



**THE CANADIAN
GEOTECHNICAL SOCIETY**

**LA SOCIÉTÉ CANADIENNE
DE GÉOTECHNIQUE**

2020

Annual Report / Rapport annuel

**(July 1, 2019 to June 30, 2020, with
some more recent information)**

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CANADIAN GEOTECHNICAL SOCIETY - AWARDS AND HONOURS 2020

- R.F. Legget Medal** Wayne Clifton, Clifton Associates
- R.M. Quigley Award** Mohammed Faizal, Abdelmalek Bouazza, John McCartney, Chris Haberfield, "Axial and radial thermal responses of energy pile under six storey residential building.", Canadian Geotechnical Journal, 2019, 56(7): 1019-1033.
- Honourable Mentions** Gholamreza Mesri, Marawan Shahien, Thierno Kane, "Seismically induced settlement of ground experiencing undrained shaking and laterally constrained compression", Canadian Geotechnical Journal, 2019, Vol. 56, No. 2: pp. 155-172.
- Lisa N. Wheeler, W. Andy Take, Neil A. Hoult, Hoat Le, "Use of fiber optic sensing to measure distributed rail strains and determine rail seat forces under a moving train", Canadian Geotechnical Journal, 2019, Vol. 56, No. 1 : pp. 1-13.
- Richard J. Bathurst, Peiyuan Lin, Tony Allen, "Reliability-based design of internal limit states for mechanically stabilized earth walls using geosynthetic reinforcement", Canadian Geotechnical Journal, 2019, 56(6): 774-788.
- Fredlund Award** Sam A. Stanier, Justin Blaber, W. Andy Take, David White, "Improved image-based deformation measurement for geotechnical applications", Canadian Geotechnical Journal, 2016, 53(5), pp. 727-739.
- G. Geoffrey Meyerhof Award** Gordon Fenton, Dalhousie University
Thomas Roy Award David F. Wood, David F. Wood Consulting Ltd.
Geosynthetics Award Colin Alston, Alston Geotechnical Consultants Inc.
Geoenvironmental Award Craig Lake, Dalhousie University
Roger J.E. Brown Award Antoni Lewkowicz, University of Ottawa
Robert N. Farvolden Award Dave Rudolph, University of Waterloo
(Joint award with IAH-CNC)
Robert Schuster Medal Jerome V. (Jerry) DeGraff, California State University – Fresno
(Joint award with AEG)
- Early Achievement Award** Andrea Lougheed, BGC Engineering
- A.G. Stermac Awards** Bipul Hawlader, Memorial University of Newfoundland
 Ashutosh Dhar, Memorial University of Newfoundland
 Sterling Parsons, Stantec
 Bruno Bussière, IRME UQAT-Polytechnique
- CGS R.M. Hardy Keynote Address** Dennis Becker, Golder
Canadian Geotechnical Colloquium Ariane Locat, Université Laval
Cross Canada Lecture Tours Spring and Fall 2020 postponed
- Graduate Student Presentation Award**
1st Prize James Bartz, "Load Testing of Piles Subject to Negative Skin Friction", University of Manitoba, James Blatz

2nd Prize Yagmur Babaoglu, “Speeding the reclamation of oil sands tailings impoundments and restoration of the Boreal forest: How quickly will different treatments consolidate the tailings?”, Carleton University, Paul Simms

Undergraduate Student Report (Individual)

1st Prize Beverly Yang, “Questioning the use of RQD in rock engineering and its implications for rock engineering design”, University of Waterloo / University of British Columbia, Davide Elmo

2nd Prize Ethan Alban, “Mapping the Road to Using Carbon Mineralized Ultramafic Mine Tailings as Dam Fill: A Microstructural Geotechnical Study”, University of British Columbia, Greg Dipple and Scott McDougall

Undergraduate Student Report (Group)

1st Prize Caitlin Fischer, Mark McDonald, Emily Miszk, “Intermontane Mining Ltd. Open Pit Mine Wall Pushback Design Project”, Queen’s University, Mark Diederichs

