	Year End Totals
Membership Dues	251.9	255.0	263.9
Publications	43.7	45.0	70.4
Conferences	70.6	25.0	27.2
Sponsorships	26.5	8.0	8.5
Miscellaneous	6.8	6.0	6.3
SUBTOTALS	399.5	339.0	376.3

	Expenses (x \$1,000)		
	2012 Actuals	2013	
		Ratified Budget	Year End Totals
Intl. Membership	33.2	35.0	30.9
Conference Expenses	3.0	5.0	8.4
Publication Costs	114.2	130.0	136.2
Staff fees/expenses	144.9	135.0	146.8
Society Operations	44.0	45.0	37.9
Miscellaneous	0.1	0.0	4.5
One-time Donations	60.0	0.0	0.0
SUBTOTALS	399.4	350.0	364.7

EXCESS/DEFICIENCY OF REVENUE OVER EXPENSES	0.1	-11.0	11.6
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As shown in the P&L statement, as of December 31, 2013, CGS had achieved revenues exceeding expenditures of 11.6K compared to the budgeted loss of 11K. Some of the specific details for 2013 and comparisons with the P&L for the previous year are given below.

Revenue Related Observations/Comments for 2013:

Again, the main sources of CGS revenue in 2013 are from membership fees, publication income (mostly from the *CFEM*), and excess of revenue over expenses from conferences (primarily the annual conference).

- Membership: CGS membership as of December 31, 2013 was 1,254. The member category breakdown was: 1002 Regular, 88 Student, 63 Retired, 69 International, 22 CSCE 2nd society, 5 IAH 2nd society and 5 NAGS 2nd society. History - (2012 - 1214; 2011 - 1,168; 2010 - 1,203; 2009 - 1,208; 2008 - 1,202).
- Publications: In 2013, 216 copies of the English *Canadian Foundation Engineering Manual* (CFEM) were sold as of December 31st. Although the revenue from English CFEM was expected to reduce, the French edition of the *Manuel canadien d'ingénierie des fondations* (MCIF) produced sales of 140 copies with income leading to a year-end publication revenue of \$70.4K.
- Conferences: Two conferences were held by the CGS in 2013
 1. 66th Canadian Geotechnical Conference in Montreal, Quebec, Canada, September 29 – October 03, 2013, in cooperation with the International Association of Hydrogeologists – Canadian National Chapter (IAH-CNC) and the North American Geosynthetics Society (NAGS). Seed money of \$10K was provided to the local organizing committee.
 2. 4th Canadian Young Geotechnical Engineers and Geoscientists Conference (4th cYGEGC) in Tremblant, Quebec, October 3 to 6, 2013; seed funding of \$5K provided.
 3. Seed money of \$1,000 was also provided for the 3rd Climate Change Technology Conference that was held on May 27-29, 2013, Montreal, Quebec organized by The Engineering Institute of Canada.

The excess of revenues over expenditures from the conferences were due to GeoMontreal 2013 and the 4th Canadian Young Geotechnical Engineers and Geoscientists Conference. For GeoMontreal 2013, a net payment to CGS of \$20K was estimated at the 2013 year end as the conference final accounting had not been completed at the time of the 2013 audit. Based on the available information, the actual net payment to CGS is now expected to be \$23.5K so \$3.5K will be realized in the 2014 accounts. The 4th cYGEGC generated a net to CGS of \$5.1K. Note that net revenues over expenses from the conferences are shared in accordance with the MOUs established amongst the CGS national body, the host local section (or technical committee), and other supporting parties, as appropriate.

- Sponsorships: Total corporate sponsorship income in 2013 was \$8.5K and was up from the budgeted \$6.0K as a number of new firms joined the program last year.
- Miscellaneous: Miscellaneous income includes interest/investment revenues and the CSG share of income from the EIC Career Site. In a continuing climate of low interest rates, income from this source is minimal. Steps were taken to determine what would be the best way to reinvest these funds.

Expenses Related Observations/Comments for 2013:

- International Memberships: CGS expenses of \$30.9K are below the ratified budget of \$35K.
- Conference Expenses: CGS expenses are slightly higher than the ratified budget of \$5K due to our support of young member attendance at the 2013 ISSMGE Conference in Paris.
- Publication costs: Publication costs include the publishing of *Geotechnical News*, the *Canadian Foundation Engineering Manual* and the cost for online and printed copies of the *Canadian Geotechnical Journal*. The *Manuel canadien d'ingénierie des fondations* (MCIF) was set up and printed at a cost of \$19.5K in 2013. Due to the expected increase in sales of the MCIF to year-end, an additional \$7.7K was incurred on sales commissions, bringing the year-end total to \$136.2K.
- Staff Costs and Expenses: The total cost for CGS staff fees and expenses in 2013 was \$146.8K, some \$1.9K more than in 2012.
- Society Operations: Expenses for society operations were \$37.9K, which is \$8.1K less than in 2012. The major area accounting for the reduction in expenses was Internet/web costs – these were lower in 2013 as no major website modifications or improvements were undertaken last year.

- Miscellaneous: Miscellaneous expenses are a one-time cost of \$4.5K to produce mugs imprinted with the CGS logo. The mugs were distributed free of charge to the Montreal CGS conference attendees. This initiative raises the profile of the CGS with younger members, and it is in line with the ideas that were initially developed by the CGS Membership Committee in September 2011.
- One-time Donations: No one-time donations were received this year.

2014 Financial Update

The 2014 CGS budget ratified by the membership at the 2013 annual conference in Montreal is summarized below. Revenue and expense data to June 30, 2014 are also shown along with projections to year end (assumed same as ratified in 2013 August). For comparison, 2013 actuals are provided. The numbers given should be examined bearing in mind that the report is based on early data.

	Revenue (x \$1,000)				
	2013 Actuals	2014			
		Ratified Budget	To June 30, 2014		Projected to year end
			\$	% of 2014	
Membership Dues	263.9	255.0	248.8	98	258.0
Publications	70.4	60.0	31.8	53	60.0
Conferences	27.2	20.0	0.0	-	20.0
Sponsorships	8.5	10.0	0.0	-	8.0
Miscellaneous	6.3	5.0	0.5	10	5.0
SUBTOTALS	376.3	350.0	281.1	80	351.0

	Expenses (x \$1,000)				
	2013 Actuals	2014			
		Ratified Budget	To June 30, 2014		Projected to year end
			\$	% of 2014	
Intl. Memberships	30.9	35.0	3.7	11	35.0
Conference Expenses	8.4	6.0	0.0	-	6.0
Publication Costs	136.2	115.0	79.4	69	115.0
Staff fees/expenses	146.8	142.0	70.7	50	142.0
Society Operations	37.9	50.0	22.8	46	45.0
Miscellaneous	4.5	22.0	0.0	-	12.0
One-time Donations	0.0	0.0	0.0	-	0.0
SUBTOTALS	364.7	370.0	176.6	48	355.0

EXCESS/ DEFICIENCY OF REVENUE OVER EXPENSES	11.6	-20.0	104.5	n/a	-4.0
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Revenue Related Observations/Comments for 2014:

The main sources of CGS revenue in 2014 are expected to be from membership dues, publication income (mostly from the *Canadian Foundation Engineering Manual - CFEM*), and excess of revenue over expenses from conferences (primarily the annual conference).

- Membership: Current active membership as of August 1, 2014 is 1,436 members compared to 1,203 members as of August 1 last year. The current breakdown by member class is: 1,028 Regular, 244

Student, 57 Retired, 79 International, 26 CSCE 2nd society and 2 NAGS 2nd society. History - (2013 – 1,254; 2012 – 1,214; 2011 – 1,168; 2010 – 1,203; 2009 – 1,208; 2008 -1,202). Income from member dues is expected to be in accord with that anticipated. Since the CGS membership dues remain unchanged in 2014, it is fair to assume that the total member numbers will hold steady in 2014 so membership income will be similar to recent years.

- Publications: Publication income in 2014 is projected to remain relatively steady with the sales of the French *MCIF* making up for the slowdown in sales of the English *CFEM*.
- Conferences: Two conferences are planned/completed by the CGS in 2014:
 1. The 67th Canadian Geotechnical Conference will be held at the Delta Regina Hotel, Regina, Saskatchewan, Canada from Sunday, September 28 to Wednesday, October 1, 2014. An MOU with the local organizing committee have been signed. Seed money of \$10K has been provided by CGS to GeoRegina. GeoRegina is anticipated to make an excess of revenue over expenses; however, it is too early to know how it will compare to the 2012 and 2013 conferences.
 2. The 6th Canadian GeoHazards Conference (GeoHazards6) was held in Kingston, Ontario, 15-18 June 2014. An MOU with the organizers has been signed, and seed funding of \$10,000 has been provided.
- Sponsorships: The corporate sponsorship renewal appeal typically gets underway in the 2nd or 3rd quarter – all previous sponsors have now been contacted and revenue in 2014 is expected to be similar to 2013 but likely not increase to \$10k as budgeted.
- Miscellaneous: Again, miscellaneous income derives predominantly from investment dividends. In a continuing climate of low interest rates, income from this source is minimal.

Expenses Related Observations/Comments for 2014:

- International Memberships: CGS expenses are expected to be in accord with the ratified budget of \$35K. These funds are typically remitted to the international societies in the 3rd quarter after the majority of member registrations have been received so most have not been reflected in the figures as of June 30, 2014.
- Conference Expenses: CGS conference expenses are expected to be in accord with the ratified budget of \$6K.
- Publication costs: The total publication costs are associated with *Geotechnical News*, the *Canadian Geotechnical Journal*, and the *Canadian Foundation Engineering Manual* (English and French versions). There are no printing costs expected in 2014 as we have sufficient copies of the *CFEM* and *MCIF* in inventory to meet anticipated sales this year. Already \$44.1K *Canadian Geotechnical Journal* online and print subscription orders have been remitted. CGS expenses expected to be in accord with the ratified budget of \$115K.
- Staff Costs: CGS expenses are expected to be in accord with the ratified budget of \$142K. No significant changes in Society operation costs are expected in 2014. However, if the incoming Secretary General starts prior to December 31, 2014, then these costs will increase due to staffing overlap.
- Society Operations: Based on expenditures to date, CGS expenses are expected to be in line with the ratified budget of \$50K.
- Miscellaneous: The 2014 miscellaneous budget was increased to \$22K to cover additional promotional items as voted by the CGS Board at their September 29, 2013 meeting. The member service pin initiative was launched at a cost of \$5K. Miscellaneous expenses of \$7K relate to unreimbursed Cross Canada Lecture Tour costs and other initiatives planned by the society. Should the fall CCLT not go ahead, the miscellaneous expenses will be reduced by approximately \$3K.

The net projection for the 2014 year end suggests net expenditures exceeding revenues by \$4K, which would be \$16K less than the budgeted loss of \$20K approved in 2013 for the 2014 fiscal year. Last year's adoption of a net budget loss was considered acceptable due to the overall healthy financial position of the CGS, with net assets of over \$750K. At June 30, 2014, it is still difficult to accurately predict the 2014 year-end numbers, but at this moment it appears that the society is on track for a close to balanced budget at year end.

Proposed Budget for 2015

The proposed budget for the year 2015 is presented below, with comments and observations followed by a tabular summary:

Revenue

- It is proposed that CGS membership dues pricing remain unchanged in 2015. It is assumed that total member numbers will hold steady in 2015 so membership income will be similar to recent years – a slight increase of \$2K over the projected 2014 actual of \$258K has been budgeted.
- Publication income in 2015 is projected to fall slightly due to plateauing of sales of the English and French CEFM and is budgeted to be \$55K in 2015.
- The annual CGS conference in Quebec City is expected to generate net revenues similar to past conferences and \$22K has been budgeted.
- Sponsorship revenues are expected to be similar to previous years and a slight increase to \$9K has been budgeted
- Miscellaneous revenue is derived mostly from interest and investment income. In the current low rate environment for secure investments, this is not expected to grow in 2015.

Expenses

- No change in International Membership costs are anticipated in 2015.
- Conference expenses have been estimated to be \$8K due to implementation of a revised subsidy model for sponsored student participation.
- With slightly lower revenues expected for publications sales, expenses will also reduce – an estimated reduction of \$5K will result in expected expenses of \$110K
- The overall 2015 Staff Fees and Expenses budget has been estimated to be about 5% more than the amount that was projected for the 2014 year end at \$150K. This will allow for transition costs for the move from the previous Secretary General to the new appointee.
- Society operation costs are budgeted to grow to \$50K in 2015 to accommodate work on a revised CGS website.
- Finally, the 2015 miscellaneous budget has been set at \$20,000 to permit the introduction of new member programs.
- The net result is a 2015 budget which proposes a deficit of \$22K. Considering the overall healthy financial position of the CGS, combined with the sound financial performance that materialized in the previous years, it is considered acceptable to budget for a \$22K loss for the year 2015.

	Revenue (x \$1,000)			
	2013 Actuals	2014		Proposed 2015 Budget
		Ratified Budget	Projected to year end	
Membership Dues	263.9	255.0	258.0	260.0
Publications	70.4	60.0	60.0	55.0
Conferences	27.2	20.0	20.0	22.0
Sponsorships	8.5	10.0	8.0	9.0
Miscellaneous	6.3	5.0	5.0	5.0
SUBTOTALS	376.3	350.0	351.0	351.0

	Expenses (x \$1,000)			
	2013 Actuals	2014		Proposed 2015 Budget
		Ratified Budget	Projected to year end	
Intl. Memberships	30.9	35.0	35.0	35.0
Conference Expenses	8.4	6.0	6.0	8.0
Publication Costs	136.2	115.0	115.0	110.0
Staff Fees/Expenses	146.8	142.0	142.0	150.0
Society Operations	37.9	50.0	45.0	50.0
Miscellaneous	4.5	22.0	12.0	20.0
SUBTOTALS	264.7	370.0	355.0	373.0
EXCESS/ DEFICIENCY OF REVENUE OVER EXPENSES	11.6	-20.0	-4.0	-22.0

**Rapport d'activités du vice-président des finances – Dharma Wijewickreme
Automne 2014**

Généralités

Ce rapport présente une mise à jour du bilan financier de la Société canadienne de géotechnique (SCG) pour l'exercice 2013, ainsi que les chiffres cumulés à ce jour (jusqu'au 30 juin 2014) du budget ratifié par les membres pour l'exercice 2014, lors de la conférence annuelle de 2013 à Montréal. Un bilan faisant état de l'actif et du passif actuels de la SCG se trouve en annexe.

Bilan financier de 2013

Le bilan financier de l'exercice 2013 est résumé dans les tableaux ci-dessous. Ces données proviennent des états financiers vérifiés fournis par la firme Johnsen Archer LLP.

	Revenus (en milliers de \$)		
	2012 Réels	2013	
		Budget ratifié	Totaux – Fin de l'exercice
Cotisations des membres	251,9	255,0	263,9
Publications	43,7	45,0	70,4
Conférences	70,6	25,0	27,2
Commandites	26,5	8,0	8,5
Divers	6,8	6,0	6,3
SOUS-TOTAUX	399,5	339,0	376,3

	Dépenses (en milliers de \$)		
	2012 Réels	2013	
		Budget ratifié	Totaux – Fin de l'exercice
Adhésions internationales	33,2	35,0	30,9
Dépenses associées aux conférences	3,0	5,0	8,4
Coûts des publications	114,2	130,0	136,2
Honoraires/Dépenses associés au personnel	144,9	135,0	146,8
Activités d'exploitation de la Société	44,0	45,0	37,9
Divers	0,1	0,0	4,5
Don ponctuel	60,0	0,0	0,0
SOUS-TOTAUX	399,4	350,0	364,7
EXCÉDENT/INSUFFISANCE DES REVENUS SUR LES DÉPENSES	0,1	-11,0	11,6

Comme indiqué dans l'état des profits et des pertes, au 31 décembre 2013, la SCG a réalisé des revenus dépassant les dépenses de 11 600 \$ comparativement à la perte budgétisée de 11 000 \$. Les précisions sur l'exercice 2013 et la comparaison avec les pertes et profits de l'exercice précédent sont présentées ci-dessous.

Remarques sur les revenus pour l'exercice 2013 :

Pour l'exercice 2013, les principales sources de revenus de la SCG demeurent les cotisations des membres, les revenus de publication (principalement du *MCIF*), et de l'excédent des revenus sur les dépenses des conférences (principalement, la conférence annuelle).

- Nombre de membres Au 31 décembre 2013, la SCG comptait 1 254 membres. Ceux-ci étaient compilés dans les différentes catégories de membres de la façon suivante : ordinaires – 1 002; étudiants – 88; retraités – 63; internationaux – 69; SCGC (deuxième société) – 22; AIH (deuxième société) – 5; et NAGS (deuxième société) – 5. Historique des adhésions (1 214 en 2012; 1 168 en 2011; 1 203 en 2010; 1 208 en 2009 et 1 202 en 2008).
- Publications En 2013, nous avons vendu 216 exemplaires de la version anglaise du *Manuel canadien d'ingénierie des fondations (MCIF)*, au 31 décembre. Bien qu'on s'attendait à ce que les recettes de la version anglaise du *MCIF* diminuent, l'édition française a produit des ventes de 140 exemplaires, générant des bénéfices menant à des revenus de publication totaux à la fin de l'exercice de 70 400 \$.
- Conférences En 2013, la SCG a tenu deux conférences.
 1. La 66^e conférence annuelle canadienne de géotechnique, en collaboration avec l'Association internationale des hydrogéologues - Section nationale canadienne (AIH-SCN) et la North American Geosynthetic Society (NAGS), qui a eu lieu à Montréal (Québec), au Canada, du 29 septembre au 3 octobre 2013. Le Comité organisateur local a reçu une somme de 10 000 \$, à titre de fonds de démarrage.
 2. La 4^e conférence canadienne des jeunes géotechniciens et géoscientifiques (ou 4^e cYGEGC), qui a eu lieu à Mont-Tremblant, au Québec, du 3 au 6 octobre 2013. Une somme de 5 000 \$ a été versée, à titre de fonds de démarrage.

3. On a également versé 1 000 \$ en fonds de démarrage à la 3^e conférence sur les technologies du changement climatique qui a eu lieu du 27 au 29 mai 2013, à Montréal, au Québec. Elle avait été organisée par l'Institut canadien des ingénieurs.

L'excédent des revenus sur les dépenses des conférences est dû à GéoMontréal 2013 et à la 4^e conférence canadienne des jeunes géotechniciens et géoscientifiques. Pour GéoMontréal 2013, un paiement net de 20 000 \$ à la SCG a été estimé à la fin de l'exercice 2013, car la comptabilité finale de la conférence n'avait pas été terminée à temps pour la vérification de 2013. Selon les renseignements disponibles, on s'attend maintenant à ce que le paiement net réel à la SCG soit de 23 500 \$. Les 3 500 \$ supplémentaires seront donc comptabilisés dans les comptes de 2014. La 4^e cYGEGC a produit un paiement net de 5 100 \$ à la SCG. Il convient de souligner que les revenus nets sur les dépenses des conférences sont partagés selon les protocoles d'entente établis entre la SCG (la Société nationale), la section locale (ou le comité technique) qui accueille une conférence et les autres organismes participants, le cas échéant.

- Commandites Les revenus totaux des commandites de sociétés en 2013 ont été de 8 500 \$ et étaient en hausse comparativement aux 6 000 \$ budgétisés, car un grand nombre de nouvelles sociétés s'est joint au programme l'année dernière.
- Divers Les revenus divers comprennent les revenus d'intérêt/de placement et la part des recettes du site sur les carrières de l'ICI revenant à la SCG. Comme les faibles taux d'intérêt se maintiennent, les revenus provenant de cette source sont minimes. Des mesures ont été prises pour déterminer ce qui constituerait la meilleure façon d'investir ces fonds.

Remarques sur les dépenses pour l'exercice 2013 :

- Adhésions internationales Les dépenses de la SCG de 30 900 \$ sont inférieures aux 35 000 \$ indiqués dans le budget ratifié.
- Dépenses associées aux conférences Les dépenses de la SCG sont légèrement supérieures aux 5 000 \$ indiqués dans le budget ratifié en raison de notre soutien envers la présence de jeunes membres au congrès 2013 de la SIMSG, à Paris.
- Coûts de publication Les coûts de publication comprennent la publication du magazine *Geotechnical News*, du *Manuel canadien d'ingénierie des fondations* et des versions en ligne et imprimée de la *Revue canadienne de géotechnique*. En 2013, le *Manuel canadien d'ingénierie des fondations* (MCIF) a été mis en page et imprimé à des coûts s'élevant à 19 500 \$. En raison de l'augmentation prévue des ventes du MCIF à la fin de l'exercice, 7 700 \$ additionnels ont été engagés pour les commissions de vente, faisant passer le total à la fin de l'exercice à 136 200 \$.
- Coûts et dépenses associés au personnel : Le coût total des honoraires et des dépenses associés au personnel de la SCG en 2013 a été de 146 800 \$, quelque 1 900 \$ de plus qu'en 2012.
- Activités d'exploitation de la Société Les dépenses pour l'exploitation de la Société se sont chiffrées à 37 900 \$, ce qui est 8 100 \$ de moins qu'en 2012. Le principal secteur responsable de cette réduction des dépenses a été les coûts associés à Internet/au Web; ils ont été moins élevés en 2013, car aucune modification ou amélioration importante n'a été apportée au site Web l'année dernière.
- Divers Les dépenses diverses sont des frais ponctuels de 4 500 \$ pour produire des tasses arborant le logo de la SCG. Ces tasses ont été distribuées gratuitement aux délégués assistant à la conférence de la SCG à Montréal. L'initiative augmente la visibilité de la SCG auprès des jeunes membres. Elle se conforme aux suggestions formulées en septembre 2011 par le Comité des cotisations de la SCG.
- Dons ponctuels Aucun don ponctuel n'a été reçu cette année.

Mise à jour financière pour 2014

Le budget 2014 de la SCG qui a été ratifié par les membres lors de la conférence annuelle de 2013 à Montréal est résumé ci-dessous. Les revenus et les dépenses au 30 juin 2014 sont également indiqués, ainsi que les prévisions pour la fin de l'exercice (en présumant qu'elles sont les mêmes que celles ratifiées au mois d'août 2013). Les données réelles de l'exercice 2013 sont fournies à titre de comparatif. Il faut examiner ces montants en gardant à l'esprit que ce rapport repose sur des données préliminaires.

	Revenus (en milliers de \$)				
	Réels 2013	Budget ratifié	2014		Projection – Fin de l'exercice
			Au 30 juin 2014		
			\$	% de 2014	
Cotisations des membres	263,9	255,0	248,8	98	258,0
Publications	70,4	60,0	31,8	53	60,0
Conférences	27,2	20,0	0,0	-	20,0
Commandites	8,5	10,0	0,0	-	8,0
Divers	6,3	5,0	0,5	10	5,0
SOUS-TOTAUX	376,3	350,0	281,1	80	351,0

	Dépenses (en milliers de \$)				
	Réels 2013	Budget ratifié	2014		Projection – Fin de l'exercice
			Au 30 juin 2014		
			\$	% de 2014	
Adhésions internationales	30,9	35,0	3,7	11	35,0
Dépenses associées aux conférences	8,4	6,0	0,0	-	6,0
Coûts des publications	136,2	115,0	79,4	69	115,0
Honoraires/Dépenses associés au personnel	146,8	142,0	70,7	50	142,0
Activités d'exploitation de la Société	37,9	50,0	22,8	46	45,0
Divers	4,5	22,0	0,0	-	12,0
Don ponctuel	0,0	0,0	0,0	-	0,0
SOUS-TOTAUX	364,7	370,0	176,6	48	355,0

EXCÉDENT/INSUFFISANCE DES REVENUS SUR LES DÉPENSES	11,6	-20,0	104,5	s.o.	-4,0
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Remarques sur les revenus pour l'exercice 2014 :

Pour l'exercice 2014, on prévoit que les principales sources de revenus de la SCG soient les cotisations des membres, les revenus de publication (principalement du *Manuel canadien d'ingénierie des fondations - MCIF*), et l'excédent des revenus sur les dépenses des conférences (principalement, la conférence annuelle).

- Nombre de membres Au 1^{er} août 2014, nous comptons 1 436 membres, comparativement à 1 203 membres au 1^{er} août de l'année dernière. En voici la compilation actuelle par catégorie de membres : ordinaires – 1 028; étudiants – 244; retraités – 57; internationaux – 79; SCGC (deuxième société) – 26; et NAGS (deuxième société) – 2. Historique des adhésions (1 254 en 2013; 1 214 en 2012; 1 168 en 2011; 1 203 en 2010, 1 208 en 2009; et 1 202 en 2008). On prévoit que les cotisations des membres seront conformes aux prévisions budgétaires. Comme les cotisations des membres de la SCG sont inchangées en 2014, il est juste de présumer que le nombre total de membres se maintiendra en 2014 et que, par conséquent, les revenus provenant de cette source seront équivalents à ceux de ces dernières années.
- Publications On prévoit que les revenus de publication demeurent relativement stables en 2014. Les ventes de la version française du *MCIF* devraient compenser la baisse des ventes de sa version anglaise.
- Conférences En 2014, la SCG a prévu/tenu deux conférences.
 1. La 67^e conférence canadienne de géotechnique a eu lieu à l'hôtel Delta Regina, situé à Regina (Saskatchewan), au Canada, du dimanche 28 septembre au mercredi 1^{er} octobre 2014. Un PE a été conclu avec le comité organisateur local. GéoRegina a reçu une somme de 10 000 \$ de la SCG, à titre de fonds de démarrage. On prévoit que GéoRegina réalisera un excédent des revenus sur les dépenses; cependant, il est trop tôt pour savoir à combien il se chiffrera comparativement aux conférences de 2012 et 2013.
 2. La 6^e conférence canadienne sur les géorisques (Géorisques 6) a été tenue à Kingston, en Ontario, du 15 au 18 juin 2014. Un PE a été conclu avec les organisateurs, et une somme de 10 000 \$ leur a été fournie, à titre de fonds de démarrage.
- Commandites L'appel de renouvellement des commandites de sociétés débute habituellement au cours du deuxième ou du troisième trimestre. Tous les anciens commanditaires ont maintenant été contactés, et on s'attend à ce que les revenus en 2014 soient semblables à ceux de 2013, mais n'atteindront probablement pas les 10 000 \$ budgétés.
- Divers Les revenus divers découlent une fois de plus principalement de dividendes de placement. Comme les faibles taux d'intérêt se maintiennent, les revenus provenant de cette source sont minimes.

Remarques sur les dépenses pour 2014 :

- Adhésions internationales On prévoit que les dépenses de la SCG se conformeront au budget ratifié de 35 000 \$. Ces fonds sont habituellement versés aux sociétés internationales au cours du troisième trimestre, après que la majorité des inscriptions des membres ont été reçues; c'est pourquoi la plupart d'entre elles ne sont pas calculées dans les données au 30 juin 2014.
- Dépenses associées aux conférences On anticipe que les dépenses de la conférence de la SCG se conformeront au budget ratifié de 6 000 \$.
- Coûts des publications Les coûts totaux des publications sont associés au magazine *Geotechnical News*, à la *Revue canadienne de géotechnique* et au *Manuel canadien d'ingénierie des fondations* (ses versions française et anglaise). Il n'y a aucuns frais d'impression prévus en 2014, car nous avons suffisamment d'exemplaires du *MCIF* (versions française et anglaise) en stock pour répondre aux ventes anticipées cette année. Les abonnements aux versions électronique et papier de la *Revue canadienne de géotechnique* se chiffrent déjà à 44 100 \$. On prévoit que les dépenses de la SCG se conformeront au budget ratifié de 115 000 \$.
- Coûts associés au personnel On anticipe que les dépenses de la SCG se conformeront au budget ratifié de 142 000 \$. On ne s'attend à aucun changement important relativement aux coûts des activités d'exploitation de la Société pour l'exercice 2014. Cependant, si le nouveau secrétaire général commence avant le 31 décembre 2014, ces coûts augmenteront en raison du

chevauchement de postes.

- Activités d'exploitation de la Société Selon les dépenses engagées à ce jour, on prévoit que les dépenses de la SCG correspondront au budget ratifié de 50 000 \$.
- Divers Le budget des dépenses diverses pour 2014 a été augmenté à 22 000 \$, pour financer les éléments promotionnels supplémentaires qui ont été adoptés lors de la réunion du conseil d'administration de la SCG du 29 septembre 2013. L'initiative des épinglettes de service pour les membres a été lancée au coût de 5 000 \$. Des dépenses diverses de 7 000 \$ sont associées à des coûts non remboursés de la Tournée de conférences pancanadiennes et d'autres initiatives prévues par la Société. Si la TCP de l'automne n'a pas lieu, les dépenses diverses seront réduites d'environ 3 000 \$.

La prévision nette pour la fin de l'exercice 2014 suggère des dépenses nettes dépassant de 4 000 \$ les revenus, ce qui correspondrait à 16 000 \$ de moins que la perte de 20 000 \$ budgétisée approuvée en 2013 pour l'exercice 2014. L'adoption l'année dernière d'une perte budgétaire nette a été considérée comme acceptable en raison de la bonne situation financière générale de la SCG, avec des actifs nets se chiffrant à plus de 750 000 \$. Au 30 juin 2014, il est toujours difficile de prédire avec précision les chiffres à la fin de l'exercice 2014, mais en ce moment, il semble que la Société soit sur la bonne voie pour terminer l'exercice près de l'équilibre budgétaire.

Budget proposé pour 2015

Le budget proposé pour l'exercice 2015 est présenté ci-dessous, avec des commentaires suivis d'un tableau sommaire.

Revenus

- Il est proposé que les cotisations des membres ne changent pas en 2015. On présume que le nombre total de membres se maintiendra en 2015 et que, par conséquent, les revenus provenant de cette source seront équivalents à ceux des dernières années. Une légère augmentation de 2 000 \$ de plus que les 258 000 \$ de revenus réels prévus en 2014 a été budgétisée.
- On prévoit que les revenus de publications diminueront légèrement en 2015 en raison du plafonnement des ventes des versions anglaise et française du *MCIF*, et ces derniers sont budgétisés à 55 000 \$ en 2015.
- Il est prévu que la conférence de la SCG dans la ville de Québec produise des revenus nets semblables à ceux des conférences précédentes, et 22 000 \$ ont été budgétisés.
- Il est anticipé que les revenus de commandite soient semblables à ceux des années précédentes, et une légère augmentation de 9 000 \$ a été budgétisée.
- Les recettes diverses découlent principalement des revenus d'intérêt et de placement. Dans le contexte actuel de faibles taux d'intérêt pour les placements sûrs, elles ne devraient pas augmenter en 2015.

Dépenses

- Aucun changement aux coûts associés aux membres internationaux n'est prévu en 2015.
- Les dépenses des conférences ont été estimées à 8 000 \$ en raison de la mise en œuvre d'un modèle de subvention pour la participation d'étudiants parrainés.
- Avec des revenus légèrement inférieurs prévus pour les ventes de publications, les dépenses dans ce secteur diminueront également, une réduction estimée à 5 000 \$ qui entraînera des dépenses anticipées à 110 000 \$.
- Par rapport aux prévisions de la fin d'exercice 2014, on a prévu une augmentation d'environ 5 % du budget des honoraires et des dépenses associés au personnel en 2015, à 150 000 \$. Cela permettra d'assumer les coûts de transition pour passer de l'ancien secrétaire général à la nouvelle personne nommée.
- Les coûts des activités d'exploitation de la Société sont budgétisés pour augmenter à 50 000 \$ en 2015 pour tenir compte du travail effectué sur la révision du site Web de la SCG.
- Finalement, le budget des dépenses diverses pour l'exercice 2015 a été établi à 20 000 \$ afin de permettre l'introduction de nouveaux programmes de membre.

- Le résultat net est un budget 2015 qui propose un déficit de 22 000 \$. Compte tenu de la bonne situation financière générale de la SCG, combinée à la solide prestation financière qui a été réalisée au cours des années précédentes, il est considéré comme acceptable de budgétiser une perte de 22 000 \$ pour l'exercice 2015.

	Revenus (en milliers de \$)			
	Réels 2013	2014		Budget proposé Budget 2015
		Budget ratifié	Projection – Fin de l'exercice	
Cotisations des membres	263,9	255,0	258,0	260,0
Publications	70,4	60,0	60,0	55,0
Conférences	27,2	20,0	20,0	22,0
Commandites	8,5	10,0	8,0	9,0
Divers	6,3	5,0	5,0	5,0
SOUS-TOTAUX	376,3	350,0	351,0	351,0

	Dépenses (en milliers de \$)			
	Réels 2013	2014		Budget proposé Budget 2015
		Budget ratifié	Projection – Fin de l'exercice	
Adhésions internationales	30,9	35,0	35,0	35,0
Dépenses associées aux conférences	8,4	6,0	6,0	8,0
Coûts des publications	136,2	115,0	115,0	110,0
Honoraires/Dépenses associés au personnel	146,8	142,0	142,0	150,0
Activités d'exploitation de la Société	37,9	50,0	45,0	50,0
Divers	4,5	22,0	12,0	20,0
SOUS-TOTAUX	264,7	370,0	355,0	373,0
EXCÉDENT/ INSUFFISANCE DES PRODUITS SUR LES CHARGES	11,6	-20,0	-4,0	-22,0

Vice President Communications - Catherine Mulligan
Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This report is a summary of the activities related to communication with CGS members. It deals with the CGS website, E-news electronic messaging and with promotional material.

CGS Member News

The primary mechanisms for delivering news messages directly to CGS members are through the CGS News section of *Geotechnical News* (mailed to members four times each year and also posted on the CGS website) and by e-mail using our CGS E-News format.

CGS News contains comprehensive information on CGS activities, member news and upcoming events or nomination deadlines. Online access to *Geotechnical News* is provided through the member section of the CGS website – the key items in the CGS News segment including the President's Message are also posted on the CGS website and are accessible directly from the home page. Due to space limitations on CGS News items in the printed journal and determined by the publisher, we are not able to provide all items in both English and French. However, I am pleased to report that the CGS News items reposted on the CGS website are all available in both official languages.

CGS E-News messages to members include longer, comprehensive newsletters that go to all members, which are supplemented by shorter, specific messages that may go to all or just a select sub-group.

The latest CGS E-news was sent on on June 18, 2014 to all active 2014 members. Three mini-news items have been issued since July 1, 2013 including a Call for Nominations message sent to the Engineering Geology and Rock Mechanics Division members (January 24, 2014) the Call for Secretary General Applicants (January 31, 2014), an announcement of a specialty geosynthetics webinar sent to geosynthetics practitioners (March 19, 2014) and a notice about extending the nomination dates for EIC awards went out on July 12, 2014.

CGS members also receive direct e-mail communication from the local committees running the annual conferences and our specialty conferences. Since July 1, 2013, these included:

- GeoMontreal 2013 – July 21, August 1, September 3
- GeoRegina 2014 – November 25, 2013, December 4, 2013, January 4, 2014, March 21, 2014 and a conference newsletter was sent out on July 22, 2014 announcing the short courses and reminding potential delegates about the early pricing deadline of July 31, 2014.
- GeoHazards 6 – October 15, 2013, November 1, 2013, February 7, 2014, March 18, 2014, April 15, 2014, May 1, 2014

CGS Website

The CGS website continues to be an important portal for information on the CGS, for both members and the public. New information was added this year including the 2012/2013 annual report, the 2013 Award Recipients, and an updated page on the CGS Executive and Board. CGS administration staff make an effort to contact the sections, divisions and committees annually to obtain updates for these pages with mixed results – unfortunately many pages are not as current as they should be, including details on current executive members.

A key element of the CGS website is the online Calendar of Events – at the time of writing this report, 51 events were posted for 2014. As postings are region-specific, sections are encouraged to post their events in the online calendar so members can easily find upcoming events in their area. Each section page also contains a mini-calendar of upcoming events taking place in that greater region.

Requests for postings on the CGS online Calendar of Events can be directly submitted by organizations using the online entry link on the CGS website, or are sent to the VP Communications by e-mail.

Member Registration/Renewal

Communication to members regarding online member registration and renewal continues to run very smoothly. CGS members have been contacted by the National office by e-mail three times, including the

initial renewal appeal sent on December 5, 2013 and two follow up reminders sent January 27 and February 27, 2014.

The number of individuals who reply asking to be sent a paper renewal form continues to drop each year, and was under 10 during the last renewal campaign.

Promotional Materials

CGS members who attended GeoMontreal 2013 received a small “present” from CGS at registration – a CGS Coffee Mug was approved by the Executive Committee last year and 750 were distributed at the conference. The EC is considering plans to order and distribute other CGS items to help promote the CGS brand.

CGS Trade Show Booth

The CGS Booth is always put up at the Annual Conference to market the society to potential members. The booth is available to any section, committee or division that is running an event in order to help promote the CGS brand. Membership information brochures are available in both languages for handouts at the booth.

LinkedIn

Establishment of a separate CGS LinkedIn site is being considered. EIC would like us to go under their group site. Further discussion is encouraged at the EC meeting.

Vice-présidente aux communications – Catherine Mulligan ***Activités du 1^{er} juillet 2013 au 30 juin 2014***

Introduction

Le présent rapport est un résumé des activités liées aux communications avec les membres de la SCG. Il traite du site Web de la SCG, des messages électroniques du bulletin @ctualités et du matériel promotionnel.

Nouvelles transmises aux membres de la SCG

Les principaux mécanismes pour transmettre des nouvelles directement aux membres de la SCG sont par le biais de la section CGS News du magazine *Geotechnical News* (posté aux membres quatre fois par année et aussi affiché sur le site Web de la SCG) et de courriels, en utilisant notre format de bulletin @ctualités de la SCG.

La section CGS News contient de l'information exhaustive sur des activités de la SCG, des nouvelles sur les membres et des événements à venir ou des dates limites pour des candidatures. Il est possible d'accéder en ligne au magazine *Geotechnical News* par le biais de la Section des membres du site Web de la SCG. Les éléments importants de la section CGS News, y compris le message du président, sont également affichés sur le site Web de la SCG et sont accessibles directement à partir de la page d'accueil. En raison de contraintes d'espace pour les articles de la section CGS News dans la version papier du magazine et d'une décision de l'éditeur, nous ne sommes pas en mesure d'offrir tous les articles en anglais et en français. Je suis toutefois heureuse d'annoncer que les articles de la section CGS News affichés sur le site Web de la SCG sont tous disponibles dans les deux langues officielles.

Les messages aux membres dans le bulletin @ctualités de la SCG comprennent des bulletins complets plus longs qui s'adressent à tous les membres, qui sont complétés par des messages précis plus courts ou de courts articles qui peuvent s'adresser à tous ou seulement à un sous-groupe donné de membres.

Le dernier numéro du bulletin @ctualités de la SCG a été envoyé le 18 juin 2014 à tous les membres actifs en 2014. Quatre petites annonces ont été publiées depuis le 1^{er} juillet 2013 : un appel de candidatures à l'intention des membres des Divisions de la géologie de l'ingénieur et de la mécanique des roches (24 janvier 2014), l'appel de candidatures pour le poste de secrétaire général (31 janvier 2014), l'annonce d'un webinaire spécialisé sur la géosynthétique s'adressant aux praticiens de

la géosynthétique (19 mars 2014) et une annonce sur le report des dates de mise en candidature pour les prix de l'ICI (12 juillet 2014).

Les membres de la SCG reçoivent également des communications par courriel directement des comités locaux organisant nos conférences annuelles et spécialisées. Voici les communications envoyées depuis le 1^{er} juillet 2013 :

- GéoMontréal 2013 – 21 juillet 2013, 1^{er} août 2013 et 3 septembre 2013
- GéoRegina 2014 – 25 novembre 2013, 4 décembre 2013, 4 janvier 2014, 21 mars 2014 et un bulletin sur la conférence a été envoyé le 22 juillet 2014 annonçant les cours intensifs et rappelant aux délégués potentiels la date limite pour le prix de préinscription du 31 juillet 2014.
- Géorisques 6 – 15 octobre 2013, 1^{er} novembre 2013, 7 février 2014, 18 mars 2014, 15 avril 2014 et 1^{er} mai 2014.

Site Web de la SCG

Le site Web de la SCG continue à être un important portail d'information sur la SCG pour les membres et le public. De nouvelles informations ont été ajoutées cette année, notamment le rapport annuel 2012-2013, les personnes qui ont gagné un prix en 2013 et une page actualisée sur le Comité exécutif et le conseil d'administration de la SCG. Le personnel administratif de la SCG s'efforce de communiquer avec les sections, les divisions et les comités chaque année pour obtenir les nouveaux renseignements pour ces pages, mais obtient des résultats mitigés. Malheureusement, un grand nombre de pages ne sont pas aussi actuelles qu'elles le devraient, y compris les détails sur les membres actuels du Comité exécutif.

Un élément important du site Web de la SCG est le Calendrier des événements en ligne. Au moment de rédiger ce rapport, 51 événements étaient affichés pour 2014. Comme la région dans laquelle les événements affichés se déroulent est indiquée, les sections sont encouragées à afficher leurs événements dans le calendrier en ligne pour que les membres puissent facilement trouver les événements à venir dans leur région. La page de chaque section comporte également un petit calendrier des événements à venir dans cette région.

Les demandes d'affichage dans le calendrier des événements en ligne de la SCG peuvent être soumises directement par les organisations en utilisant le lien d'entrée sur le site Web de la SCG ou être envoyées par courriel à la vice-présidente aux communications.

Inscription de membre/Renouvellement de l'adhésion

Les communications à l'intention des membres au sujet de l'inscription et du renouvellement de l'adhésion en ligne continuent à être transmises sans problème. Le Bureau national a communiqué trois fois avec les membres de la SCG par courriel à propos de : l'appel de renouvellement initial envoyé le 5 décembre 2013, et de deux rappels envoyés le 27 janvier et le 27 février 2014.

Le nombre de personnes qui répondent en demandant de leur envoyer la version papier du formulaire de renouvellement continue à diminuer chaque année et se chiffrait à moins de dix au cours de la dernière campagne de renouvellement.

Matériel promotionnel

Les membres de la SCG qui ont assisté à GéoMontréal 2013 ont reçu un petit « cadeau » de la SCG lors de leur inscription, une tasse à café de la SCG qui a été approuvée par le Comité exécutif l'année dernière, et 750 d'entre elles ont été distribuées à la conférence. Le CE examine des plans pour commander et distribuer d'autres articles à l'effigie de la SCG pour aider à promouvoir la marque.

Stand de salon professionnel de la SCG

Le stand de la SCG est toujours installé à la conférence annuelle pour faire la promotion de la Société aux membres potentiels. Le stand est offert à toute section, division ou à tout comité qui organise un événement afin d'aider à promouvoir la marque de la SCG. Des brochures d'information sur l'adhésion sont offertes dans les deux langues à des fins de distribution au stand.

LinkedIn

La possibilité de créer un site LinkedIn de la SCG distinct est étudiée. L'Institut canadien des ingénieurs (ICI) aimerait que nous nous joignons au site de son groupe. De plus amples discussions à ce sujet seront encouragées à la réunion du CE.

**Section Summary Report – Paul Dittrich, Sections Representative
Report of Activities – July 1, 2013 to June 30, 2014**

Section final annual reports for the period from July 1, 2013 – June 30, 2014 have been submitted by the Local Sections of the CGS. Most local sections have reported being active during the year, with the exception of New Brunswick, Thunder Bay, and Sudbury, however it is noted that New Brunswick and Sudbury have plans in place to host events in the Fall of 2014. Active local sections have provided their members access to technical presentations (most at lunch or dinner lectures), and special events such as the Cross-Canada Lecture Tours, Student Competitions (incl. an MSE Wall Construction Competition by the Winnipeg Section), 1 or 2 Day Seminars, and social activities such as Annual Dinners/Banquets and Golf Tournaments. Some novel events included the CGS-SOS Toronto Group holding its 2nd Annual Settlement Prediction Contest. Participation at the events has generally ranged from about 15 to 100 attendees (with some events attracting up to 200 participants). Membership in the local Sections reportedly ranges from about 20 to more than 250 members.

The financial status of the larger sections remains in excellent condition (many with more than \$10,000 on account) while some of the smaller sections are operating on a break-even basis with less than a few thousand dollars in the bank. Many of the sections continue to sponsor students or engineers-in-training to attend the Annual CGS Conference; some are providing scholarships/bursaries to local geotechnical undergraduate or graduate students.

A summary of the available information on the number of events held by each Section (grouped by Regions) is shown below. Further information regarding the local programming is provided in the reports prepared by each of the Section Directors and attached in the following pages.

Region	Section	Executive Members	Number of Events					Total Events
			CCLT	Technical Presentations	Workshops/ Short Courses	Student Events	Golf/Social Events	
Atlantic	New Brunswick	3	<i>(planning 2 to 3 events for Fall of 2014)</i>					0
	Nova Scotia	3	1					1
	St. John's, NL	3		1				1
Eastern Quebec	Quebec City	13	2	9	2		1	14
Western Quebec	Montreal ⁽¹⁾	6	2	4		1	1	8
Northern and Eastern Ontario	Kingston ⁽²⁾	8	2	5		2		9
	Ottawa	11	2	5		1	1	9
	Thunder Bay	5	<i>(currently Inactive)</i>					0
Southern Ontario	London	13		7				7
	Sudbury	2	<i>(planning 2 events for Fall of 2014)</i>					0
	Toronto	12	2	3	1	1	3	10
Manitoba	Winnipeg	7	2	5		1	1	9
Saskatchewan	Regina ⁽³⁾	6		6				6
	Saskatoon	10	2	4		1		7
Southern Alberta	Calgary	12	2	6		1		9
Northern Alberta N.W. Territories and Yukon	Edmonton	17	2	5	1	1	1	10
British Columbia	BC Interior	3		3				3
	Prince George	3	2	1				3
	Vancouver	10	2	8	1			11
	Vancouver Island	4	1	8	1			10
Total	20	151	24	80	6	9	8	127

Notes: 1. Hosted 66th Canadian Geotechnical Conference/11th Joint CGS/IAH-CNC Groundwater Conference in Montreal.
2. Hosted 6th Canadian GeoHazards Conference in June 2014.
3. Preparing to host the 67th Canadian Geotechnical Conference in Regina.

Vancouver Island Section (Vancouver Island Geotechnical Group)
J. Suzanne Powell, Section Director
Annual Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This report summarizes the activities of the Vancouver Island Geotechnical Group (VIGG) of the Canadian Geotechnical Society for the period from July 1, 2013 to June 30, 2014. The group has active members across southern and central Vancouver Island, BC.

Executive Committee

The 2013-2014 executive committee of the Vancouver Island Geotechnical Group consists of the following members:

Section Director/Chair: J. Suzanne Powell, PhD., EIT, Thurber Engineering Ltd.
Program Director/Past Chair: Jay McIntyre, P.Eng., Thurber Engineering Ltd.
Secretary / Treasurer: Sarah Morse, P.Eng., Golder Associates Ltd.
Registrar: Andrew Jackson, GIT, Ryzuk Geotechnical

Membership

According to CGS records, there are approximately 35 CGS members within our region. In general, most of our regular attendees (20 to 30 professionals) are CGS members. The remaining attendees are comprised of non-geotechnical professionals (hydrogeologists, geophysicists, etc.) and retired engineers.

Meetings

The Vancouver Island Geotechnical Group conducts its meetings in a luncheon format in Victoria, BC. Our meetings typically run from September to April each year. We have continued to try to provide attendees with a wide variety of topics. A total of nine luncheons have been held between July 1, 2013 and June 30, 2014, with guest speakers and topics as indicated in Table 1 below.

This year we also hosted a 1-day short course, with 16 participants, on piled foundations, presented by Dr. Bengt Fellenius on April 2, 2014.

Financial Status

The 2012-2013 year-end balance was \$3444.99. We continue to offer a voluntary annual membership fee for CGS members, whereby members receive a nominal discount for the luncheon costs. This fee continues to be well received by our members and provides a modest increase in our yearly revenue as we generally make little profit on each of the luncheons.

Moving forward we would like to be able to host additional speakers from the mainland. We generally limit this to one speaker per session as we do not have the budget to cover multiple speaker expenses in addition to hosting the CCLT's each year. By hosting the 1-day short course this year we generated a profit of \$1300 which we will enable us to attract additional speakers from the mainland during the 2014-2015 session.

Our current balance as of May 31, 2014 is \$5247.80. This is higher than our projected year-end balance from our half year report as we made slightly more profit than anticipated from the 1-day short course.

TABLE 1 – VIGG Talks (September, 2013 to May, 2014)

Date	Speaker	Attendance	Topic
September 17, 2013	Alan Macnab, P.Eng, D.G.E., Macnab Consultants	27	State of the Practice of Anchored Earth Retention Design and Construction
October 25, 2013	Chris Weech, M.A.Sc., P.Eng, Thurber Engineering Ltd.	18	A Method for Predicting the Axial Resistance of Helical Piles Installed in Cohesive Soils

November 19, 2013	Jacek Scibek, M.Sc., SRK Consulting	23	Water Budgets and Hydrogeology on the Gulf Islands: Gabriola Island
January 21, 2014	Mel Best, Ph.D., Bemex Consulting International	27	Groundwater Mapping in Northeast BC – examples from Horn River and Montnay areas
February 26, 2014	Uthaya M. Uthayakumar, Ph.D., P.Eng	14	South Fraser Perimeter Road Project
March 18, 2014	Tuna Onur, Ph.D.	24	Selection and Modification of Time-Histories for Southwestern BC
April 15, 2014	Patrick McLaren, Ph.D., P.Geo.	21	Sediment Trend Analysis (STA®): Its use in Sediment Management, Dredging and underwater munition remediation.
May 7, 2014	Jim Graham, Ph.D., D.Sc.	21	CCLT – Natural Processes and Strength Degradation
May 27, 2014	Doug VanDine, P.Eng., P.Geo.,	22	Climbing Mt Kilimanjaro – A Geographic and Personal Story

Vancouver Section (Vancouver Geotechnical Society)
Jason Pellett, Section Director
Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This report is a summary of the activities of the Vancouver Geotechnical Society (VGS) of the Canadian Geotechnical Society, for the period from 01 July 2013 – 30 June 2014. The group has active members from the Greater Vancouver area and two members from Kelowna, BC. A dedicated executive committee has been successful in organizing several well-attended presentations and seminars throughout the season. For further information, please see the VGS web site: <http://www.v-g-s.ca>.

Executive Committee

The 2013-2014 Executive Committee of the VGS consists of the following members:

Role	Name	Company
<i>Chair</i>	<i>Ryan Mills</i>	<i>Tetra Tech EBA</i>
<i>Past-Chair</i>	<i>Andrea Loughheed</i>	<i>Thurber Engineering</i>
<i>Secretary</i>	<i>Chris Longley</i>	<i>Stantec</i>
<i>Treasurer</i>	<i>(Kumar) S. Sriskandakumar</i>	<i>BGC Engineering</i>
<i>Program Director</i>	<i>Ali Amini</i>	<i>Naesgaard-Amini Geotechnical</i>
<i>Registrar</i>	<i>Robyn Barnett</i>	<i>Tetra Tech EBA</i>
<i>Web Manager</i>	<i>Marc Bossé</i>	<i>Thurber Engineering</i>
<i>Member-at-Large</i>	<i>Carl Kelman</i>	<i>Levelton Consultants</i>
<i>Member-at-Large</i>	<i>Mike Hopson</i>	<i>Nilex</i>
<i>CGS Section Director</i>	<i>Jason Pellett</i>	<i>Tetra Tech EBA</i>

Activities

The VGS executive committee typically meets once a month to organize technical presentations and social events, and to review issues relevant to the society membership. Generally, the executive meetings take place immediately before the monthly technical presentations. The attendance at the technical presentation ranges from about 60 to 100 persons. Notices of upcoming events held by VGS

and other similar organizations in British Columbia and Washington State are distributed to all VGS members by email.

Membership

The VGS currently has 275 members, which includes 239 regular members, 20 student members and 16 Life members. The VGS membership is open to anyone interested in Geotechnical Engineering. Dues are used to cover the costs of monthly presentations, including meeting rooms, audio/visual equipment, and snacks. The annual membership dues are \$25 for regular members, \$5 for students and free for the Life members. Membership dues are usually collected at the Annual General Meeting in September.

Meetings

The 2013-2014 meetings held to date were as follows:

1. September 25, 2013 - VGS Annual General Meeting
"Rock Falls – Developments in modelling and design of protection structures"
Duncan Wyllie, Wyllie & Norrish Rock Engineers
2. October 21, 2013 - Cross Canada Lecture Tour
"Evaluating the Seismic Coefficient for Slope Stability and Retaining Wall Design"
Edward Kavazanjian, Jr., Professor, Arizona State University
3. November 13, 2013
"Critical Role of Laboratory Characterization in Geotechnical Modeling and Practice"
Yogi Vaid, Professor emeritus, University of British Columbia
4. December 4, 2013
"Estimation of Parameters for Seismic Design in Peru"
Manuel Monroy, Golder Associates Ltd.
5. January 22, 2014
"South Fraser Perimeter Road Project"
(Uthaya) M. Uthayakumar, Tetra Tech EBA
6. February 6, 2014
"Critical State Soil Mechanics: 125 years of history to current engineering use"
Mike Jefferies, Golder Associates Ltd.
7. March 4, 2014 – UBC/VGS Geological Engineering Distinguished Lecture
"Earthquake-Induced Landslides - Lessons from Taiwan, Pakistan, China and New Zealand"
David Petley, Professor, University of Durham, UK
8. April 16, 2014
"Less is more: Step zero and back of the envelope calculations"
Prof. David Muir Wood, University of Dundee, UK
9. May 7, 2014 - Cross Canada Lecture Tour
"Embankment deformations include creep in compression and shear"
Jim Graham PhD DSc FEIC PEng, Professor Emeritus, University of Manitoba
10. May 22 & 23, 2014 - VGS Short Course
"A Fresh Perspective on Soil Mechanics with Application to Geotechnical Design"
Professor Malcolm Bolton FEng, Cambridge University, UK
11. May 26, 2014 - VGS/UBC Joint Lecture
"Centrifuge Modeling: Expecting the Unexpected"
Professor Malcolm Bolton FEng, Cambridge University, UK

Financial Status

The VGS's operating budget is primarily funded by profits from past symposia, technical short courses and conferences. As of May 30, 2014, the VGS accounts balance totals \$72,604.11 of which \$11,461.92 was invested in a business savings account at ING Bank, with the remainder being used to fund regular operations. (Note that the expenses associated with the recently held VGS short course and upcoming VGS symposium have not yet been completely claimed).

Additional Information

The remaining events for the 2014 season include:

1. June 13, 2014 - 22nd Vancouver Geotechnical Society Symposium
“Foreshore Engineering”
Location: Vancouver Marriott Pinnacle Hotel, Vancouver, BC

CGS 2016 Conference

The Vancouver Geotechnical Society will be hosting the CGS Annual Conference in the fall of 2016. Planning for the conference is in the early stages and an organizing committee is in the process of being formed.

Prince George Section (Prince George Geotechnical Group)
Eric Mohlmann, Section Director
Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This report is a summary of the activities of the Prince George Geotechnical Group of the Canadian Geotechnical Society, for the period from 01 July 2013 to 30 June 2014. The group has active members from across north-central British Columbia, particularly from the Prince George area. Members meet regularly for technical presentations.

Executive Committee

The 2013-2014 Executive Committee of the Prince George Geotechnical Group consists of the following members:

Chair: Eric Mohlmann
Vice-Chair: Doug Dewar
Treasurer: Dave McDougall

Activities

The Prince George Geotechnical Group met on:

- October 22, 2013, Edward Kavazanjian CCLT presentation ‘Evaluating the Seismic Coefficient for Slope Stability and Retaining Wall Design’
- March 6, 2014, John Clague PGGG presentation ‘Central BC Glacial Geology’
- May 8, 2014, Jim Graham CCLT presentation ‘Embankment Deformations Including Creep Compressions and Shear’

Membership (and Corporate Sponsorship)

The Prince George Geotechnical Group currently has about 20 paid members from private consultants, government and industry. Meetings are well attended from members and non-members. A dedicated membership and donations from local companies help support and defray the costs of speakers.

Meetings

The 2013-2014 meetings held to date were as follows:

- October 22, 2013, Attendance: 17
- March 6, 2014, Attendance: 26
- May 8, 2014, Attendance: 20

Financial status

The Prince George Geotechnical Group currently has \$1,196.15.

Upcoming Events

- Carry out competition to choose a graduate student, EIT, GIT to attend 2014 Annual CGS Conference in Regina

BC Interior Geotechnical Group - Sumi Siddiqua, Section Director
Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This report summarizes the activities of BC's Interior Geotechnical Group (IGG) of the Canadian Geotechnical Society for the period from 01 July, 2013 to 30 June, 2014. The group consists of active participants from across south central British Columbia, particularly from Kelowna and surrounding areas.

Executive Committee

The Executive Committee of the Interior Geotechnical Group currently includes the following members:

Chair: Sumi Siddiqua, University of British Columbia Okanagan
Vice-Chair: Norm Williams, Interior Testing Services
Treasurer: Glen Rutherford, Golder Associates

Activities

The most recent IGG technical presentation was held on March 11, 2014. The event was sponsored by Rockfall Mitigation Systems Maccaferri Canada Ltd.

Membership (and Corporate Sponsorship)

The Interior Geotechnical Group has approximately 15+ CGS members from south central British Columbia. In addition, it attracts attendance and solicits membership in the society of the larger community of engineers, and geoscientists (including students, practitioners, and researchers) from the Okanagan area. The current contact list retains 87 active email addresses. There are no membership fees since managing the collection of money is not feasible with such small executive committee.

Meetings

- The meeting of March 11, 2014 had a technical presentation by Alberto Grimod from Rockfall Mitigation Systems Maccaferri Canada Ltd. In this talk Alberto presented the design of deformable rockfall barriers. He has a worldwide experience in the rockfall sector due to his position at Maccaferri's head office in Italy where he worked for several years as a rockfall specialist.
- The meeting of February 25, 2014 had a technical presentation on Rock falls by Duncan C. Wyllie from Wyllie & Norrish Rock Engineers Ltd. Duncan is a graduate of the University of California at Berkeley and has a total of 46 years of experience in the field of rock engineering. He is also the author/co-author of the books Rock Fall Engineering (2014), Rock Slope Engineering, 4th Ed. (2004); Foundations on Rock (1992, 1999 editions), and Landslides, Investigation and Mitigation (1996).
- The meeting of November 26, 2013 had a technical presentation by David J. Tara from Thurber Engineering Ltd. In this talk David presented Static Pile Loading Test of the Pitt River Bridge 2007. David J. Tara is a Principal of Thurber Engineering Ltd. and a professional engineer specializing in foundation design. He has been working in the areas of piles, pile design, installation and testing, soft ground and seismic engineering throughout Western Canada for more than 25 years.

Financial status

At present, the Interior Geotechnical Group is in good financial condition due to generated revenues from hosting of the 5th Canadian Geohazards Conference in the Okanagan campus. Moreover, we take advantage of lecture room facilities at the UBC Okanagan to reduce costs of our meetings.

N. Alberta, N.W. Territories, and Yukon Section (Geotechnical Society of Edmonton) - Seán Mac Eoin, Section Director
Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This report provides a summary of the activities of the Geotechnical Society of Edmonton (GSE) for the period from 01 July 2013 through 30 June 2014. The GSE has a strong and participative membership from the Edmonton area. Our executive committee has organized a series of well-attended and well-received monthly technical presentations and other activities over the current year, including a very successful two-day symposium on landslides. A detailed report of the activities of the Geotechnical Society of Edmonton is provided below.

GSE Executive Committee

The 2013/2014 executive committee of the Geotechnical Society of Edmonton consists of the following members:

President	Adam Gmeinwaser, Thurber Engineering Ltd.
Vice-President	Allister MacIsaac, Rice Engineering
Past President	Kristen Tappenden, University of Alberta
Treasurer	Junwen Yang, AMEC
Programme Chair	David Elwood, University of Alberta
Secretary	Christina Tatarniuk, City of Edmonton
Website Communications	Ken Froese, Thurber Engineering Ltd.
Registration	Don Lewycky, City of Edmonton
UoA Representative	Lijun Deng, University of Alberta
NAIT Representative	Hilton Barnes, Northern Alberta Institute of Technology
Student Members	Hamid Tavakolian Bana, University of Alberta
Members-at-Large	Murray Innes, Mobile Augers Baocheng Li, Almita Piling Inc. Roger Skirrow, Alberta Transportation Ala Obeid, Tetrattech
CGS Section Director	Paul R. Lach, City of Edmonton (to 31 December 2013) Seán Mac Eoin, AECOM (from 1 January 2014)

Activities

Activities hosted by the Geotechnical Society of Edmonton over the reporting period were as follows:

Date	Activity	Presenter
23 Sept 2013	Annual Wine & Cheese Reception, University of Alberta <i>The University of Alberta Geotechnical Book Project</i> <i>Removal of Contaminants from Oil Sands Tailings using Carbon-Based Adsorbents</i> <i>Ballast Issues on Railway Foundations</i>	Vivian Giang, MA, University of Alberta Matthew Stewart, MSc, University of Alberta Alireza Reoheni, PhD Candidate, University of Alberta
21 Oct 2013	Lunch Meeting, Fall CGS Cross Canada Lecture Tour: <i>Pre-Design Geotechnical Evaluation for Closure of the Oil Superfund Site Landfill (11th Ralph B. Peck Lecture)</i>	Dr. Edward Kavazanjian, Jr., Arizona State University

Date	Activity	Presenter
19 Nov 2013	Lunch Meeting: <i>Several Case Histories of Pipeline Distress Induced by Landslides in South America</i>	Dr. Jim Oswell, Naviq Consulting Inc.
23 Jan 2014	Lunch Meeting: <i>Travers Dam Rehabilitation Program</i>	Angela Küpper, Ph.D, P.Eng., BGC Engineering
20 Feb 2014	Dinner Meeting, Joint CSCE Event: <i>Inuvik-Tuktoyaktuk Highway: Link to the Arctic Ocean</i>	Walter Orr, P.Eng., Stantec
19 March 2014	Lunch Meeting, <i>Stabilization of the Hwy. 726 Landslide in the Eureka River Valley near Worsley, Alberta</i>	Don Proudfoot, M.Eng., P.Eng., Thurber Engineering Ltd.
3 April 2014 to 4 April 2014	GSE Annual Symposium: <i>Landslides - Assessment, Characterization, and Risk (Selected Topics)</i>	Dr. Serge Leroueil, Dr. Scott Anderson, Dr. Delwyn Fredlund, Dr. Derek Cornforth, Dr. David Cruden, Dr. Suzanne Lacasse, Dr. Doug Stead, Dr. Richard Goodman, Dr. Scott Burns, Dr. C. Derek Martin, Dr. Norbert Morgenstern.
8 April 2014	GSE/University of Alberta 12 th Annual Applied Geotechnical Engineering Design Contest: Reinforced Soil Wall.	Participants from University of Alberta and from the Northern Alberta Institute of Technology
9 May 2014	GSE/CGS Cross-Canada Lecture: <i>Natural Processes and Strength Degradation</i>	Dr. Jim Graham, Ph.D., D.Sc., FEIC, P.Eng., Professor Emeritus, University of Manitoba
15 May 2014	GSE AGM 2014 Lecture: <i>Lessons Learned to Date</i>	Dr. Dennis Becker, Ph.D., FEIC, P.Eng., Golder Associates

It is worth noting that the Annual Symposium drew significant interest and became fully subscribed very quickly. It was also acclaimed technically.

Membership and Corporate Sponsorship

As of June 2014, the membership of the GSE comprised 200 regular members, 30 student members, 6 retired or unemployed members, and 21 GSE Stan Thomson Award Winners (with lifetime membership), for a total of 257 members.

Corporate sponsorship is not generally relied upon to support our annual program of technical activities. However, corporate sponsors do provide generous support of specific activities, such as the prizes and judging of the Annual Retaining Wall Construction Competition. Companies can also place their corporate links on the GSE Web Site for a nominal fee.

Meetings

The GSE executive holds monthly meetings throughout the year in order to review the financial status of the society, to ensure that preparations for upcoming events are in order, to exchange information, and to plan events.

Financial status

The GSE remains in a financially sustainable position. Assets are considered adequate to support the organization through to the next CGS conference to be held in Edmonton. Together with event fees, the remaining funds assist with defraying the cost of our annual program of technical activities.

Southern Alberta Section (Calgary Geotechnical Group)
Frank Magdich - Section Director
Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This report is a summary of the activities of the Calgary Geotechnical Group of the Canadian Geotechnical Society, for the period from 01 July 2013 – 30 June 2014. The CGG members are located in Calgary and immediate surrounding areas. Our executive committee has been successful in organizing several well-attended presentations throughout the season. A detailed report from the Calgary Geotechnical Group is provided below.

Executive Committee

The 2013-2014 Executive Committee of the Calgary Geotechnical Group consists of the following members:

Chair: Hamid Batenipour
Vice-Chair: Mauricio Pinheiro
Venue Coord: Angela Beattie
Treasurer: Rob Armstrong
Past-Chair: Juan Lopez
Announcements: Daniel Bertrand
Website: Dat Tran
Members: Justyna Kos
Ardeshir Sharif-Abadi
Marcia MacLellan
Bhamisha Ramdharry
Section Director: Frank Magdich

Activities

Membership (and Corporate Sponsorship)

The Calgary Geotechnical Group does not charge membership fees. Although in the past the group has solicited donations local from corporate sponsors, the CGG has not needed to do so this previous year.

Meetings

The 2013-2014 meetings held to date were as follows:

Date	Speaker	Affiliation	Title	Attendance
Sept. 18, 2012	Ahmad Booshehrian, Ph.D. student	University of Calgary	Numerical Assessment of Potential Thermal Degradation of Permafrost in Northern Canada due to Open Pit Mining and Tailing Impoundment	15
Oct. 18, 2012	Edward Kavazanjian, Ph.D., P.E.,	Fall Cross-Canada Lecture Tour	Geo-Alchemy: Turning Sand into Sandstone and other Microbiological and Bio-Inspired Ground Improvement Technologies	48
Nov. 13, 2012	Jim Oswell, Ph.D.	Naviq Consulting Inc.	Several Case Histories of Pipeline Distress Induced by Landslides in South America	40
Dec. 11, 2013	Heinrich Heinz, P.Eng., Ph.D.	Thurber Engineering Ltd.	Rock Tunnels in Calgary: A 100 Year Retrospective	50

Jan. 16, 2014	Dennis Becker, Ph.D, P.Eng.	Golder Associates Ltd.	Lessons Learned To Date	50
Feb. 13, 2014	Mike Jefferies, P.Eng.	Golder Associates Ltd.	Critical State Soil Mechanics: 125 Years of History to Current Engineering Use	40
March 13, 2014	Angela Kupper, Ph.D., P.Eng	BGC Engineering Inc.	Travers Dam Rehabilitation Project	45
May 6, 2014	James Graham, Ph.D, P.Eng	Spring Cross- Canada Lecture Tour	Seepage, leaching and embankment instability - a case study	62
May 27, 2014	Bill Chin, P.Eng.	Klohn Crippen Berger	Keeping the Artistic Flame Alive in Geotechnical Engineering – A Personal Perspective	66

Financial status

The CGG is in a solid financial situation. On 24 June, 2013 the group had \$ 25,733.30 in the bank and the group expects to have approx. \$ 22,000.00 in the bank at end of June 2014. Typical expense payments were related to normal costs related to organization of the monthly presentations.

Saskatoon Section (Saskatoon Geotechnical Group)
Erik Ketilson, Section Director
Report of Activities - July 1, 2013 to June 30, 2014

2013 – 2014 Executive

<i>President</i>	Rashid Bashir, York University (formerly Golder Associates Ltd.)
<i>Past President</i>	Tyrel Lloyd, McElhanney Consulting
<i>Vice President</i>	Craig Rudulier, SNC-Lavalin Inc.
<i>Treasurer</i>	Adam Hammerlindl, University of Saskatchewan
<i>CGS Section Director</i>	Erik Ketilson, SRK Consulting (Canada) Ltd.
<i>U of S Liaison</i>	Grant Ferguson, University of Saskatchewan
<i>Workshop Coordinator</i>	Erik Ketilson, SRK Consulting (Canada) Ltd.
<i>Communications</i>	Kyle Cator, Golder Associates Ltd.
<i>Member at Large</i>	Jon Osback, Clifton Associates Ltd.
<i>Member at Large</i>	Chad Salewich, Cameco Corporation

The SGG Executive met three times during the activity period.

Membership

The SGG has averaged 50 paid members annually. To date in the 2013-14 year we have 53 paid members. Annual membership dues are \$30.00.

Presentations/Work Shops

Sept. 18, 2013	S. Lee Barbour	Can we successfully reclaim Oil Sands Mine Closure Landforms?
Oct. 15, 2013	Jillianne Segura	A Tree's Perspective: Mine Restoration Landform Design
Oct. 17, 2013	Edward Kavazanjian, Jr.	CCLT – Pre-Design Geotechnical Evaluation for Closure of the Oil Superfund Site Landfill
Dec. 12, 2013	Adam Hammerlindl	M.Eng Project Work on IPI Instrumentation

Feb. 11, 2014	Alexey Klyashtorin	Cyclic Climate Fluctuations. The Possibility of Forecasting
March 4, 2014	Hari K. Mittal	Geotechnical Fundamentals of Uranium Tailings Management in Canada
May 5, 2014	James Graham	CCLT – Seepage, leaching and embankment instability – a case history.

Awards, Donations and Events

- SGG Annual Scholarship – University of Saskatchewan: \$500.00
- Sponsorship of two students to Geo Montreal: \$1050.69

Financial

- Account Balance as of March, 2014: \$20,894.15

Regina Section (Regina Geotechnical Group) - Harpreet Panesar, Section Director Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This report is a summary of the activities of the Regina Geotechnical Group of the Canadian Geotechnical Society, for the period from 01 July 2013 – 30 June 2014. The group has active members from across Southern Saskatchewan, particularly from the Regina area. A dedicated executive committee has been successful in organizing several well-attended presentations throughout the season. A detailed report from the Regina Geotechnical Group is provided below.

Executive Committee

The 2013-2014 Executive Committee of the Ottawa Geotechnical Group consists of the following members:

<i>Chair:</i>	Darrell Mihial, SNC-Lavalin
<i>Program Director(s):</i>	Ryan Kozun and Jasyn Henry, Clifton Associates Ltd.
<i>Secretary Treasurer:</i>	Anna Torgunrud, JD Mollard and Associates
<i>University Representative</i>	Maki Ito, University of Regina
<i>Section Director:</i>	Harpreet Panesar, Ministry of Highways and Infrastructure

Activities

The following technical presentations were hosted during this period.

Date	Speaker(s)	Title	Attendance
16 Oct 2013	Jasyn Henry Clifton Associates Ltd	A Novel Framework for the Analysis of Low Factor of Safety Slopes in the Highly Plastic Clay Shales of the Canadian Prairies - A Case History of the Battlefords Bridges.	25
13 Nov 2013	Dave van Zeyl JD Mollard and Associates	A slope failure caused by drainage cutoff through the advancement of seasonal frost, Hudson Bay Lowland.	25
11 Dec 2013	Dr. Esam Hussein University of Regina	The intricacy of using x-ray radiography and tomography in examining samples of geological formations.	29
15 Jan 2014	Jody Scammell Water Security Agency	The Evaluation of Gardiner Dam's Ongoing Movement.	49
12 Feb 2014	Dr. Kelvin T.W.Ng University of Regina	MSW landfill design with respect to the Saskatchewan Environmental Code (SEC).	23
12 Mar 2014	Phil Bruch Golder Associates	Instability along the South Saskatchewan River in Saskatoon.	29

Membership (and Corporate Sponsorship)

The Regina Geotechnical Group currently has 25+ members.

Meetings

The 2013-2014 meetings held to date were as follows:

Date	Location	Meeting Detail	Attendance
11 Dec 2013	Best Western Seven Oaks, Regina	Annual General Meeting	29
13 Jan 2014	240 Henderson Dr, Regina	RGG Board Meeting with past executive member	7
10 Feb 2014	240 Henderson Dr, Regina	RGG Board Meeting	5
10 Mar 2014	240 Henderson Dr, Regina	RGG Board Meeting	5

Financial status

The Regina Geotechnical Group has a bank balance in the order of -\$1,600. The deficit shown here is due to the seed money (\$10,000) being forwarded to the Gibson Group for the upcoming GeoRegina2014 Conference. With all the sponsorship funding received so far and projected revenue to be generated at GeoRegina2014 conference – executive committee is confident that RGG will be in good financial shape after the conference.

Additional Information

The Regina Geotechnical Group provides the University of Regina with an annual \$500.00 scholarship. The Regina Geotechnical Group also provides sponsorship donations to various local academic functions.

Manitoba Section - Kendall Thiessen, Section Director Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This annual report is a summary of the activities of the Manitoba Section of the Canadian Geotechnical Society, for the period from July 1, 2013 through June 30, 2014. The section executive and membership are active in organizing and participating in a variety of technical and social events throughout the year. The following report details the summary of the past year's activities and the current status of the Manitoba Section of the Society.

Executive Committee

The 2013-2014 Executive Committee of the Manitoba Geotechnical Group consists of the following members:

<i>Chair:</i>	Neil Privat, M.Sc., P.Eng.	KGS Group
<i>Secretary:</i>	Vacant/Rotating	
<i>Treasurer:</i>	Wingkeat Wong M.Sc., P.Eng.	AMEC
<i>Program Director:</i>	Kristopher Matusiewicz, P.Eng.	Manitoba Hydro
<i>Special Events:</i>	David Flynn, Student	University of Manitoba
<i>Student Liason:</i>	Steven Harms, Student	University of Manitoba
<i>Membership and Sponsorship:</i>	Arjan Jianfar EIT	Hatch
<i>Section Director:</i>	Kendall Thiessen Ph.D., P.Eng.	City of Winnipeg

Membership

The Manitoba Geotechnical Group had 48 paid members as of March 24, 2014, and the Executive has ongoing efforts to encourage past members to renew membership and to get young professionals to register.

Meetings

The 2013-2014 meetings held to date were as follows:

Date	Speaker	Topic	Attendance
2013/07/23	Dr. Kazue Tazaki Professor Emeritus, Kanazawa University, Japan	Clays, Microorganisms, and Biomineralization	27
2013/09/24	Earl De Guzman, Student University of Manitoba	Performance Evaluation of Road Embankments on Seasonally-Thawed Peat Foundations	38
2013/10/16	Dr. Edward Kavazanjian, Jr., Ph.D., P.E., D.GE., NAE Arizona State University	Pre-Design Geotechnical Evaluation for Closure of the Oil Superfund Site Landfill	25
2013/12/03	Ryan Belbas M.Sc., P.Eng. Dyregrov Robinson	The Capacity of Driven Steel H-Piles in Lacustrine Clay, Glacial Till and Karst Bedrock: A Winnipeg Case Study	54
2014/01/30	Jon Friesen, M.Eng., P.Eng KGS Group	West Bank Stabilization of the Red River for Construction of the Letellier Bridge	64
2014/02/28	Michael Van Helden Ph.D., P.Eng. Trek Geotechnical/University of Manitoba	Measurement and Modeling of Soil Variability for Probabilistic Slope Stability Analysis	33
2014/03/27	Dr. Tee Boon Goh Professor, University of Manitoba Soil Science	The Chemistry of Clay Minerals	28
2014/04/14	Dr. James Graham Ph.D., D.Sc., FEIC, P.Eng. Professor Emeritus, University of Manitoba	Natural Processes and Strength Degredation	56

Financial status

The Manitoba Section currently has a balance of about \$57,000. The balance reflects the approximately \$50,000 received in August 2013, as the Section's share of the proceeds from the 2012 CGS Conference held in Winnipeg. The Section continues to subsidize presentation events, including two events in the reporting period which were free to members.

Discussions are ongoing within the Manitoba Section Membership and Executive regarding how to best allocate and use the proceeds of the 2012 Conference.

Additional Information

The Manitoba section has made the following financial contributions over the last six months:

- Canadian Foundation for Geotechnique - \$5000
- Neil Burgess Memorial Scholarship Fund - \$3000
- Andrew Baracos Bursary Fund - \$1000

The Manitoba Section provided a \$300 prize and supplied a pair of judges for a MSE Wall Competition at the University of Manitoba. The competition was part of the 4th-year Geotechnical Engineering undergraduate elective course. The competition included a design report, construction, and test-loading, with seven teams participating.

The Manitoba Section will be hosting the 14th Annual CGS Golf Tournament on June 11, 2014 at River Oaks Golf Club. The proceeds of this tournament, usually in the order of \$3000-\$4000, are typically contributed to the "Neil Burgess Memorial Scholarship" fund at the University of Manitoba.

The Manitoba Section will again sponsor a graduate student or engineer-in-training to attend the 2014 CGS Conference in Regina.

Thunder Bay Section (Thunder Bay Region Geotechnical Group)
Eltayeb Mohamedelhassan, Section Director
Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This report is a summary of the activities of the Thunder Bay Region Geotechnical Group of the Canadian Geotechnical Society, for the period from 01 July 2013 – 30 June 2014.

Executive Committee

The 2013-2014 Executive Committee of the Thunder Bay Region Geotechnical Group consists of the following members:

Chair: Dr. Eltayeb Mohamedelhassan
Vice-Chair: Dr. Myint Win Bo
Secretary: Vacant
Treasurer: Vacant
Past-Chair: Dr. Bruce Kjartanson
Members: Wesley Saunders
Advisor: Mike Fabius

Activities

None

Meetings

The 2013-2014 meetings held to date were as follows: None

Financial status: N/A

Sudbury Chapter - Sarah Poot, Section Director
Report of Activities July 1, 2013 to June 30, 2014

Introduction

The group is in the process of reestablishing contact with local CGS members and members of the community that had expressed interest prior to the stagnant period.

Executive Committee

The executive committee of the Sudbury CGS Chapter consists of the following members:

Chair: Sarah Poot (Golder Associates)
Member: Tommi Leinala (AMEC)

Sponsorship

CEMI will be providing a venue for the CCLT presentations. CEMI/MIRARCO had provided a venue for presentations since 2004. The refreshments and speaker thank you gifts have been supplied by AMEC and Golder. The support of AMEC, Golder, and MIRARCO has been essential in order to provide the Sudbury CGS community lectures at no cost.

Affiliations

CEMI and MIRARCO are active affiliations the CGS is pursuing. Local post-secondary institutions are being approached to develop connections as well as possible events.

Activities

The executive of the Sudbury Chapter are going to be seeking additional members to become involved with the organization in order to hopefully be able to organize and arrange events. An executive meeting is scheduled for May and we are hoping to bring interested individuals to get them involved in the section.

We have also reached out to the regional director Paul Dittrich to discuss ideas for connecting with the northern CGS community including:

- Hosting video sessions of past CCLT lectures if speakers not available
- Check database of speakers through CGS reports
- Connecting with other northern CGS sections including Thunder Bay, Sault Ste. Marie, North Bay and Timmins using community based “Contact North” as the medium
- Contacting other local technical groups (such as CIM, etc.) to discuss combining speakers or events with the hope of having 2 events in 2014.

Current Financial Status

Currently the Sudbury Chapter has approximately \$400 in a savings account. We may need to tap into CGS resources to fund talks such as with Contact North.

London Section (London and District CSCE-CGS Chapter) ***Mrinmoy Kanungo, Section Director*** ***Report of Activities - July 1, 2013 to June 30, 2014***

Introduction

The CGS Section in London, Ontario is part of a joint CSCE-CGS Chapter with a broad representation of professionals, professors and students on the executive. This report is a summary of the activities of the London and District CSCE-CGS Section for the period from 01 July 2013 – 30 June 2014. The group has active members from across Southwestern Ontario, particularly from the London, Windsor and Kitchener-Waterloo areas. A dedicated executive committee has been successful in organizing several well-attended dinner presentations and a tour throughout the Chapter’s season that runs from September to April. A detailed report from the London Section is provided below.

Executive Committee

The 2013-2014 Executive Committee of the London Section consists of the following members:

<i>Chair</i>	Tom Mara	University of Western Ontario
<i>Past Chair</i>	Grant Strachan	AECON
<i>Secretary</i>	Brent Visscher	Dillon Consulting Limited
<i>Treasurer</i>	John Gawley	Dillon Consulting Limited
<i>Communications</i>	Azmi Hammoud	Golder Associates Ltd.
<i>Event Coordinator/Public Relations</i>	Gavan McDonald	AECOM
<i>CSCE Rep./Ontario Region Treasurer</i>	Andy Turnbull	Ministry of Transportation, Ontario
<i>CGS Rep.</i>	Mrinmoy Kanungo	Golder Associates Ltd.
<i>City of London Rep.</i>	John Simon	City of London
<i>Sponsorship Rep.</i>	Stephanie Dalo	AECOM
<i>Faculty Rep.</i>	Jon Southen	University of Western Ontario
<i>Graduate Student Rep.</i>	Chris Kocur	University of Western Ontario
<i>Graduate Student Rep.</i>	Trisha Wilbur	University of Western Ontario

Membership

The joint CSCE-CGS London section has about 300 members registered with PEO, CSCE, CGS and also many student members. Based on membership information received from the CGS in August 2013, there are 41 active CGS members in London and area.

Our Section has traditionally been financially self-sustained by the money generated from the dinner meetings. This year we have also started receiving sponsorship money from different companies in London.

Meetings

The 2013-2014 dinner talks are described below. The dinner talks are preceded by executive meetings on the same evening. The talks are typically attended by 15-25 people. The attendance generally increases in MTO or UWO presentations.

Date	Speaker (Affiliation)	Title of talk
September 18, 2013	Nick Larson, P.Eng. (R.V. Anderson Associates Ltd.)	Canada's Infrastructure Report Card (CSCE National Lecture Tour)
October 9, 2013	Mary Jane Ferarro (Strabag Inc.)	Niagara Tunnel Project
November 20, 2013		WindEEE Research Institute Tour
January 22, 2014	Dr. Chris Andreae (Golder Associates Ltd.)	Impact of Built Heritage on Engineering Projects
February 12, 2014	Jasan Boparai, P.Eng. (MTO)	Repair of the Lynn River Lift Bridge in Port Dover
March 19, 2014	Keith Lesarge, P.Geo. and Dr. Storer J. Boone, P.Eng. (Golder Associates Ltd.)	Geologic Controls on Geochemistry and Disposal of Excess Soils from Construction
April 23, 2014	Brian Lima, P.Eng. (City of London)	The Challenges of Implementing Detailed Condition Assessment of PCCP for the Lake Huron Primary Water Supply System

Financial status

Based on information gathered in the executive meeting on March 19, 2014, the current bank balance of the section is \$1,347.20. Additionally, \$12,084 has been reinvested into a GIC.

Additional Information

The London Section also supports a number of University of Western Ontario student activities. The executive are currently planning events for the 2014-2015 season and considering plans for increased membership and revenue. Planning is also underway for the 2016 CSCE National Conference to be held in London.

Southern Ontario Section (Toronto Group) - Paul Dittrich, Section Director Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This final report is a summary of the activities of the Toronto Group of the Southern Ontario Section of the Canadian Geotechnical Society, for the period of July 1, 2013 to June 30, 2014.

Executive Committee

The 2013-2014 Executive Committee of the CGS-SOS Toronto Group meets monthly to discuss group matters and to organize technical events. The committee consists of the following members:

<i>Regional Director:</i>	Paul Dittrich	Golder Associates Ltd.
<i>Chair:</i>	David Staseff	Ministry of Transportation Ontario (MTO)
<i>Past Chair:</i>	Peter McDonald	Deep Foundations Contractors Inc.
<i>Secretary:</i>	Rehman Abdul	Terraprobe Inc.
<i>Treasurer:</i>	Tom Lardner	Western University
<i>Awards:</i>	Silvana Micic	EXP Services Inc.
<i>Communication:</i>	Naresh Gurpersaud	Geo-Foundations
<i>Membership:</i>	Matthew Boucher	Thurber Engineering Ltd.
<i>Student Liaison:</i>	Dieter Stolle	McMaster University
<i>Event Coordinator:</i>	Geoffrey Creer	Toronto Transit Commission
<i>Event Coordinator:</i>	Justin Gouthreau	Layfield Environmental Systems
<i>Event Coordinator:</i>	Jason Brown	GeoSolv Design/Build Inc.

Membership

The Toronto Group currently has about 224 active members. The SOS continues to organize and fund an annual Graduate Student Competition (from our local universities) and invites students to attend our monthly dinner presentations at no charge.

Activities

List of Activities held from July 1, 2013 – June 30, 2014:

- Date: August 16, 2013 – “5th” Annual CGS-SOS Golf Tournament at Richmond Hill Golf Club
81 participants (80 golfers)
- Date: September 18, 2013 – Dinner Presentation by Mr. Marcelo Chuaqui, M.Sc., P.Eng.
Topic: *Real-Time Monitoring of Ground Improvement*
78 participants (incl. 1 speaker)
- Date: October 15, 2013 - Fall Cross Canada Lecture by Mr. Edward Kavazanjian, Jr., Ph.D. P.E., D.GE, NAE.
Topic: *Pre-design Geotechnical Evaluation for Closure of the Oil Superfund Site Landfill*
75 participants (incl. 1 speaker)
- Date: November 13, 2013 – Dinner Presentation by Mr. Aiden Horan, M.Sc.
Topic: *Microtunnelling – Recent Projects in the Greater Toronto Area*
102 participants (incl. 1 speaker)
- Date: December 04, 2013 – Dinner Presentation/Christmas Social by Mr. Nick Eyles, Ph.D., D.Sc.
Topic: *The Making of Geologic Journey - World*
140 participants (incl. 1 speaker)
- Date: January 15, 2014 – Graduate Student Competition Night
Topic: Students participated from McMaster University, Ryerson University, University of Toronto, University of Waterloo and Western University. The winner received a \$500 cash award, second place received \$250.00 and third place received \$100.00. There were 63 participants (including 5 presenters). The university and placement are listed below:
- McMaster University (3rd) - Student: Yaqian Liu
Topic: *Permeability Determination of Porous Media Using Pipe Network Model Based on Micro-CT Images*
 - Ryerson University (3rd) - Student: Mona El-Mosallamy
Topic: *Experimental Study on Dynamic Behaviour of Collapsible Soil*
 - University of Toronto: (3rd) - Student: Mohammad Shahsavari
Topic: *The Effect of Stress History and Initial Stress Path on Sand Liquefaction.*
 - University of Waterloo (1st) - Student: Hassan Ali
Topic: *Frequency effects on dynamic properties of soils – numerical and experimental study.*
 - Western University (2nd) - Student: Osama Abuhajar
Topic: *Static and Seismic Soil Culvert Interaction*
- Date: February 12, 2014 – One Day Seminar
Topic: Ground Improvement Techniques and Advancements
Speakers: George Burke, MS., PE., D.GE – *Recent Advances in quality control of specialty ground improvement techniques using electronic data acquisition (DAQ)*
George Filz, Ph.D., PE. – *Integrated design, specifications, and QC/QA for deep mixing.*
Brian Wilson, M.Sc., P.Eng. – *Deep soil mixing – recent experiences in Western Canada using the Cutter Soil Mixing (CSM) technique*
Kord J. Wissmann, Ph.D., P.E., D.GE – *Novel Ground Improvement Techniques Applied to Ontario Soils*
Samuel Briet, M.Sc. – *Use of controlled modulus columns – description of the technique and case histories*

Lisheng Shao, Ph.D., PE, GE – Ground Improvement for Liquefaction Mitigation – Verification of its effectiveness and recent research.

146 participants (incl. 6 speakers)

Date: March 26, 2014 - Dinner Presentation by Dr. Miroslav Nastev, B.Sc., M.Sc., Ph.D.

Topic: *Reducing Risks from Seismic Hazards*

96 participants (incl. 1 speaker)

Date: April 24, 2014 – Spring Cross Canada Lecture Tour by Dr. James Graham, Ph.D., DSc.

Topic: *Natural Processes and Strength Degradation*

88 participants (incl. 1 speaker)

Date: May 21, 2014 – CGS-SOS Annual Dinner Presentation by Mr. Dave Zanetell, PE.

Topic: *New Hoover Dam Bridge*

203 participants (incl. 1 speaker)

Financial status

The Toronto Group is in a strong financial position with \$40,682.39 held in account as of June 30, 2014. Approximately \$35,000 of this money has or will be allocated for disbursements to student scholarships, sponsorship of the CGS-SOS Student Competition winner to CGS National conference, honorariums for international speakers annually (\$15k), honorariums for monthly speakers, the continued underwriting of student participation in CGS-SOS Events, and continuing with our recently established annual CGS-SOS Toronto Group Undergraduate Research grant (\$5k).

Additional Information

CGS-SOS Award

The purpose of the CGS-SOS Award is to recognize the recipient's contributions to i) development and growth of CGS-SOS, and ii) geotechnical or geo-environmental practice in Southern Ontario area through service to research, design, development, or construction. The 2014 CGS-SOS Award was presented at the CGS-SOS Toronto Group Annual Dinner to Mr. Bill Lardner.

CGS-SOS Toronto Group Website

The redesigned CGS-SOS Toronto Group website has been in operation since September 2008. The website contains the most up-to-date information on SOS Toronto Group's past and upcoming activities, list of executive members, membership update forms, and a list of past CGS-SOS executive members. The website has recently implemented the use of the EventBrite site to allow on-line payment for all of our society activities. For more information, please visit the CGS-SOS Toronto Group Website: <http://www.cgs-sos-toronto.com>.

2nd Annual CGS-SOS Settlement Prediction

The CGS-SOS presented the 2nd Annual - 2014 Settlement Prediction Competition. CGS Members and students in Southern Ontario were provided with a series of borehole logs, in situ and laboratory test data along with the geometry of a preload and were encouraged to submit their settlement predictions to see how their own analyses and experience compare to their colleagues and actual measured field results. The competition was organized using data provided by Thurber Engineering. Twenty-five submissions were reviewed by a panel composed of 1 Thurber employee and 2 CGS-SOS executive members. Submissions were due by May 12, 2014. The winner(s) received the following prizes:

- 1st - \$200 plus iPad Mini plus free ticket to Annual Dinner
Andrew Drevininkas, DownUnder Geotechnical Limited
- 2nd – \$200, Siavash Farahangi, AMEC
- 3rd – \$100, Tom O' Dwyer, C. T. Soils & Materials Testing Inc.

Closure

This report was prepared by Rehman Abdul, P.Eng. Secretary, with review and the help of David Staseff, P.Eng., CGS-SOS Toronto Group Chair, Tom Lardner, Treasurer and Paul Dittrich, P.Eng., Section Director.

Kingston Section - Nicholas Vlachopoulos, Section Director
Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This report is a summary of the activities of the Kingston Section of the Canadian Geotechnical Society, for the period from 1 July 2013 – 31 May 2014. The group has active members from across South-Eastern Ontario, particularly from Kingston and surrounding areas. The section's executive committee has been intermittently active during this period organizing a noon-hour speaker and a graduate student paper competition (together with the Ottawa Geotechnical Group). The section helps to promote a regular speaker series hosted by our sponsor, the Queen's-RMC Centre for Geo-Engineering. A detailed report from the Kingston Section is provided below.

Executive Committee

The 2013-2014 Executive Committee of the Kingston Section consists of the following members:

Chair/Director: Nicholas Vlachopoulos, RMC
Past Chair: Greg Siemens, RMC
Vice-Chair: n/a
Treasurer: Kathy Kalenchuk, Mine Design Engineering
Members at Large: Steven Rose, Malroz Engineering
Martin Burger, Groundwork Engineering Limited
Dylan Hill, InspecSol
Michelle van der Pouw Kraan, Queen's Engineering (Student Rep.)
Jean-Marc LeBlanc, Queen's Engineering (Student Rep.)

Activities

Specific CGS activities for the period are listed under meetings. In addition to the listed meetings, the Kingston Section supports and disseminates information about weekly student presentations and guest speakers that are hosted by the Queen's-RMC Geo-Engineering Centre as part of its ongoing graduate studies program. The Section Chair attended the 2013 Canadian Geotechnical Conference. The Section sponsored graduate student Mr. Jeffrey Oke to attend GeoMontreal in the fall of 2013. The Kingston Section also supports the local organizing committee of the 6th Canadian GeoHazards Conference scheduled for June 2014.

Membership (and Corporate Sponsorship)

The Kingston Section captures a membership of approximately 20+ CGS members from Kingston, but attracts attendance (and solicits membership to the society) from the larger community of engineers, geoscientists (including students, practitioners, and researchers) from the area surrounding Kingston in eastern Ontario. This year we have some additional corporate sponsors who have very generously supported the local organization. The donations from our sponsors help to defray the costs of hosting speakers, Cross Canada Lecture Tours, and the costs of our meeting rooms. Our corporate sponsors include:

Caduceon Environmental Laboratories	McIntosh Perry Consulting Engineers Ltd
Cunningham Swan Carty Little & Bonham LLP	Mine Design Engineering
Genivar Inc	Paracel Laboratories Ltd
Golder Associates	Vertex Environmental Inc
Groundwork Engineering Limited	Viner, Kennedy, Frederick, Allan & Tobias LLP
Houle Chevrier	WESA Envir-Eau
Insitu Remediation Services	Withey Addison LLP
Inspec Sol Inc.	Willms and Shier Environmental Lawyers LLP
MALROZ Engineering Inc.	XCG Consultants Ltd
Maxxam Analytics Inc	

Meetings/Activities

The 2013-2014 meetings held were as follows:

Aug. 8, 2013 Executive Meeting

- Sep. 11, 2013 Bruce Tunnicliffe, Vertex Environmental Inc, *High Resolution Characterization of the Subsurface: Tools and Case Study*
- Oct. 11, 2013 CCLT – Ed Kavazanjian, Arizona State University, *Pre-Design Geotechnical Evaluation for Closure of Oil Superfund Site Landfill*
- Dec. 3, 2013 Rick McGregor, InSitu Remediation Services, *Approaches to Remediation*
- Jan. 9, 2014 Executive Meeting
- Mar. 5, 2014 38th Annual Michael Bozozuk Graduate Student Forum (held jointly with The Ottawa Geotechnical Group). Four student presentations from Carleton, U.Ottawa RMC and Queen's
- Mar. 14, 2014 Darcy Lecture (co-host with Queen's) – Dorthe Wildenschild, Oregon State University, *What Happens in the Pore no Longer Stays in the Pore*
- Mar. 26, 2014 Vassilis Marinou, Aristotle University of Athens, *Tunnel Behaviour and Support in Weak and Complex Rocks. Experience from 62 Tunnels in Greek Alpine Environment*
- April 25, 2014 CCLT – Dr. Jim Graham, *Earth dam Stability Case Study*
- April 30, 2014 Lecture (combined Local PEO/CGS event) – Dr. Kerry Rowe, Queen's University, *Issues Associated with Landfill Design*
- May 23, 2014 Executive Meeting
- May 30, 2014 Written competition for EIT/Graduate student to attend GeoRegina due date

Financial status

The Kingston Section continues to operate on a break-even basis with a current balance of (approx.) \$1,000.00

Additional Information

The remaining events for the 2013-2014 Season will include the June election of new Executive Members and hosting the GeoHazards 6 Conference.

Ottawa Section (Ottawa Geotechnical Group) - Mamadou Fall, Section Director Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This is a report from the Ottawa Geotechnical Group (OGG) of the Canadian Geotechnical Society, for the period from 01 July 2013 to 30 June 2014. It provides a summary of the activities of the OGG during this period. A dedicated executive committee has been successful in organizing several well-attended events and presentations throughout the season. Details are as follows.

Executive Committee

The 2013-2014 Executive Committee of the Ottawa Geotechnical Group consists of the following members:

<i>Chair:</i>	Baolin Wang, Natural Resources Canada
<i>Vice-Chair:</i>	Paul Simms, Carleton University
<i>Past-Chair:</i>	Clive Kamichaitis, Public Works and Government Services Canada
<i>Secretary:</i>	Bruce Campbell, EFI Global
<i>Treasurer:</i>	Michel Timmons, Groupe Qualitas
<i>Members:</i>	Jules-Ange Infante, University of Ottawa Sean Sterling, Geofirma Engineering Nell van Walsum, BluMetric Environmental
<i>Student Member:</i>	Javad Sheikhtaheri, University of Ottawa
<i>Advisor:</i>	Peter Gerabek
<i>CGS Regional Director:</i>	Mamadou Fall, University of Ottawa

Activities

Date	Speaker	Affiliation	Title of Talk	Type of Event	Attend.
18-Sep-2013	Murray Hall and Eric Potvin	Fortis Generation East/ Public Works & Government Services Canada	Tour of the Rideau Falls Generating Station and Dams	OGG kick-off event	24
6-Oct-2013	Prof. Edward Kavazanjian	Arizona State University	Geo-Alchemy: Turning Sand into Sandstone and other Microbiological and Bio-Inspired Ground Improvement Technologies	CCLT	37
20-Nov-2013	Alberto Grimod, Maccaferri	Maccaferri Canada Ltd	New Design Approach of Rockfall Barriers	Luncheon presentation	41
3-Dec-2013	Prof. Paul Simms	University of Carleton	Geotechnical and Geoenvironmental Behaviour of High Density Tailings	Luncheon presentation	26
22-Jan-2014	Dr. Greg Brooks	Geological Survey of Canada	A Massive Sensitive Clay Landslide, Quyon Valley, Southwestern Quebec, Canada, and Evidence for a Paleoearthquake Triggering Mechanism	Luncheon presentation	56
26-Feb-2014	Bruce Tunnicliffe,	Vertex Environmental	Environmental Fracking (eFracking), a Practitioner's Perspective	Luncheon presentation	64
5-Mar-2014	1. S. Javankhoshdel 2. P. Joshi 3. S. Mizani 4. A. Shehata	1. Royal Military College of Canada 2. Queen's University 3. Carleton University 4. University of Ottawa	1. Simplified probabilistic slope stability design charts for cohesive and c- α soils 2. Performance of geosynthetic clay liner (GCL) overlaps under non-uniform stresses 3. Yield stress for managing deposition geometry of polymer amended oil sand tailings 4. Swelling Characteristics of bentonite based barriers for Deep Geological Repository for Nuclear Wastes: Impact of Groundwater Chemistry and Temperature	38th Annual Michael Bozozuk Student Forum	40
25-Apr-2014	Dr. Jim Graham	University of Manitoba	Natural Processes and Strength Degradation of Clays	CCLT	57
14-May-2014	Dr. Robert Thériault	Quebec Ministry of Natural Resources	Earthquake Lights: A Shocking Phenomena	OGG Annual Banquet	60

The OGG has sponsored the prizes for the three best presentations at the 2014 Graduate Student Conference on Geotechnical Hazards that took place at the University of Ottawa from Dec. 4 to 5, 2013. Approximately 100 people attended the conference. OGG also named the 1st prize as the Gordon McRostie Award in honour to his long time dedication and contributions to the Ottawa geotechnical community. The winners are:

1st Prize – Gordon McRostie Award - \$300

Winner: João. R. Prandina, Topic: Ottawa transitway rock slope risk assessment

2nd Prize – OGG Certificate of Excellence -\$150

Winner: Kenton Thiessen, Topic: Tailings management at the earth surface: hazards and solutions

3rd Prize – OGG Certificate of Excellence -\$50

Winner: Elizaveta Rozina, Topic: A case study of the sludge containment facility disaster of the alumina plant in Ajka

Membership (and Corporate Sponsorship)

The Ottawa Geotechnical Group currently has 247 members (185 paid members, 36 sponsor members and 26 student members). As in past years, our corporate sponsors have very generously supported the local organization. The donations from our sponsors help to defray the costs of engaging speakers and the costs of our meeting rooms. Our corporate sponsors for 2013-2014 include:

AGAT Laboratories	GKM Consultants Inc./Geotechnical
BGC Engineering Inc.	Instrumentation
Conetec	Hellenic Meeting and Reception Centre
DYWIDAG-Systems International Canada Ltd.	Maccaferri
Exova	Marathon Drilling Co. Ltd.
George Downing Estate Drilling Ltd.	Maxxam Analytics Inc.
George W. Drummond Ltd.	Milestone Environmental Contracting Inc.
GeoSolv Design/Build Inc.	OGS Inc.
Geosynthetic Systems	Paracel Laboratories Ltd.
	Strata Drilling Soil

Meetings

The 2013-2014 executive committee meetings held are as follows:

- Aug. 21, 2013
- Sept. 11, 2013
- Oct. 16, 2013
- Nov. 13, 2013
- Dec. 11, 2013
- Jan. 15, 2014
- Feb. 19, 2014
- Mar. 19, 2014
- Apr. 16, 2014
- May 8, 2014

Financial Status

The Ottawa Section is in a healthy state financially. The source of revenue is from paid memberships and corporate sponsorships. Currently the group has an overall balance of about \$39,000 which consists of funds held in bank accounts and short term GICs and a loan to the Canadian Foundation for Geotechnique. The group has a general goal of trying to run a balanced budget year to year on the lunchtime speakers and annual banquet while using the additional funds for special projects and the opening event of the year (September).

Western Quebec Section - Annick Bigras, Section Director **Report of Activities - July 1, 2013 to June 30, 2014**

Introduction

This report summarizes the activities of the Western Quebec Section of the Canadian Geotechnical Society, for the period from July 1, 2013 to June 30, 2014. The group has members from across Western Quebec, especially from the Montreal, Sherbrooke and Drummondville areas. Throughout this period, six (6) presentations and one (1) student competition were organized by the executive committee. The season's eighth and final activity took place at the annual banquet which was held at the end of our season. A detailed report from the Section is provided below. The 66th Canadian Geotechnical Conference was held in Montréal in October 2013.

Executive Committee

The 2013-2014 Executive Committee of the Western Quebec Section consists of the following members:

<i>Chair:</i>	Louis Maure (Inspec-Sol inc.)
<i>Vice-Chair:</i>	Simon Didone- Arseneau (Inspec-Sol inc.)
<i>Treasurer:</i>	Judith Bouchard (Hydro-Quebec)
<i>Secretary:</i>	Pooneh Maghoul (Groupe ABS)
<i>Program:</i>	François Duhaime (École des Technologies Supérieures)
<i>Communications:</i>	Steven Doré-Richard (Hydro-Quebec)

Activities

- September 29 - October 3, 2013 : GéoMontréal 2013, the 66th Canadian Geotechnical Conference and the 11th Joint CGS/IAH-CNC Groundwater Conference
- On October 10, 2013, the Section welcomed *Cross Canada Lecture Tour* lecturer Ed Kavazanjian and his presentation on the "Evaluating the Seismic Coefficient for Slope Stability and Retaining Wall Design".
- On November 20, 2013, Éric Péloquin gave a lecture entitled "Gestion des ouvrages en remblai vieillissants".
- On February 5, 2014, Mario Ruel gave a lecture entitled "La planification d'un nouveau lien ferroviaire sur la Côte-Nord : Défis et enjeux d'un grand projet".
- On February 12, 2014, four graduate students from two universities participated in the annual Branko Ladanyi student competition. Each contestant summarized their thesis subject and results during a 15-min conference. A committee of senior engineers selected a winner.
- On April 3, Benoît Courcelles gave a lecture on "L'apport des bactéries dans l'amélioration des sols en place".
- On April 22, the section welcomed the *Cross Canada Lecture Tour* lecturer M. James Graham and his presentation on the "Embankment deformations include creep in compression and shear".
- On May 20, Myles Carter gave a lecture on the "Investigation techniques for railway and other types of tunnels".
- On June 12, Jean-Marie Konrad presented "Anisotropie des propriétés hydrauliques du till compacté. Mythe ou réalité?" at the annual banquet.
- Each activity gathered on average 30 to 60 members.

Membership and Corporate Sponsorship

The Western Quebec Section is comprised of 125 members, a combination of individual members as well as companies and corporations. The membership numbers have been steady in the last years, but this year a reduction of the number of members was observed. A small financial contribution is requested from members in order to cover the costs of guest speakers and related expenses. Among these members, several are also members of the national Canadian Geotechnical Society. As in past years, *Hydro-Quebec* generously supports the local organization by providing a conference room for most activities.

Financial status

Expenses:

- Conferences (lunch, speakers, etc.)	1 791,61 \$
- Section operations	190,78 \$
- Anticipated expenses for the annual banquet 2014	11 848,11 \$
TOTAL Expenses:	13 830,97 \$

Revenues:

- Membership income	3 880,00 \$
- Annual banquet (year 2012-2013 reported income)	1 200,00 \$
- Anticipated revenues for the annual banquet 2014	7 530,00 \$
TOTAL Revenues:	12 610,00 \$

Total amount in bank: **4 786,51 \$**

At the time of preparation of this report, the section had not yet received the final figures for GeoMontreal 2013 or any net proceeds.

This report was prepared by Judith Bouchard, Treasurer, and Annick Bigras, CGS Section Director, Western Quebec (Montreal), with thanks to Steven Doré-Richard and Louis Maure for their help in collecting all information.

Section Régionale Est-du-Québec - Jean Côté, Directeur
Rapport d'activité - 1er juillet 2013 au 30 juin 2014

Introduction

Ce rapport annuel est un résumé des activités de la Section régionale de l'Est-du-Québec de la Société canadienne de géotechnique, pour la période du 1^{er} juillet 2013 au 30 juin 2014. La Section de l'Est-du-Québec réunit une petite communauté d'environ 55 membres de la Société canadienne de géotechnique, venant principalement du secteur public (gouvernement et université) ainsi que du privé. Toutefois, la communauté intéressée à la géotechnique et au génie géologique est plus grande comme le montre notre liste de contact qui regroupe plus de 100 individus. Un rapport détaillé des activités est donné ici-bas.

Comité Exécutif

Le comité exécutif pour l'année 2013-2014 de la Section régionale de l'Est-du-Québec est constitué des membres suivant :

Présidente: Janelle Potvin, Ministère des Transports du Québec

Directeur: Jean Côté, Université Laval

Secrétaire: Julie Therrien, Ministère des Transports du Québec

Trésoriers: Alexis Fortin, Pascal Locat, Ministère des Transports du Québec

Membres: Kamel Hamouche (Inspecsol), Didier Perret (past director, Geological Survey of Canada), Jonas Despatie (LVM), Olivier Juneau (LEQ), Jean-François St-Laurent (SNC-Lavalin), Ariane Locat (Université Laval), Simon Malenfant (Ministère des Transports du Québec), Vincent Castonguay (Université Laval), Sarah Bouchard (Université Laval).

Activités

Nos activités se subdivisent en deux catégories, les conférences qui sont proposées régulièrement, et les ateliers de formation, organisés à l'occasion, généralement en réponse aux demandes spécifiques de la communauté géotechnique régionale. Nous tenons des conférences midi/soir à chaque mois de septembre à juin. La liste des conférences données jusqu'à maintenant se retrouve dans le tableau suivant. Notre auditoire oscille typiquement entre 30 et 65 participants, mais a vu un légère baisse dernièrement en raison de l'offre plus volumineuse des derniers mois.

Conférencier	Affiliation	Titre	Date	#
Marc Smith	Hydro-Québec	Détection des infiltrations dans les barrages et leurs fondations	12 sept. 2013	61
Edward Kavazanjian	Arizona State University	CCLT: Evaluating the Seismic Coefficient for Slope Stability and Retaining Wall Design	9 oct. 2013	35
Jean-Sébastien L'Heureux	Norwegian geotechnical Institute (NGI)	Exemple d'application des méthodes géophysiques pour la caractérisation des géomatériaux	25 oct. 2012	47
Mourad Karray	Université de Sherbrooke	Développement de la méthode pseudo-statique spectrale pour l'analyse de la stabilité dynamique des talus et des ouvrages en remblai	4 déc. 2013	41
Anne-Marie Leblanc	Geological Survey of Canada	La modélisation tridimensionnelle du régime thermique du pergélisol et la cartographie des déplacements à la surface du sol par télédétection	24 jan. 2014	42
V. Castonguay C. Cloutier S. Bouchard	Université Laval	Conférence des boursiers 2013	27 fév. 2014	35
J. Graham	University of Manitoba	Spring 2014 CCLT : Soil parameters for numerical analysis in clays.	23 avril 2014	25
R. Brachman	Queen's University	Physical response of landfill geosynthetics	21 mai 2014	20
Sandro Sandroni	Pontifical Catholic University of Rio de Janeiro	Cases of use of observational method in practice	28 mai 2014	21
Samuel Briet et Andrien Viateau	Géopac	Techniques d'amélioration de sol, études de cas en vibro-remplacement et colonnes à module contrôlé	6 juin 2014	
Didier Perret	Commission géologique du Canada	Dynamique des sols et comportement des sables.	20 juin 2014	

Un cours de trois jours a été donné par Serge Leroueil sur les applications pratiques de la mécanique des sols avancées en collaboration avec la direction générale de la formation continue de l'Université Laval et la section régionale. Une première session a eu lieu du 1^{er}, 2 et 3 mai à Montréal et une deuxième session du 8, 9 et 10 mai à Québec. Un total de 52 participants ont assisté à ce cours (26 à Québec et 26 à Montréal).

Aussi, un 5 à 7 a été tenu au Café FouAÉLIÉ le 8 mai en l'honneur de membres qui ont reçus des prix prestigieux durant l'année 2013 – 2104. Cette nouvelle initiative a rassemblé 45 personnes.

Membres et adhésion à la Société

Les conférences-midi que nous organisons sont proposées gratuitement et il n'est pas nécessaire d'être membre de la Société pour y assister. Aucune cotisation annuelle locale n'est par ailleurs demandée. Cela permet de promouvoir la formation continue en géotechnique. Toutefois, afin de promouvoir l'adhésion au chapitre national, nous n'émettons des attestations de formation continue qu'aux membres en règle de la SCG.

Réunions

Le comité exécutif se réunit une fois par mois pour planifier les activités proposés aux membres de la SCG et amis de la section.

Statu financier

Le budget annuel est d'environ \$5 000 (bourse et conférences). Les fonds proviennent principalement des revenus générés par la conférence canadienne de géotechnique de l'année 2004 et à quelques cours et autres conférences de moindres envergures tenues depuis 2004.

Conférence GéoQuébec 2015

Le comité organisateur de la conférence GéoQuébec 2015 progresse dans la préparation de la conférence nationale de la SCG à Québec en septembre 2015. Le thème de la conférence est : Des défis du sud au nord. L'hôtel Hilton Québec et le Centre des congrès de Québec ont été retenu pour tenir la

conférence et pourront confortablement accommoder jusqu'à 700 participants. Les services de Agora Communications ont été retenus pour assister le comité local dans l'organisation de la conférence. L'exécutif de la SCG a visité les lieux le 24 mai et tous ont trouvé les installations plus que satisfaisantes.

Eastern Quebec Regional Section - Jean Côté, Section Director
Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This annual report is a summary of the activities of the Eastern Québec Regional Section of the Canadian Geotechnical Society, for the period from 01 July 2013 – 30 June 2014. The Eastern Quebec Section gathers a small community of about 55 members of the Canadian Geotechnical Society, mainly from the public sector (government and university) as well as the private sector. However, the community interested in geotechnical and geological engineering is significantly larger, as evidenced by our mailing list which has more than one hundred entries. A detailed report from the Eastern Québec Regional Section is provided below.

Executive Committee

The 2013-2014 Executive Committee of the Eastern Quebec regional section consists of the following members:

- Chair:* Janelle Potvin, Ministère des Transports du Québec
- Director:* Jean Côté, Université Laval
- Secretary:* Julie Therrien, Ministère des Transports du Québec
- Treasurer:* Alexis Fortin, Pascal Locat, Ministère des Transports du Québec
- Members:* Kamel Hamouche, Inspecsol, Didier Perret (past director), Geological Survey of Canada, Jonas Despatie, LVM, Olivier Juneau, LEQ, Jean-François St-Laurent, SNC-Lavalin, Ariane Locat, Université Laval, Simon Malenfant, Ministère des Transports du Québec, Vincent Castonguay, Université Laval, Sarah Bouchard, Université Laval

Activities

Two types of activities are organized by the section. Lunch-time and, occasionally, dinner lectures are proposed on a regular basis. Workshops are organized on an ad-hoc basis to respond to a specific need expressed by the regional geotechnical community. We have a lunch/dinner lecture every month from September to June. The list of lectures given so far is found in the table below. Typical attendance at the lunch/dinner lectures is between 30 and 65 persons. We have seen a slight decrease in attendance recently, probably due to the more frequent offerings of the last months.

Lecturer	Affiliation	Title	Date	#
Marc Smith	Hydro-Québec	Détection des infiltrations dans les barrages et leurs fondations	12 sept. 2013	61
Edward Kavazanjian	Arizona State University	CCLT: Evaluating the Seismic Coefficient for Slope Stability and Retaining Wall Design	9 oct. 2013	35
Jean-Sébastien L'Heureux	Norwegian geotechnical Institute (NGI)	Exemple d'application des méthodes géophysiques pour la caractérisation des géomatériaux	25 oct. 2012	47
Mourad Karray	Université de Sherbrooke	Développement de la méthode pseudo-statique spectrale pour l'analyse de la stabilité dynamique des talus et des ouvrages en remblai	4 déc. 2013	41
Anne-Marie Leblanc	Geological Survey of Canada	La modélisation tridimensionnelle du régime thermique du pergélisol et la cartographie des déplacements à la surface du sol par télédétection	24 jan. 2014	42
V. Castonguay C. Cloutier S. Bouchard	Université Laval	Conférence des boursiers 2013	27 fév. 2014	35
J. Graham	University of Manitoba	Spring 2014 CCLT : Soil parameters for numerical analysis in clays.	23 avril 2014	25
R. Brachman	Queen's University	Physical response of landfill geosynthetics	21 mai 2014	20
Sandro Sandroni	Pontifical Catholic University of Rio de Janeiro	Cases of use of observational method in practice	28 mai 2014	21
Samuel Briet et Andrien Viateau	Géopac	Techniques d'amélioration de sol, études de cas en vibro-remplacement et colonnes à module contrôlé	6 juin 2014	

Didier Perret	Geological Survey of Canada	Dynamique des sols et comportement des sables.	20 juin 2014	
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A three-day course was given by Serge Leroueil on the practical applications of advanced soil mechanics in collaboration with the general bureau of continuing education of Université Laval and the regional section. The first session took place May 1-3 in Montréal and a second one was held on May 8-10 in Québec City. A total of 52 participants took the course (26 in Québec City and 26 in Montréal). A cocktail event was also held in the Café FouAÉLIÉ on May 8 to honor the members that received prestigious awards during the year 2013 – 2104. This new initiative has gathered over 45 people.

Membership

The conferences that we organise are proposed for free and one does not need to be a member of the CGS to attend. No annual registration is asked to attend the conferences either. This allows promoting continuing education in geotechnical engineering. However, in order to promote adhesion to the CGS national, we deliver certificates of continuing education to CGS members only.

Meetings

The executive committee meets once a month to plan the activities for the section.

Financial status

The annual budget is about 5 000 \$ (scholarships and conferences). The funds primarily come from the revenues of the Canadian Geotechnical Conference in 2004 and from a few courses and other conferences held since 2004.

GéoQuébec 2015 Conference

The local organizing committee of the GeoQuebec 2015 conference constantly work on the preparation of the national CGS conference in Quebec City in September 2015. The conference theme is: Challenges from South to North. The selected hotel is the Hilton Quebec and the conference venue is the Quebec congress center, which will be able to accommodate up 700 delegates. Agora Communication has been hired to manage the conference. The executive of the CGS had its spring meeting in Quebec City in May 24th, which entitled all members to visit the venue. All found the facilities more than satisfying.

Nova Scotia Section - James Mitchell, Section Director Report of Activities - July 1, 2013 to June 30, 2014

Introduction

This report is a summary of the activities of the Nova Scotia Section of the Canadian Geotechnical Society (CGS) for the period between July 1, 2013 and June 30, 2014.

Executive Committee

The 2013-2014 Executive Committee of the Nova Scotia Section consists of the following members:

Chair: James Mitchell (Stantec, Dartmouth)
Vice-Chair: Anthony Urquhart (BGC Engineering Inc., Halifax)
Treasurer: Scott Munro (BGC Engineering Inc., Halifax)
Past-Chair: Anthony Urquhart (BGC Engineering Inc., Halifax)

Membership

The Nova Scotia section consists of approximately 36 members.

Meetings

Bi-monthly meetings of the executive committee started 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.

Our focus over the past 3 months has been on brainstorming additional ideas for activities within the region for the upcoming year. It is our intention to hold bi-monthly activities starting in the fall.

Activities

Our activities in 2013-2014 included the Spring Cross Canada Lecture Tour

April 21, 2014 Spring CCLT: Natural Processes and Strength Degradation – Dr. James Graham

The spring CCLT was held at Dalhousie University. From the feedback I received after the presentation, Dr. Graham's presentation was very well received by all who attended. The attendance for this event was 30 people, which included 15 members, 3 students, and 12 non-members.

Financial status

~\$20,000.00

Awards, Donations and Sponsorships

Committee agreed to sponsor one eligible candidate for the 2014 GeoRegina Conference. Upon discussing this sponsorship with the local universities, it appears that there are no candidates who intend on making presentations at the conference, so we will not be sponsoring a student this year.

New Brunswick Section - Hany El Naggar, Section Director Report of Activities – January 1, 2014 to June 30, 2014

Introduction

This report is a summary of the activities of the New Brunswick Section of the Canadian Geotechnical Society, for the period from 01 January - 30 June 2014. An initial executive committee has been formed from professionals working in the province of NB. The group started to arrange for a series of presentations to take place during the summer and next fall as reported in our previous report. A detailed report from the New Brunswick Section is provided below.

Executive Committee

The 2013-2014 Executive Committee of the New Brunswick Geotechnical Group consists of the following members:

Chair: Hany El Naggar

Secretary: Gregory James Healy

Treasurer: TBD

Board Member: Olivia Hernandez

Board Member: TBD – from Saint Johns (initial contact was made)

Board Member: TBD – from Moncton

Activities

Meetings

The 2014 meetings held to date were as follows:

- Friday February 7th 2014 to discuss section formation
- Thursday March 20th 2014 to plan for some professional activities
- Friday June 13th 2014 to plan for the cross New Brunswick lecture series

Financial status

No available funds so far.

Additional Information

A "Lunch and Learn" lecture by Prof. Arun Valsangkar was initially planned for last week of May 2014; however, it was recommended by him and others to be postponed to Sep./Oct. for a better attendance. Accordingly, the event will be taking place 2 weeks after the CGS conference. The venue will be in the two campuses of the University of New Brunswick (one lecture in the Fredericton campus and the other in the Saint John campus). Also, the University of Moncton will be contacted for a possible third lecture at Moncton if they are willing to provide the venue.

Current discussions are underway about arranging professional training courses under the section's umbrella. The net revenues from such courses would assist in the funding of other section activities.

Newfoundland and Labrador Section (St John's Geotechnical Society)
Janet Williams, Section Director
Report of Activities - July 1, 2013 to June 30, 2014

Introduction

The St. John's NL chapter of the Canadian Geotechnical Society (CGS) consists of approximately 15 members, with approximately 65 people on our local mailing list.

Executive Committee

The 2013-2014 Executive Committee of the St. John's Geotechnical Group consists of the following members:

Chair: Janet Williams, P.Eng.
2014 Treasurer: Ken Chi, P.Eng.
2014 Student Liaison: Kenton Pike, P.Eng.

Activities

September 29, 2014 to October 2, 2014 – Student Sponsorship of Memorial University of NL graduate student Kenton Pike to the CGS Conference in Montreal (GeoMontreal 2013).

June 9, 2014 – Lunch and Learn at C-CORE Building, Attendance: 17 people
Dewatering and Groundwater Control for Engineering Projects” by Dr. Preene of Golder Associates.
Summary of the Talk: Dewatering and groundwater control plays a key part in many engineering projects. Successful design of groundwater control schemes requires a synthesis of hydrogeology, geotechnical engineering with a dash of practical experience, and some would say luck! Martin Preene is a highly experienced dewatering specialist from the UK who will share his perspective on the approach to dewatering design and operation and will discuss some unusual applications for dewatering that have been implemented internationally over the last decade. The presentation will include methods used for groundwater control, approaches that can be taken to design, and will include some project examples.
Information on Martin Preene: Dr. Preene is a Chartered Engineer and Chartered Geologist. He the author of Groundwater Lowering in Construction: A Practical Guide to Dewatering a textbook on dewatering now in its 2nd edition, more than 40 papers, and several industry guidance documents on the investigation and control of groundwater including the UK dewatering industry guidance CIRIA Report C515 Groundwater Control Design and Practice. He is a Principal with Golder Associates (UK) Ltd, and the firm's foremost authority on construction dewatering.

Financial Status: Current Bank Balance is \$904.40

Summary Report Technical Divisions - Myint Win Bo, Divisions Representative Report of Activities – July 1, 2013 to June 30, 2014

Introduction

Each of the seven (7) Technical Divisions in the Canadian Geotechnical Society (CGS) has a mandate to promote and facilitate the advancement, exchange and transfer of knowledge, skills and experience in the relevant field of engineering for the benefit of division members and the profession.

As part of the Canadian Geotechnical Society, the general objectives of each Division are:

- to provide 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.

Executive Committees

The Technical Divisions are relatively autonomous bodies within the structure of the CGS and their activities are controlled by an Executive Committee. The Division Chairs carry 3-year terms ending December 31st as shown below.

Cold Regions Geotechnology Baolin Wang, P.Eng. bwang@nrcan.gc.ca	2016	Groundwater Tai Wong, P.Eng. tai.wong@sait.ca	2016
Engineering Geology Doug Stead, P.Eng. dstead@sfu.ca	2015	Rock Mechanics Jim Hazzard, P. Eng. jhazzard@itascacg.com	2014
Geoenvironmental Myint Win Bo, P.Eng., P.Geo. * mwinbo@dstgroup.com	2014	Soil Mechanics and Foundations Alex Baumgard, P.Eng., P.Geo. abaumgard@bgcengineering.ca	2016
Geosynthetics Richard W.I. Brachman, P.Eng. Brachman@civil.queensu.ca	2016		

* Represents Technical Divisions on Executive Committee

In 2014, four new Chairs were appointed for the Cold Regions Geotechnology, Geosynthetics, Groundwater and Soil Mechanics and Foundations divisions. At the end of 2014, the 3-year terms will end for the chairs of Geoenvironmental and Rock Mechanics divisions. Geoenvironmental division has nominated both new chair and co-chair and their names have been submitted to Vice President for approval and action.

Affiliations with Other Organizations

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 - International Geosynthetics Society (IGS) and the North American Geosynthetics Society (NAGS)
- 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.

Membership Information

CGS members, at the time of completing their membership form, are given the opportunity to choose one of the Divisions as their first choice, and as many of the other Divisions as they are interested as their second choices. Out of 1,000 plus Active CGS members, the following are the membership statistics for the divisions:

Cold Regions Geotechnology	71/209*
Engineering Geology	106/253*
Geoenvironmental	102
Geosynthetics	51/219*
Groundwater	40/148*
Rock Mechanics	95/277*
Soil Mechanics and Foundations	639

Note: numbers noted with * are second choices

Note that members who did not select a choice are assumed to belong to the Soil Mechanics and Foundations Division.

List of Activities

The Chairs of the Divisions have submitted their Annual Reports on the activities of their respective Divisions and should be consulted for their detailed activities. A short summary of the Division activities is provided below:

Cold Regions Geotechnology:

There were nine cold regions papers at the 2013 CGS conference in Montreal, QC, which are less than in the previous year. A total of 37 abstracts were submitted to GeoRegina 2014 and 35 accepted. A total of 15 papers were submitted to the conference to date. More papers are expected by the deadline in June. The International Short Course on Permafrost Engineering: Effective Design and Construction in Permafrost Regions at the University of Alberta, was successfully run from December 5-10, 2013. It was attended by about 30 participants. The CRGD supported Mr. David Flynn, PhD Student at the University of Manitoba to attend the 2013 Canadian Young Geotechnical Engineers and Geoscientists Conference, which was held in Mont Tremblant, QC.

Engineering Geology:

The membership of the Engineering Geology Division Executive Committee has increased from three to eight. Prof. Jean Hutchinson of Queens University, Department of Geological Sciences and Geological Engineering, was awarded the Thomas Roy Award for 2013 at the CGS Annual Conference in Montreal. Increased collaboration with the Rock Mechanics Division and the Landslides Committee is being considered. The EGD solicited nominations through CGS Members for the IAEG Hans Cloos Medal and the Canadian entry for the Richards Wolter Medal. The EGD www page was updated to include upcoming Engineering Geology events. The EGD Chair is currently Co-Chair of the 1st International Discrete Fracture Network Engineering Conference (DFNE 2014) <http://www.dfne2014.ca/> to be held in Vancouver October 19-22, 2014.

Geoenvironmental:

Four of the Geo-environmental group members (Kerry Rowe, Myint Win Bo, Shahid Azam & Catherine Mulligan) participated in the development of a new Environmental Geotechnics Journal to be published by ICE, UK and are also members of the Board of Editors. The same four Geo-environmental members also participated in reviewing and editing of first issue of the Environmental Geotechnics Journal. A seminar entitled "Mega Land Reclamation and Ground Improvement Projects in Singapore" was held at the Western Ontario University in London on 20th June 2013, and the Division is in the process of arranging another local seminar in Ottawa and Thunder Bay. Division successfully secured next Chair and Co-Chair term starting 2015 and forwarded the nomination to Vice President (Technical). Nomination for Geoenvironmental award was submitted to CGS Secretariat.

Geosynthetics:

The Division organized a 1-day Short Course on "Geosynthetics in Landfill and other Barrier Systems" on Sunday, September 29 as part of the GeoMontreal 2013 Conference. The instructors were: Kerry Rowe,

Eric Blond and Troy Shaw. A meeting of the Division was held at the CGS Conference in Montreal and was attended by 12 people. As a new mode of advancing geosynthetic education, a series of four webinars were organized in conjunction with NAGS. NAGS is responsible for all costs and will receive all profits, if any; there is no financial risk to the Division. The first webinar was held on March 19, 2014. The speaker was Prof. R. Kerry Rowe from Queen's University and he delivered a fantastic one hour webinar on "Recent insights on the performance of GCLs in bottom liners and covers". Future webinars will be given by Profs Fannin from UBC and Bathurst from RMC, and Mr. Bob Mackey.

Rock Mechanics:

Twenty members attended the division's annual general meeting (AGM), which was held in conjunction with the October 2013 CGS Montreal Conference. Three sets of past conference proceedings have been added to the CARMA webpage. CARMA sponsored a student at the Canadian Young Geotechnical Engineering and Geoscientists Conference (Mt. Tremblant, 2013). CARMA has provided seed money to the First International Conference on Discrete Fracture Network Engineering (Vancouver, October 2014) and to the 13th International ISRM Congress (Montreal, May 2015).

Soil Mechanics and Foundations:

The Soil Mechanics and Foundations Division (SMFD) Annual meeting was held on October 1, 2013 at CGS Montreal Conference. Alex Baumgard was introduced as the new Division Chair for 2014-16. During the annual meeting there was a discussion on the SMFD's potential role in preparing a new 5th Edition, Canadian Foundation Engineering Manual. It was also noted that a specific meeting on the same topic was organized by the CGS Executive Committee for the following day where this matter would be discussed. On a separate issue, there was a free discussion on encouraging senior CGS members to make technical presentations in the cities they visit during their business travels. This is particularly important when visiting smaller CGS Sections since they have fewer local members to present talks. The 2013 G.G. Meyerhof Award winner was Jean Lafleur for his leadership in preparing the French version of the 4th Edition of the Canadian Foundation Engineering Manual. Nominations for the G2014 .G. Meyerhof Award were due into the CGS on June 1, 2014. A sub-committee of three SMFD members has been formed to select the winner of the Award following receipt of all nominations. A meeting was held on Wednesday, October 2, 2013 to discuss development of the 5th Edition of the Canadian Foundation Engineering Manual (CFEM) and was chaired by CGS President, Richard Bathurst.

Groundwater:

Wellbore Integrity and Shale Gas Development: Geomechanics, Geochemistry and Hydrogeology, a 2-Day APEGA Professional Development Seminar was successfully held.

Financial Status

The Cold Regions Geotechnology and the Engineering Geology Divisions, respectively, have \$14,276 and \$8,836 in their accounts held at CGS. The other Divisions have no funds, have unknown financial status, or have funds that are pooled with (and jointly administered by) sister organizations.

Cold Regions Geotechnology Division - Baolin Wang, Chair Report of Activities – July 1, 2013 to June 30, 2014

Introduction

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.

Executive Committee

As of January 1, 2014 the Executive Committee of the Cold Regions Geotechnology Division welcomed a new chair. The committee currently consists of the following members:

Chair: Baolin Wang – Natural Resources Canada, Ottawa, ON
Past-Chair: Lukas Arenson – BGC Engineering Inc., Vancouver, BC
Members: Ed Hoeve – EBA Engineering Consultants Ltd., Yellowknife, NT
Ryan Phillips – C-CORE, St. John's, NL
Dave Seago – University of Alberta, Edmonton, AB
Jean Côté – Laval University, Québec, QC
Jack Seto - BGC Engineering Inc., Edmonton, AB

Affiliations with Other Organizations

The Division is affiliated with the International Permafrost Association (IPA) and maintains ties with the Technical Council on Cold Region Engineering (TCCRE), Frozen Ground sub-committee, of American Society of Civil Engineers (ASCE), and the Frost Geotechnics Technical Committee (TC216) of the International Society for Soil Mechanics and Foundation Engineering (ISSMGE).

The Past-Chair of CRGD is Vice-Chair of the IPA Permafrost Engineering Interest Group and member of the Transport Canada Network of Expertise on Permafrost Infrastructure.

Membership Information

As of May 28, 2014, the membership list includes 71 first choice members. The membership has been relatively steady compared to the previous years. Their regional distribution is as follows: AB: 24, BC: 9, QC: 9, MB: 8, ON: 7, YT: 5, NL: 1, NS: 1, NT: 1, SK: 1, International: 5.

List of Activities

There were nine cold regions papers at the 2013 CGS conference in Montreal, QC, which are less than in the previous year. A total of 37 abstracts were submitted to GeoRegina 2014 and 35 accepted. A total of 15 papers were submitted to the conference to date. More papers are expected by the deadline in June.

The Roger J.E. Brown Award was not scheduled for 2013. It will be awarded in 2014.

The International Short Course on Permafrost Engineering: Effective Design and Construction in Permafrost Regions at the University of Alberta, was successfully run from December 5-10, 2013. It was attended by about 30 participants.

The CRGD supported Mr. David Flynn, PhD Student at the University of Manitoba to attend the 2013 Canadian Young Geotechnical Engineers and Geoscientists Conference, which was held in Mont Tremblant, QC.

Financial Status: The CRGD has \$14,276 on account as a line item with the CGS.
Prepared by Lukas Arenson, Past-Chair and Baolin Wang, Chair

Engineering Geology Division - Doug Stead, Chair ***Report of Activities – July 1, 2013 to June 30, 2014***

Introduction

This document summarizes the activities of the Engineering Geology Division (EGD) of the Canadian Geotechnical Society for the period from July 1st, 2013 to June 30th 2014. 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.

Executive Committee

The 2013-2014 Executive Committee of the Engineering Geology Division consists of the following members:

Chair: Doug Stead, SFU, Burnaby, BC, dstead@sfu.ca
Vice-Chair: Arash Eshraghian, Golder Associates, Calgary, AB, arash.eshraghian@amec.com
Past-Chair: Davide Elmo, UBC, Vancouver, BC, delmo@mail.ubc.ca
Members: Stephen Butt, Memorial University, St. John's NL, sbutt@enr.mun.ca
Ariane Locat, Laval University, Quebec City, QC, ariane.locat@gci.ulaval.ca
Karine Champagne, Hydro-Québec, Montréal, QC, champagne.karine2@hydro.qc.ca
Nick Vlachopoulos, RMC, Kingston, ON, vlachopoulos-n@rmc.ca
Anna Torgunrud, Mollard Associates, Regina, SK, torgunrud@jdmollard.com

Affiliations with Other Organizations

The EGD is closely affiliated with the International Association of Engineering Geology (IAEG) with Rejean Couture, Past EGD Chair currently VP for North America. Doug Stead, EGD Chair is currently the Canadian National Group IAEG representative. There are also links with the Association of Environmental and Engineering Geologists (AEG) in the United States.

Membership Information

In 2013 the EGD membership first choice membership was 106 and the 2nd choice 253. The majority of members originate from nine Canadian Provinces, whilst the remaining members are from various countries, including USA, Switzerland, Ireland, Hong Kong, Singapore, South Lebanon, France, Netherlands, Norway and Japan.

List of Activities

- Since January 2013 the membership of the Engineering Geology Division Executive Committee has increased from three members to the current total of eight. The EGD now has representation from six provinces. The Annual EGD meeting at the CGS conference in Montreal was well attended with strong representation from the current Executive.
- Prof. Jean Hutchinson of Queens University, Department of Geological Sciences and Geological Engineering, was awarded the Thomas Roy Award for 2013 at the CGS annual conference in Montreal in October 2013. Prof. Hutchinson is considered one of Canada's most highly recognized and respected international landslide experts, and is one of the leading international engineering geology practitioners in the areas of remote sensing, risk assessment and uncertainty, railway geohazards and underground and surface rock engineering.
- Increased collaboration with the Rock Mechanics Division in hosting a joint session at future CGS Annual Conference was explored. The EGD Chair was a member of the CGS RMD John Franklin Award selection committee for 2013.
- Increased collaboration with the CGS Landslides Committee has involved a meeting and email discussions between the current Chair (Michael Porter) and Scott McDougal to discuss future initiatives. The Chair of the EGD served as a member of the 2014 Schuster Medal selection committee.
- The EGD solicited nominations through CGS Members for the IAEG Hans Cloos Medal and the Canadian entry for the Richards Wolter Medal. Nominations for both awards were obtained and forwarded to the IAEG Secretary General. Decisions on both international awards will be announced at the IAEG Conference in Turin. The EGD Chair hopes to attend the IAEG Conference and Board Meeting in Turin in September 2014.
- The EGD www page was updated to include upcoming Engineering Geology events and to include details of past recipients of the Thomas Roy Award. This was at the request of EGD members to more readily assist in the nomination process.
- The EGD Chair was a member of the CGS 2104 Geotechnical Colloquium Selection Committee.
- Nomination and Selection Committees were struck for the 2014 Thomas Roy Award. The winner of this award will be announced at the CGS Conference in Regina.
- The EGD Chair is currently a member of the APEG BC Geotechnical Engineering Task Force
- The EGD Chair is currently Co-Chair of the 1st International Discrete Fracture Network Engineering Conference (DFNE 2014) <http://www.dfne2014.ca/> to be held in Vancouver October 19-22, 2014. This conference has had 170 abstracts submitted and will bring together DFN users

from 18 countries to discuss the applications of this technique in engineering geology, rock engineering, and the mining, civil and petroleum sectors. Dr. Davide Elmo, Past Chair of EGD, is also a member of the Conference Local Organizing Committee.

- The EGD Chair was a member of the International Advisory Committee of the successful Vajont 2013 Symposium <http://www.vajont2013.info/vajont-pd/> held in Padova Italy, October 8-10 2013 to commemorate the 50th anniversary of the catastrophic Vajont Slide. He is a co-organizer of a session on Deep-Seated Gravitational Slope Displacements at the International Association of Engineering Congress <http://www.iaeg2014.com/> which will be held in Turin, Italy in 2014 and a member of the National Scientific and Technical Committee of the ISRM Congress to be held in Montreal May 10 -13, 2015.

Financial Status

The current balance in the EGD restricted CGS account is \$8,836.00.

Geoenvironmental Division - Myint Win Bo, Chair ***Report of Activities – July 1, 2013 to June 30, 2014***

Introduction

The Geoenvironmental Division consists of 40 members across Canada within CGS.

Executive Committee

The 2013-2013 Executive Committee of the Geoenvironmental Division consists of the following members:

<i>Chair:</i>	Prof Myint Win Bo
<i>Vice- Chair:</i>	A/Prof Craig Lake
<i>Executive Committee members:</i>	Prof Julie Shang, Prof Bruce Kjartanson, A/Prof Mamadou Fall A/Prof Bruno Bussière, Dr. Soe Moe Kyaw Win

Affiliations with Other Organizations

ISSMGE

Membership Information

Division has 40 + members across Canada who are CGS members.

List of Activities

- 1) Geo-environmental website was updated.
- 2) Three of the Geo-environmental group members (Dr Kerry Rowe, Dr Myint Win Bo, Dr Shahid Azam & Dr Catherine Mulligan) participated in a development of new Environmental Geotechnics journal to be published by ICE, UK. These three members are sitting on the board of editors and regional editor and attended several board meetings.
- 3) Four Geo-environmental group members participated in reviewing and editing of first issue of environmental geotechnics journal.
- 4) Three geo-environmental group members also published papers in inaugurated issue of environmental geotechnics journal.
- 5) A seminar entitled "Mega Land Reclamation and Ground Improvement Projects in Singapore" was held in Western Ontario University in London on 20th June 2013.
- 6) Division is in the process of arranging another local seminar in Ottawa.
- 7) Division is in the process of arranging local seminar in Thunder Bay jointly with Thunder Bay section of CGS.
- 8) Division has successfully secured for next Chair and Co-chair and forwarded nominations to Vice President (Technical).
- 9) Nomination for Geoenvironmental award was submitted to CGS Secretariat.

Financial Status

None

Geosynthetics Division - Richard Brachman, Chair Report of Activities – July 1, 2013 to June 30, 2014

Introduction

This report is a summary of the activities for the period July 1, 2013 to June 30, 2014.

Executive Committee

Up to December 31, 2013, the Executive Committee of the Geosynthetics Division included:

Chair: Kerry Rowe, Queen's University - kerry@civil.queensu.ca
Vice-Chair: Richard Brachman, Queen's University - brachman@civil.queensu.ca
Secretary: Craig Lake, Dalhousie University - craig.lake@dal.ca
Past-Chair: Andrew Lister, TenCate Geosynthetics - a.lister@tencate.com

As of January 1, 2014, the Executive transitioned to:

Chair: Richard Brachman, Queen's University - brachman@civil.queensu.ca
Vice-Chair: Craig Lake, Dalhousie University - craig.lake@dal.ca
Secretary: vacant
Past-Chair: Kerry Rowe, Queen's University - kerry@civil.queensu.ca

Other positions:

NAGS representative: Richard Brachman

2013 Montreal Conference representative: Eric Blond

2015 Geosynthetics Conference representative: Craig Lake

2016 GeoAmericas Conference representative: Richard Brachman

Affiliations with Other Organizations

The Geosynthetics Division is affiliated with the North American Geosynthetics Society (NAGS). NAGS is the North American Chapter of the International Geosynthetics Society. With NAGS, we share in a mission of providing leadership in advancing the education and research of geosynthetics.

Membership Information

As of March 26, 2014, the Geosynthetics Division had 51 first choice and 219 second choice members. The number of first choice members is down from 58 in the previous year.

List of Activities

1) Short-course: The Division organized a 1-day Short Course on "Geosynthetics in Landfill and other Barrier Systems" on Sunday, September 29 as part of the GeoMontreal 2013 conference. The instructors were: Kerry Rowe, Eric Blond and Troy Shaw. There were 10 attendees. The instructors received very positive feedback on content and delivery style.

2) Division meeting: A meeting of the Division held at the CGS Conference in Montreal was attended by 12 people and a good discussion followed for one hour.

3) Webinars: As a new mode of advancing geosynthetics education, we have organized a series of four webinars in conjunction with NAGS. NAGS is responsible for all costs and hence will receive all profits, if any; there is no financial risk to the Division. Division involvement ensured NAGS member pricing for any CGS member (\$100 for NAGS/CGS members vs. \$300 for others). The first webinar was held on Wednesday March 19, 2014. Our speaker was Prof. R. Kerry Rowe from Queen's University and he delivered a fantastic 1 hr webinar on "Recent insights on the performance of GCLs in bottom liners and covers". Attendance was very good and exceeded our initial expectations. The technology platform worked remarkably well. Overall, we deemed our first webinar to be a great success. Our future webinars will be given by Prof. Fannin from UBC and Mr. Bob Mackey on topics of filtration, and drainage composites. We would be happy to share our experiences with the webinar delivery platform with other divisions.

Financial Status

Neither credits nor expenses since last year.

Groundwater Division - Tai T. Wong, Chair
Report of Activities January 1, 2013 to June 30, 2014

Introduction

The Hydrogeology Division (HGD) 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.

As of 2014, the HGD has been renamed the Groundwater Division (GWD) to emphasize the more focussed interest of the CGS in groundwater engineering and technology rather than the broader aspects of hydrogeology.

Executive Committee

The 2014-2015 Executive Committee of the GWD consists of the following members:

Chair: Tai T. Wong – SAIT Polytechnic , twong@mems.ca
Vice-Chair: To be determined
Past-Chair: Christopher Neville – S.S. Papadopulos & Associates Inc., cneville@sspa.com
IAH Liaison: Grant Ferguson – University of Saskatchewan, grant.ferguson@usask.ca

The GWD has engaged in informal communications with the members of the Executive Committee, future plans for the GWD, distributing relevant groundwater science and technology information and the solicitation of nominations for the Farvolden Award.

Affiliations with Other Organizations

The GWD is affiliated with the Canadian National Chapter of the International Association of Hydrogeologists (IAH-CNC). The GWD chair is a non-voting member of the Executive of the IAH-CNC and, likewise, the chair of the IAH-CNC is a non-voting member of the Executive Committee of the GWD. The principal joint activity of the GWD and the IAH-CNC has been the annual organization of Joint IAH-CNC and CGS Groundwater Specialty Conference. The first of these conferences was held in Montreal in 2000 during the 53rd Canadian Geotechnical Conference followed by joint meetings in Calgary, Niagara Falls, Winnipeg, Québec, Saskatoon, Vancouver, Ottawa, and Edmonton, and, in 2009, in Halifax.

The local organizing committees for the Canadian Geotechnical Conferences held in Calgary in 2010, Toronto in 2011, and Winnipeg in 2012 did not invite the IAH-CNC to participate. It is considered important to revive the joint conference format to foster collaboration between engineers and geoscientists and to have sufficient groundwater content at conferences. Through personal contacts and discussion, Tai gathered that, as a result of these non-invitations, there is a deep division between the hydrogeologists and the Society at least in Alberta. Mending this fence will be a top priority of the Groundwater Division.

The other link with the IAH-CNC is the review and selection of the Farvolden Award winner. The CGS shares the award of the Robert N. Farvolden Award with the IAH-CNC. The GWD has struck a Farvolden Award Committee for 2014. Professor Grant Ferguson, President of the IAH-CNC, and the chair of GWD will manage the committee. The voting members of the committee are Professor Kent Novakowski, Queen's University, Dr. Garth van der Kamp, Environment Canada, and Mr. John Petrie, Golder Associates. The three voting members are among the leading hydrogeologists in Canada, and provide a diverse perspective from academia, research, and consulting. Two nominations for the 2014 award have been received as of April 30, 2014.

Membership Information

As of April 29, 2014, the number of members of the CGS listing GWD as their first choice is 40, and the number of members selected GWD as their second choice is 148.

List of Activities

Farvolden Award 2014:

The selected recipient is Dr. Jim Barker, University of Waterloo.

Seminar:

Wellbore Integrity and Shale Gas Development: Geomechanics, Geochemistry and Hydrogeology, a 2-Day APEGA Professional Development Seminar. An attempt was made to broadcast this event to the general CGS membership, but the GWD only managed to send an announcement to Southern Alberta membership.

Division Executives:

A number of meetings and conference calls were organized to discuss details and complications associated with solicitation and appointment of executive members. This activity is ongoing.

Financial Status

The CGS is not holding any funds for the GWD.

Rock Mechanics Division - Jim Hazzard, Chair ***Report of Activities – July 1, 2013 to June 30, 2014***

Introduction

The Rock Mechanics Division strives 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.

Executive Committee

The 2013-2014 Executive Committee of the Rock Mechanics Division consists of the following members:

<i>Chair:</i>	Jim Hazzard	Itasca Consulting Group, Toronto (jhazzard@itascacg.com)
<i>Vice-Chair:</i>	Sam Proskin	Nor-Ex Ice Engineering, Edmonton (sproskin@norexice.com)
<i>Past Chair:</i>	Chris Hawkes	University of Saskatchewan (cdh780@mail.usask.ca)
<i>Student Liaison:</i>	Thomas Lardner	University of Western Ontario (tlardner@uwo.ca)
<i>Members:</i>	Silvana Micic	EXP, Brampton
	Derek Kinakin	BGC Engineering, Vancouver
	Marc-Andre Brideau	BGC Engineering, Vancouver
	Jordan Severin	SRK, Vancouver
	Ehsan Ghazvinian	Queen's University, Kingston
	Chrysothemis Paraskevopoulou	Queen's University, Kingston
	Andy Corkum	BGC Engineering, Halifax
	Véronique Boivin	EXP, Sherbrooke

Affiliations with Other Organizations

The Rock Mechanics Division is affiliated with the Canadian Rock Mechanics Association (CARMA). Through CARMA, the RMD interacts with the International Society of Rock Mechanics (ISRM). The chair of CARMA is rotated between the CGS-RMD and the Canadian Institute of Mining's Rock Engineering Society (CIM-RES). In 2014 and 2015, the chair is CGS-RMD chair Jim Hazzard. Other members of the CARMA executive in 2014 include Luc Beauchamp, Denis Thibodeau and John Hadjigeorgiou (CIM-RES executive members), and Sam Proskin (CGS-RMD executive).

Membership Information

As of May 31, 2014, 95 CGS members had selected the RMD as their first choice and 277 had selected it as one of their second choices.

Financial Status

The RMD itself has no finances. The CGS feeds membership dues for RMD members directly to CARMA. As of April 31, 2014, the cash balance of CARMA's bank account was \$62,467.94. BDO Canada just completed a financial audit and found no irregularities.

Additional Information

- Twenty members attended the division's annual general meeting (AGM), which was held in conjunction with October's 2013 CGS conference (Montreal). Detailed minutes were circulated to Division members in November, 2013. Highlights include: (i) Search for new members, including a vice chair (ii) CARMA webpage (iii) increasing rock mechanics participation at GeoRegina, (iv) the role of the RMD within CGS;
- Three sets of past conference proceedings have been added to the CARMA webpage. Scanning and uploading of past proceedings is continuing.
- CARMA sponsored a student at the Canadian Young Geotechnical Engineering and Geoscientists Conference (Mt. Tremblant, 2013).
- CARMA has provided seed money to the First International Conference on Discrete Fracture Network Engineering (Vancouver, October 2014) and to the 13th International ISRM Congress (Montreal, May 2015).

Soil Mechanics and Foundations Division - Alex Baumgard, Chair **Report of Activities – July 1, 2013 to June 30, 2014**

Introduction

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.

Executive Committee

The 2013-2014 Executive Committee of the Soil Mechanics and Foundations Division consists of the following members:

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

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

Vice-Chair: TBD

Members: Andrew Take, Queens University, Kingston [andy.take@civil.queensu.ca]
Denis LeBoeuf, Université Laval, Québec [denis.leboeuf@gci.ulaval.ca]
Dipanjan Basu, University of Waterloo, Ontario [dipanjan.basu@uwaterloo.ca]
John Sobkowicz, Thurber Engineering Ltd., Calgary [jsobkowicz@thurber.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]
Roger Skirrow, Alberta Infrastructure & Transportation, Edmonton, Roger.Skirrow@gov.ab.ca
Sean Hinchberger, Hatch Engineering, London [shinchberger@hatch.ca]

Affiliations with Other Organizations

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

Membership Information

Not applicable

List of Activities

Annual Meeting, CGS Conference – Montreal 2013

The SMFD Annual meeting was held on Tuesday, October 1, 2013 at the Hilton Montreal Bonaventure hotel. The meeting was chaired by Bipul Hawlader. In addition to the SMFD executive committee members, the meeting was open to general members to attend. A number of issues were discussed, including:

a) New Division Chair

Alex Baumgard was introduced as the new Division Chair for the SMFD, taking over the role from Bipul Hawlader for the period 2014-2016.

b) Fifth Edition of Canadian Foundation Engineering Manual

Discussion related to the need for involvement from the SMFD and CGS as a whole to start work on the 5th Edition of the Canadian Foundation Engineering Manual (CFEM) continued. It was noted that a meeting specific to gathering ideas related to the CFEM was to be held on Wednesday, October 2, 2013 (the following day), which was organized by the CGS Executive Committee and members of the SMFD were encouraged to attend.

c) Role of SMFD and Relationship with Regional Sections

There was a free format discussion on the role of SMFD and how the division can serve better. A discussion was initiated by Alex Baumgard on how senior members in organizations, be they from industry, consulting or academia, when these members travel to various regions away from their local section, the members should consider contacting the visited regional section and offer to make a technical or non-technical presentation. It was recognized, that especially for regional sections where the membership is smaller, there may not be a great diversity in the types of projects being undertaken, and hence the variety of technical talks may be limited. By encouraging talks from visiting sections, diversity in subject matter and connection between the sections and divisions could be encouraged.

G.G. Meyerhof Award – 2013

Typical practice selection and award for the G.G. Meyerhof Award is for a sub-committee of three SMFD members to be formed to nominate the candidates, in addition to the nominations submitted from the membership-at-large, and another sub-committee to be formed to select the winner of the Award. In 2013, due to his significant contribution to the creation of the French language edition of the 4th Edition of the Canadian Foundation Engineering Manual, Jean Lafleur was selected for the 2013 G. G. Meyerhof Award. Jean Lafleur was presented with the award at the GeoMontreal 2013 Conference.

G.G. Meyerhof Award – 2014

Nominations for the 2014 .G. Meyerhof Award were due into the CGS on June 1, 2014. A sub-committee of three SMFD members has been formed to select the winner of the Award following receipt of all nominations. The winner of the Award will be announced and be presented with the award at the GeoRegina 2014 Conference.

5th Edition of the Canadian Foundation Engineering Manual

A meeting was held on Wednesday, October 2, 2013 to discuss development of the 5th Edition of the Canadian Foundation Engineering Manual (CFEM) and was chaired by CGS President, Richard Bathurst. Several members of the SMFD attended this meeting along with other members of the CGS Executive Committee and members of the CGS as a whole. Discussion included the intent of the new manual (should it be a completely new text or an update), delivery type (should it be provided as a hardcopy or electronic edition), and if electronic, should it be kept as a living document with individual chapter updates issued on a periodic basis when technology or technique evolves, and the need to appoint an editor or editors.

Financial Status

Not applicable

Education Committee - Jinyuan Liu, Chair
Report of Activities – July 1, 2013 to June 30, 2014

Introduction

The Education Committee has been continuing core activities since the Fall Conference in Montreal. A final report for the previous year was provided by Greg Siemens (Past Chair) for the board meeting at the 2013 Annual Conference updating the current tasks then. This report provides a summary of ongoing initiatives and activities completed from July 01, 2013 to June 30, 2014.

Executive Committee

The current committee members are:

Chair: Jinyuan Liu
Past-Chair: Greg Siemens
Members: Sumi Siddiqua, Administrator Student Competitions
 Paul Simms – Chair CFG National Graduate Scholarship Selection
 Ariane Locat – cYGEGC Conference Co-Chair
 Nicholas Vlachopoulos
 Tareq Salloum

Activities

1. CGS Student Competition

2014 Competition: Another CGS Student Competition is being organized. The Call for Submissions for the 2014 CGS Student Competitions along with requests for judges were sent out in February with a due date on 21st of May 2014. Additional reminder emails will also follow. The competition will be completed over the next two months and the winners will be announced in early July of 2014. Once again the Graduate Student Presentation Award winner will be invited to present at the CGS Conference in Regina in the fall.

2013 Competition: A total of 16 submissions were received including: 9 Graduate Presentations, 5 Undergraduate Group Reports and 3 Undergraduate Individual Reports.

The 2013 CGS Student Competition winners were:

Undergraduate Report Award (Individual)

Rank	Name of Student	University	Department	Title of Report
1.	Steven Harms	University of Manitoba	Civil Engineering	Large Scale Field Testing and Evaluation of Temporary Flood Protection Products
2.	Dale Brunton	Queen's University	Civil Engineering	Characterizing the Instability Line of Silica Sand as a Potential Landslide Triggering Mechanism

Undergraduate Report Award (Group)

Rank	Name of Students	University	Department	Title of Report
1.	Gary Cui Jessica Galavan Duncan Leung Matthew Lloyd	Queen's University	Geological Sciences and Geological Engineering	Holmestrand Underground Rail Cavern

2.	Jenna Bowling Ryun Humenjuk Crystal Lei Adam Woods Xiao Qin Yang	UBC Vancouver	Earth, Ocean & Atmospheric Sciences	Foundation and West approach Embankment Design
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Graduate Student Presentation Award

Rank	Name of Student(s)	University	Department	Title of Presentation
1.	Ryley Beddoe	Queen's University	Civil Engineering	Physical modelling of rainfall induced landslides
2.	M. Meckkey El Sharnouby	University of Western Ontario	Civil and Environmental Engineering	Monotonic and cyclic behaviour of steel fiber reinforced helical pulldown micropiles

(As per information provided by Sumi Siddiqua, 2013 and 2014 Administrator of the Student Competitions)

2. 4th cYGEGC

Conference Overview: The conference was held between October 3rd and 6th, 2013, in Mont-Tremblant, Québec, following the Canadian Geotechnical Conference, which was held in Montreal. It took place at the Centre des Congrès Tremblant and delegates were invited to stay at the Tour des Voyageurs. The conference organizing committee, organized under the auspices of the Education Committee of the Canadian Geotechnical Society (CGS), involved the participation of 13 young engineers from private practice and universities from all across Canada. The list of Organizing Committee members is as follow:

Name	Position	Affiliation
Ariane Locat	Chair	Université Laval, Quebec
Matthew Perras	Co-Chair	Queen's University, Kingston
Catherine Cloutier	Member at large	Université Laval, Quebec
Jennifer Day	Treasurer / Webmaster	Queen's University, Kingston
Kristen Van Esch	Member at large	BGC Engineering Inc., Vancouver
Ehsan Ghazvinian	Technical Chair	Queen's University, Kingston
Michael Van Helden	Sponsorship Chair	Trek Geotechnical Inc., Winnipeg
Julian McGreevy	Member at large	BGC Engineering Inc., Vancouver
Jeff Oke	Sponsorship Chair	Queen's University, Kingston
Mylène Sansoucy	Local Chair	Hydro-Quebec, Montreal
Rebecca Turley	Member at large	BGC Engineering Inc., Vancouver
Nick Wodzianek	Member at large	BGC Engineering Inc., Vancouver
Andrea Wolter	Promotion and Registration Chair	Simon Fraser University, Vancouver

This event brought together 30 young professionals from academia, industry and government backgrounds and five invited speakers including:

- Dr. Richard Bathurst, Royal Military College of Canada, CGS President;
- Dr. Lukas Arenson, BGC;
- Dr. Angela G. Küpper, BGC, CGS Technical Chair;
- Dr. Jocelyn Grozic, University of Calgary;
- Dr. André Rancourt, Hydrosys Experts-Conseils Inc.

The event began on October 2nd, 2013 with a Meet and Greet at the Hilton Montreal Bonaventure Hotel, site of the 66th Canadian Geotechnical Conference. During this event, the delegates, invited speakers, members of the CGS executive and representatives of the cYGEGC sponsors were invited to get together and meet one another. On the morning of October 3rd, 2013, the group left Montreal to go on the cYGEGC Technical Tour. The Technical Tour started with a visit to the Beauharnois Generating Station, followed by a technical talk on the history and the geotechnical aspects of the Beauharnois Station given by Daniel Verret and Sébastien Lopez, engineers working for Hydro-Québec. After lunch, M. Verret and M. Lopez lead us in a very interesting visit of the embankments constructed on both sides of the canal leading to the Beauharnois Station. On October 4th, the technical sessions began, at the Centre des

Congrès Tremblant, with a talk by Dr. Bathurst, followed by several sessions of presentations from the delegates (see attached Program for themes). This day also included keynote lectures from Dr. Arenson and Dr. Küpper. October 5th started with an invited talk from Dr. Grozic and was followed by several sessions of presentations from the delegates. The final keynote talk was given by Dr. Rancourt. Lunch on that day was taken on top of Mont-Tremblant at Le Grand Manitou, so delegates could enjoy the colorful scenery of the area in autumn. The conference ended on October 6th with all delegates going back to Montreal by bus or going home by their own means.

Financial Overview: The conference produced a net surplus of \$5,086.24. This financial success of the Conference is due to several factors, including generous contributions from sponsors (seven companies accepted to act as Gold Sponsors, \$1,000, and four as Silver Sponsors, \$500, for a total of \$ 9,000 in sponsorship) and large number of delegates (30 delegates for the 4th cYGEGC compared to 19 for the 3rd cYGEGC, held in 2010 in Waterton Park, Alberta). Overall, the financial aspect of the conference went smoothly and no problems were encountered.

Conference Closure: Cheques for the \$5,000 seed money and the \$5,086.24 profit were sent to the CGS on March 19th 2014. The profit was deposited in the Education Committee Restricted Fund (according to V. Sowa's email sent on April 2nd 2014).

A conference report was sent to the CGS executive on April 1, 2014. Along with the conference report was attached:

- Event and Budget Report;
- Audit letters from Dave Gauthier and Kent Bannister;
- Abstract Template (French and English);
- Registration Form (French and English);
- A list of Organizing Committee members;
- Signed MOU;
- Conference Program.

A CD Proceeding was also sent to Victor Sowa in December 2013.

In summary, the 2013 cYGEGC was a successful event. The pertinent information regarding the conference organization and the key aspects contributing to the success have been summarized in the Conference Report. In addition, recommendations have also been provided for future cYGEGC committees to consider during the planning on this conference. (as per information provided by Ariane Locat, 4th cYGEGC Chair).

3. 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.

2013 Scholarship: This was the best year yet for quality and quantity of applicants, with 11 applications, eight of them were PhD candidates. The winner of the 2013 competition was Bryan Tatone, a PhD candidate at the University of Toronto. Bryan is an outstanding student with several journal publications from his research, industry experience, and is involved in CGS in the Southern Ontario section. Bryan also has held leadership positions in student groups at both the University of Waterloo and the University of Toronto. Bryan was presented with the scholarship at the GeoMontreal conference.

The Selection Committee was Mamadou Fall (University of Ottawa), Catherine Mulligan (Concordia), Rodney McAfee (AMEC New Brunswick), and Paul Simms (Carleton - Chair).

2014 Scholarship: The deadline for nominations for the 2014 competition is again May 1st. CGS issued a call for nominations in March 2014

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

4. GEOparody

Following the successful GEOparody event sponsored by Golder Associates at the Pan-Am Conference in

2011, two following events were held in GeoManitoba and GeoMontreal. The committee tried to work with the sponsor to continue this event for the conference in Regina. Golder has responded to continue sponsoring such a session for the GeoRegina Conference. The detailed plan of the event needs to be finalized during the conference planning stage.

5. Webpage

The committee sent an email to the CGS president on April 26, 2014 to request a webpage on the CGS national website. The intention of this webpage is to facilitate information circulation and promote this subcommittee.

6. Financial Status

The current balance for the CGS Education Committee (total after the deposit from the young engineers group) is C\$18,622.24.

(As per information provided by Dharma Wijewickreme, VP Finance, CGS)

Heritage Committee - Mustapha Zergoun, Chair Report of Activities - July 1, 2013 to June 30, 2014

Introduction

The Heritage Committee manages archival and heritage material on behalf of the Canadian Geotechnical Society. Because the Society has no permanent office of its own, in 2004 the Board of Directors instructed the committee to manage a collection of 'virtual' archives on the CGS website at: <http://www.cgs.ca/cgsdocuments/Heritage%20Archives>. Information about the Committee itself can be found at: <http://www.cgs.ca/cgssociety/Boards%20and%20Committees/Committees/heritage-committee>. The Committee scans and uploads material of historical interest. It provides lists of where Archival Material can be accessed, for example in national and provincial archives, and in university libraries.

Executive Committee

The 2013-2014 Heritage Committee consists of the following members:

Chair: Mustapha Zergoun (three year term will end December 2014)
Vice-Chair: Suzanne Powell
Past-Chair: Jim Graham
Members: Shahid Azam, Richard Bathurst, Dave Cruden, Heinrich Heinz, Richard Jackson, Angela Kupper, Suzanne Lacasse, Serge Leroueil, Jacques Locat, Andrea Lougheed, Fred Matich, Ian Moore, Abouzar Sadrekarimi, Mahdi Taiebat

Affiliations with Other Organizations

Engineering Institute of Canada - Heritage and Archives Committee,

Membership Information

None (Committees do not register individual members.)

List of Activities

Active members of the Heritage Committee are encouraged to complete one project each year. However, it is understood that some projects may require several years to complete. The following is a list of projects completed or currently in-progress:

- a) Jim Graham updated the "Lives Lived" section of the CGS Heritage web page.
- b) Suzanne Powell will add the list of Legget Medal recipients to the CGS Heritage web page.
- c) Suzanne Powell volunteered to become the Chair of the Heritage Committee starting in 2015.
- d) Mustapha Zergoun provided an article on the history of the Vancouver local section, which was published in Geotechnical News. This article will be added to the CGS Heritage web page.
- e) Heinrich Heinz provided an article on the history of the Calgary local section, which was published in Geotechnical News. This article will be added to the CGS Heritage web page.

- f) Dave 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 will enquire with the publishers about the possibility of adding some of the images from the book to the CGS Heritage web page.
- g) Fred Matich will provide information regarding the early works on oil sands development.
- h) Ian Moore will provide the first edition of the *Canadian Geotechnical Journal*, which will be added to the CGS Heritage web page.
- i) Mahdi Taiebat will enquire about short articles of historical nature on geomechanics and numerical analysis in Canada.
- j) Jacques Locat will enquire about photographs and documents regarding the flow slide at St Jean-Vianney, Quebec, in the 1970s.
- k) Suzanne Lacasse will provide links on the CGS website for Canadian projects that are part of the Norwegian Geotechnical Institute digital database.

Technical Committee on Landslides - Michael Porter, Chair
Report of Activities – July 1, 2013 to June 30, 2014

Executive Committee

The 2014 members of the Technical Committee on Landslides are:

<i>Chair:</i>	Michael Porter (BGC Engineering Inc.)
<i>Vice-Chair:</i>	Scott McDougall (BGC Engineering Inc.)
<i>Past-Chair:</i>	Corey Froese (Alberta Geological Survey)
<i>Members:</i>	Erik Eberhardt (University of British Columbia)
	Oldrich Hungr (University of British Columbia)
	Serge Leroueil (Université Laval)
	Réjean Couture (Geological Survey of Canada, NRCAN)
	Doug VanDine (VanDine Geological Engineering Ltd.)
	Dave Gauthier (Queens University)

Activities

CGS Website

Information about the CGS Landslide Committee has been added to the CGS website.
http://www.cgs.ca/landslides_committee.php

Canadian Technical Guidelines on Landslides

Members of the CGS Landslide Committee are supporting the Geological Survey of Canada’s initiative by authoring, reviewing and editing guideline chapters. Links to guideline chapters (published by the GSC as open files for comment) are available on the CGS Landslide Committee website.

2014 Schuster Medal

For the 6th time, the CGS and Association of Engineering Geologists (AEG) will be awarding the Schuster Medal. The Schuster Medal is a joint award from the Association of Environmental & Engineering Geologists and the Canadian Geotechnical Society that recognizes excellence in geohazards research in North America. All nominees for the Schuster Medal must meet at least two of the following criteria:

1. Professional excellence in geohazards research with relevance to North America
2. Significant contribution to public education regarding geohazards
3. International recognition for a professional career in geohazards
4. Influential geohazards research or development of methods or techniques
5. Teacher of students who work on geohazards issues

Mr. Porter (Chair of the CGS Landslide Committee) and Dr. Stead (Chair of the CGS Engineering Geology Division) drafted internal Schuster Medal award nomination guidelines which were only loosely defined in prior years. They also collaborated with AEG members of the award committee to select the 2014 medal winner. The 2014 Schuster Medal will be awarded to Keith Turner.

2014 GeoHazards 6 Conference

The 6th Canadian GeoHazards Conference, GeoHazards 6, was held June 15-18, 2014 at Queen's University in Kingston, Ontario, Canada. The GeoHazards conferences are the premiere forums in Canada for the sharing and dissemination of scientific and engineering knowledge related to geohazards. CGS Landslide Committee members supported the conference by encouraging abstract submission from members of the landslide community, by reviewing abstracts and papers, and by participating in a risk communication workshop held at the end of the conference.

67th Canadian Geotechnical Conference

The 67th Canadian Geotechnical Conference, GeoRegina 2014, will be held at the Delta Regina Hotel, Regina, Saskatchewan, Canada from Sunday, September 28 to Wednesday, October 1, 2014. The theme for GeoRegina 2014, "*Engineering for the Extremes*" will highlight current trends in geotechnical engineering by addressing increasingly complex problems under more extreme operating conditions. The organizers intend to bring a focus to local challenges, such as climate, expansive clays, and permafrost, in the face of unprecedented economic and population growth. The technical program will offer opportunities for delegates to explore various examples ranging from environment damage to rehabilitation of failing infrastructure.

CGS Landslide Committee members supported the conference by encouraging abstract submission from members of the landslide community, by reviewing abstracts and papers, and by working with the conference organizers and the CGS Engineering Geology Division to arrange joint landslide/engineering geology sessions.

Transportation Geotechnique Committee - Roger Skirrow, Chair ***Report of Activities – July 1, 2013 to June 30, 2014***

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

Executive Committee

The 2013-2014 *Executive Committee of the TGC consists of the following members:*

Chair: Roger Skirrow

Vice-Chair: Mario Ruel

Secretary: Don Lewycky

Past-Chair: Tim Keegan

Members: Roger Skirrow, Heidi Evensen, Tim Keegan, Chris Bunce, Baolin Wang, Marolo Alfaro, Tony Ng, Guy Doré, Anne Poschmann, Neil Kjelland, Priscilla Desgagnes, Tae Kim, Kim Johnston, Jorge Antunes, Serge Bourque, Mario Ruel, Mark Pritchard, Carol McQuarrie, Mustapha Zergoun, Tom Edwards, Pete Quinn, Rod Ramage, Wim van Gassen, Keith Kosar, Dave Cruden, Jean Hutchinson, Paul Lach, Don Lewycky, Simon Cullum-Kenyon, Victor Cui, Jacques Locat, Sean Mac Eoin, Don Proudfoot, Dan Colwell, Melissa Ruel

Affiliations with Other Organizations

Representatives on the TGC include regional representatives, geotechnical practitioners, government representatives and University researchers across the transportation community.

Members of the TGC are active within the Railway Ground Hazard Research and Development Program (RGHRP) Committee. Members of TGC are involved with drafting chapters of a RGHRP document entitled Guidelines for Geohazard Risk Assessment along Canadian Railways, and the TGC Chair is the Managing Editor of this document. TGC members are active on the CGS Landslide Committee, Professional Practice Committee and Soil Mechanics and Foundation Divisions. Several TGC members are also members of the Transportation Association of Canada, Soils and Materials Standing Committee. These members are pushing to have awareness and appreciations of geotechnique issues elevated within the broader transportation community. Members are also represented on the Technical Board of the Integrated Road Research Facility (IRRF) in Edmonton. The IRRF has constructed an instrumented road using tire derived aggregate.

List of Activities

GeoHazards 6, Kingston – One technical session was been allocated for Transportation Geotechnique. Several case histories were presented at this conference.

CGS 2014 Conference, Regina – There is one technical session for Transportation Geotechnique. TGC members have reviewed and submitted papers to the conference.

The Railway Ground Hazard Program Technical Committee, chaired by Tom Edwards, continues to offer full support in the form of abstracts and collaborative initiatives. Technical guidelines dealing with geohazard management along rail corridors are being developed. These guidelines may be modified as appropriate to form the basis for a set of guidelines for management of geohazards related to highway corridors.

The TGC webpage has been developed and submitted for uploading to the CGS website. This is expected to be complete by the end of June, 2014.

The future activities and initiatives of the committee will be discussed in September at the CGS Conference.

Financial Status

The committee has no operating budget of its own.

Professional Practice Committee - Kent Bannister, Chair Report of Activities – July 1, 2013 to June 30, 2014

Introduction

The Professional Practice Committee (PPC) has been relatively inactive since the last report. We had originally been scheduled to host a specialty session at the annual conference in Montreal however due to the number of papers presented the session was removed from the final program. We have recently welcomed a new member to the PPC (Pierre Boulanger from Quebec) and are still looking for a new committee chair. In the meantime I have agreed to extend my term by one year to ensure that the committee remains active.

We presently have two sessions slated for the upcoming CGS conference in Regina. A speaker has been selected for the first session (Neil Abbot from Gowling Lafleur Henderson LLP) and has agreed to present a session on ethical challenges faced by engineers. Several options are under consideration for the other session (leaning toward another case studies session if we can find presenters).

Executive Committee

The 2013-2014 Executive of the Professional Practice Committee consists of the following members:

Chair: Kent Bannister
Past Chair: Yves Cormier
Members: Roger Skirrow James Blatz Rodney McAfee
Bob Patrick Pierre Boulanger

List of Activities

The PPC has set several objectives for 2013/14 the status of each is provided below:

Objectives	Status
1. Continue the delivery of specialty sessions during the Canadian Geotechnical Conference (CGC);	Two Sessions Planned for Regina
2. Updating PPC information on the new CGS website;	Information is up to date.
3. Expand membership to include representation from across the country	We are still seeking new members for the committee.
4. Publication of an article in Geotechnical News in 2014.	This is under consideration.
5. Seeking a replacement for the current chair.	On-going.

The executive has met regularly since our last report, activities are summarized below:

Date	Activity / Event
September 2013	Meeting at the CGS Conference
November 2013	PPC executive conference call
January 2014	PPC executive conference call
March 2014	PPC executive conference call

Technical Committee on Mining Geotechnique - Michel Aubertin, Chair Report of Activities – July 1, 2013 to June 30, 2014

Introduction

The Technical Committee on Mining Geotechnique was officially created in October 2011.

Executive Committee

The 2013-2014 Executive Committee of the Mining Geotechnique Committee consists of the following members:

Chair: Michel Aubertin
Vice-Chair: Paul Simms
Members: Bruno Bussière
Murray Grabinsky
Gord McKenna
Dharma Wijewickreme
Ward Wilson

Membership Information

The list of those who have expressed an interest now includes more than 70 members. Those on this list receive information by e-mail, distributed by the Technical Committee.

List of Activities

Members of the Technical Committee (TC) have been promoting the submission of papers and the organization of technical sessions at the annual CGS Conference. This effort had a positive impact for the 2012 (Winnipeg) and 2013 (Montreal) Conferences; in the latter case, more than 40 papers related to mining geotechnique have been included in the proceedings. This effort was pursued again this year. More than 30 abstracts dealing with mining geotechnique have been submitted for the GeoRegina 2014 Conference (www.georegina2014.ca).

Many CGS members have also participated to other technical meetings. These include the World Mining Congress, held in Montreal in August 2013, which had a number of sessions related to mining geotechnique. Another important conference, Tailings and Mine Waste 2013, was held in Banff last November; the CGS was a supporter of this event, and many of its members participated, with keynotes and invited presentations. Also in 2013, Montreal hosted the annual conference of the Canadian Dam Association, with many CGS members in attendance and making presentations.

The Québec Mines 2013 Conference (www.quebecmines.mrn.gouv.qc.ca/) was held last November in Quebec City. This annual event includes technical sessions on different mining topics, from exploration to mine closure. Specific sessions were dedicated to geo-environmental issues, with the active participation of CGS members. One can expect the same for Québec Mines 2014.

The Minefill Symposium held 20-22 May 2014 in Perth, Australia, had a strong showing of CGS members presenting their recent research and development work (www.minefill2014.com). Attendees from over a dozen countries were treated to many technical presentations by Canadian consultants and universities, which in total accounted for almost half of the technical presentations. The Symposium was preceded by a short course attended by over 50 people, and Canadian researchers and consultants were front and center in delivering this short course. As technical innovation in minefill continues to grow in Canada, we can expect to see a similarly strong showing at the next Minefill 2017 to be held in Denver CO.

The Paste and Thickened Tailings Conference is coming back to Canada this year, being held in Vancouver in June 2014. The number of submitted papers is a record for this conference series, which rotates between the Northern hemisphere, Australia, South America, and Africa. CGS members are actively supporting this conference as technical reviewers and in other capacities, while others will be attending.

The Tailings and Mine Waste 2014 organization is also well underway. The Conference will be held on October 5 to 8, 2014, at the Keystone Resort, Keystone, Colorado. As in previous years, the Conference objective is to provide a forum for presenting the state-of-the-art with respect to mill tailings and mine waste, and to discuss current and future issues facing the mining and environmental communities. CGS members are involved with the organisation and will participate on location.

Also following previous successful conferences, the 4th International Oil Sands Tailings Conference (IOSTC 2014) will be held December 7-10, 2014, in Lake Louise, Alberta (www.ostrf.com). CGS members are expected in large number at this event.

Various major research endeavors are being conducted in Canada, helping to fuel the content of conferences such as those mentioned above. These include the recently created Research Institute on Mines and Environment - RIME UQAT-Polytechnique (www.rime-irme.ca). Its research program is being conducted with the active participation of several mining partners to address key issues, including the reclamation of mine sites, the hydrogeotechnical behaviour of tailings impoundments, the design of waste rock piles, and the use of mining wastes to backfill underground openings. Dr. Bruno Bussière and Michel Aubertin are the Scientific Directors of RIME.

A proposal for a new Industrial Research Chair in Oil Sands Tailings Geotechnique was recently presented to NSERC by the Faculty of Engineering at the University of Alberta. This Chair, proposed with the support of COSIA (Canada's Oil Sands Innovation Alliance), with additional support from Alberta

Innovates - Energy and Environment Solutions, is based on the leadership work of Dr. G. Ward Wilson, who is optimistic and looking forward to positive news.

Additional Points

A discussion was held during the Technical Committee meeting (at GeoMontreal 2013) on means to increase its visibility and outputs. One way to do so is to promote publication of papers at the annual CGS Conference and in the Canadian Geotechnical Journal. One of the key issues in this regard is to obtain permission to publish results involving mining companies and mine sites. Suggestions included asking the mining companies to write the general context of the study, involving co-authors from the company, and presenting the data in an anonymous way (without mentioning the location specifically).

Also, members of the Committee are invited to provide ideas for initiatives and new activities. The possibility of having Webinars and other presentations online was discussed. CGS members are also invited to write articles for the Waste Geotechnique column in Geotechnical News.

Upcoming changes to executive were also addressed during the meeting. This is the last year for the Chair (M. Aubertin). Paul Simms (now Vice-Chair) has been identified to take over the position of Chair. New members could also join the Executive this year.

A few CGS members are participating to a project submitted to the NSERC CREATE program (on training of HQP in mining). This project, initiated at the University of Waterloo, involves many Canadian universities and it has received the support of various organizations including CGS.

Discussions are being pursued to establish closer ties with other organizations that are active in the field of mining geotechnique. In this regard, a specific link has been created with the Canadian Dam Association (CDA), in collaboration with Andy Small; it involves the review of the recent update on the Mining Dams Guidelines.

Financial Status

Not applicable

Geotechnical Research Board - Murray Grabinsky, Chair
Report of Activities – July 1, 2013 to June 30, 2014

Introduction

2013 - 2014 is a year of transition for the Geotechnical Research Board (GRB). A new Chair has been established mid-term and there is a strong succession plan for committee membership in the coming few years. A strong competition for the 2015 Geotechnical Colloquium was successfully executed and some lessons learned from this have resulted in minor changes to the eligibility wording for the competition. Plans are underway to hold a GRB-sponsored event at the 2014 Geotechnical Conference in Regina.

Committee Membership

Jean Côté served as Interim Chair from January - December 2013 and Murray Grabinsky took over as Chair effective January, 2014. Committee membership by year is tabulated below and it is noted that 3 members are in their second three year terms and 5 are in their first. The GRB is to consist of between 4 to 15 members, therefore there is strong membership moving forward and no dire need to add further members in the coming year (qualified and interested potential members are always considered!).

Name	2010	2011	2012	2013	2014	2015	2016
Dieter Stolle	Chair	Past Chair	Past Chair				
James Blatz		Chair	Chair	Past Chair			
Myint Win Bo							
Bruno Bussière							
Jean Côté				Chair	Past Chair	Past Chair	Past Chair
Mamadou Fall							
Ian Fleming							
Murray Grabinsky					Chair	Chair	Chair
Jocelyn Grozic							
Kevin Jones							
Catherine Mulligan				CGS Exec	CGS Exec		
Marc Smith							
Arun Valsangkar							
Dharma Wijewickreme				CGS Exec	CGS Exec		
Tai Wong							

 First 3-year term  Second 3-year term

List of Activities

2013 Meeting

The GRB met during the 2013 Canadian Geotechnical Conference in Montreal, chaired by Jean Côté and attended by Murray Grabinsky, Jocelyn Grozic, Mamadou Fall and Catherine Mulligan. Plans for the 2015 Geotechnical Colloquium competition were reviewed. Considerable discussion focused on the GRB's role in promoting activities that foster research in geotechnical engineering and linkages between researchers and funding agency and industry; in this regard, suggestions were made for a specialty session at the 2014 Canadian Geotechnical Conference.

2015 Colloquium Selection

Three strong candidates were nominated for the 2015 Colloquium. The selection committee was presided by the GRB Chair and composed of the Division Chairs and the Editor of the Canadian Geotechnical Journal per the CGS Awards and Honors Manual (updated April 17, 2012). The selection of the 2015 Colloquium speaker, to remain confidential, was finalized and approved on May 6, 2014. An announcement will be made at the upcoming conference in Regina.

Suggested Changes to Colloquium Eligibility

Following the 2015 selection process it was noted that the language in the Awards and Honors Manual contained two potential ambiguities regarding eligibility, and so the following amendment was proposed:

Candidates who are unsuccessful in their first competition will automatically be kept on file for a further three competitions and will have the opportunity to update their applications in subsequent years. If a candidate is unsuccessful for four consecutive competitions their file must be updated with new nominators and supporting letters. In all cases, the candidate must meet all eligibility requirements (and in particular, the age limit) in each competition year.

This was presented to the Board at the May meeting and was approved.

Ongoing Activity

As suggested at the 2013 Geotechnical Conference meeting of the GRB, planning will begin for a specialty session at the 2014 Canadian Geotechnical Conference that will focus on fostering research in geotechnical engineering and creating linkages between researchers and funding agencies and industry.

The GRB will continue to focus on supporting the CGS membership, both academic and practicing, in engaging in research activities. The GRB will also be taking a role in the active promotion and advocacy of the CGS members to advisory boards and policy-making committees.

Canadian Geotechnical Journal - Ian D. Moore and Daichao Sheng, Editors Report of Activities – July 1, 2013 to June 30, 2014

During 2013, a total of 474 manuscripts were received (480 were received in 2012), with 116 published (94 articles; 10 notes; 5 discussions with 4 replies, 2 book reviews, 1 Corrigendum and 1 Erratum). Acceptance rate was 27% (it was 25% in 2012). The Thomson Reuters' impact factor (an imperfect measure of journal quality, though one widely used) increased from 0.811 to 1.206. The 5-year impact factor is now 1.512 (up from 1.119). The Elsevier's 2013 SJR (SCImago Journal Rank, a measure of influence and prestige) ranked CGJ the 6th among 268 geotechnical and geological journals (behind *Geotechnique*, *Geotextiles and Geomembranes*, the *Journal of Geotechnical and Geoenvironmental Engineering*, *Geosynthetics International*, and *Earthquake Engineering and Structural Dynamics*, but ahead of many other highly regarded journals). Of course, these values will vary from year to year, but it is nice to celebrate this success.

On January 1st 2014, Dr Daichao Sheng was appointed as the second editor of the journal. The number of manuscripts submitted to the journal has increased substantially in recent years, and it has been very beneficial to have workload distributed between two editors instead of just one. This will allow us to improve processing speed and bring new energy and ideas. The appointment of the second editor from outside of Canada reflects the truly international nature and stature of the publication.

Dr. Sheng is Head of Discipline of Civil, Surveying & Environmental Engineering in the School of Engineering and Co-Director of the Priority Research Centre for Geotechnical and Materials Modelling at the University of Newcastle, Australia, with expertise in unsaturated soil mechanics, computational Geomechanics, and cold region geotechnics. Dr. Sheng also holds a Distinguished Professorship at Central South University in China. He is a world leader in research on unsaturated soil mechanics, and has received many awards for his publications. Dr. Sheng was an Associate Editor of the *Canadian Geotechnical Journal* from 2008 to 2013 and also serves on the editorial boards of *Computers and*

Geotechnics, Environmental Geotechnics, Geotechnical Research, and Mathematical Problems in Engineering.

As usual, there has been some turnover on the Editorial Board and the current Associate Editors are David Airey, Lis Bowman, Jean Côte, Jin Chun Chai, Yu-Jun Cui, Hesham El Naggar, Kevin Gavin, Rajah Gnanendran, Peijun Gou, Susan Gourvenec, Jocelyn Grozic, Bipul Hawlader, Buddhima Indraratna, Craig Lake, Richard Merrifield, Hani Mitri, John Molson, David Muir Wood, Charles Ng, Scott Olson, 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, Richard Wan, Dharma Wijewickreme, Ming Xu, and Jian-Hua Yin (18 Canadians and 19 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 Murray Grabinsky, Chris Haberfield, and Jayantha Kodikara who have completed their terms.

At the time of writing this report the number of submissions is somewhat above those received in 2013 (308 by July 30 so 530 submissions are projected for the year, a 12% increase relative to 2013). We now have a significant backlog of manuscripts waiting to be published, partly because decisions are being made more rapidly and partly because submission quality has improved. While the manuscripts accepted for publication are immediately available for download using the “Just-In” feature that Canadian Science Publishing now offers, the size of the backlog does need to be controlled. We may, therefore, increase the rejection rate for manuscripts that have worthwhile content that could be published after major revisions – this will be subject to further modest adjustment depending on the page allocations and other considerations. We continue to emphasize contributions with implications for practice rather than those of purely scholarly value.

We have continued our ‘Editor’s Choice’ initiative with 12 articles chosen during the course of the year that were highlighted on the website and made available for free download. This is not a substitute for the Quigley Award. Instead, it is designed to increase website visibility and highlight selected manuscripts on a monthly basis.

Each year we use this report to acknowledge the very important and essential contributions from peer reviewers. Over the past fifty one years, there have been many thousands of such reviews, and the Editorial Office greatly appreciates their work.

In closing, we would like to thank the staff at Canadian Science Publishing for their excellent support, in particular the editorial assistants Donna Hartson and Nicole Huskins, and the Managing Editor, Jenny Stewart.

CGS News - Don Lewycky, Editor
Report of Activities – July 1, 2013 to June 30, 2014

I am now halfway through my tenure as the editor of CGS News portion of *Geotechnical News*. *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).

Over the last year, Dr. Mustapha Zergoun, Chair of the Heritage Committee and I have been able to initiate a series of articles to document the history of the Society’s local chapters. We have now published three histories, Vancouver in September 2013, Edmonton in March 2014 and Calgary in June 2014. The challenge will now be to entice some additional submissions from the local chapters located east of the Alberta/Saskatchewan border. As part of this series of articles, I have also attempted to bring more visual content to the CGS News, by including more photographs of the activities and people in the news.

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, but I am starting to get some participation from the various Divisions and Chairs of the CGS.

I greatly appreciate the support that I have received from the CGS Executive and the Board. In particular, I would like to thank Richard Bathurst and Victor Sowa for their timely contributions to the columns so far. I 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*.



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