2nd Prize Ethan Alban, Lucas Fabbri, Erica Forkheim, Maddy Hughes, “Pre-Feasibility Gucci Open Pit Design”, University of British Columbia, Erik Eberhardt

Canadian Foundation for Geotechnique Michael Bozozuk National Graduate Scholarship

Akhila Palat, University of Alberta

Dennis Becker Canadian Foundation for Geotechnique M.Sc. Student Award

Elyse Sandl, University of British Columbia

AWARDS FROM ENGINEERING INSTITUTE OF CANADA (EIC)

Julian C. Smith Medal

John B. Stirling Medal

James Graham, Professor Emeritus, University of Manitoba

Doug VanDine, VanDine Geological Engineering

Fellowship of the Institute (FEIC)

Fellowship of the Institute (FEIC)

Harry Oussoren, Insitu Contractors Inc.

Garry Stevenson, Klohn Crippen Berger (retired)

LA SOCIÉTÉ CANADIENNE DE GÉOTECHNIQUE – PRIX ET DISTINCTIONS 2020

Médaille R.F. Legget Wayne Clifton, Clifton Associates

Prix R.M. Quigley Mohammed Faizal, Abdelmalek Bouazza, John McCartney, Chris Haberfield, “Axial and radial thermal responses of energy pile under six storey residential building.”, Canadian Geotechnical Journal, 2019, 56(7): 1019-1033.

Mentions honorables Gholamreza Mesri, Marawan Shahien, Thierno Kane, “Seismically induced settlement of ground experiencing undrained shaking and laterally constrained compression”, Canadian Geotechnical Journal, 2019, Vol. 56, No. 2: pp. 155-172.

Lisa N. Wheeler, W. Andy Take, Neil A. Hoult, Hoat Le, “Use of fiber optic sensing to measure distributed rail strains and determine rail seat forces under a moving train”, Canadian Geotechnical Journal, 2019, Vol. 56, No. 1 : pp. 1-13.

Richard J. Bathurst, Peiyuan Lin, Tony Allen, “Reliability-based design of internal limit states for mechanically stabilized earth walls using geosynthetic reinforcement”, Canadian Geotechnical Journal, 2019, 56(6): 774-788.

Prix Fredlund Sam A. Stanier, Justin Blaber, W. Andy Take, David White, “Improved image-based deformation measurement for geotechnical applications”, Canadian Geotechnical Journal, 2016, 53(5), pp. 727-739.

Prix G. Geoffrey Meyerhof Gordon Fenton, Dalhousie University
Prix Thomas Roy David F. Wood, David F. Wood Consulting Ltd.
Prix Geosynthetics Colin Alston, Alston Geotechnical Consultants Inc.
Prix Geoenvironmental Craig Lake, Dalhousie University
Prix Roger J.E. Brown Antoni Lewkowicz, University of Ottawa
Prix Robert N. Farvolden Dave Rudolph, University of Waterloo
(Prix conjoint avec AIH-SNC)
Médaille Robert Schuster Jerome V. (Jerry) DeGraff, California State University – Fresno
(Prix conjoint avec AEG)

Prix d'excellence en début de carrière Andrea Lougheed, BGC Engineering

Prix A.G. Stermac Bipul Hawlader, Memorial University of Newfoundland
Ashutosh Dhar, Memorial University of Newfoundland
Sterling Parsons, Stantec
Bruno Bussière, IRME UQAT-Polytechnique

Allocution R.M. Hardy Dennis Becker, Golder
Colloquium canadien de géotechnique Ariane Locat, Université Laval
Tournée de conférences pancanadiennes printemps et l'automne 2020 reporté

Prix de la présentation des étudiants aux cycles supérieurs

1^{er} prix James Bartz, “Load Testing of Piles Subject to Negative Skin Friction”, University of Manitoba, James Blatz

2^e prix Yagmur Babaoglu, “Speeding the reclamation of oil sands tailings impoundments and restoration of the Boreal forest: How quickly will different treatments consolidate the tailings?”, Carleton University, Paul Simms

Prix du rapport des étudiants du premier cycle (individuel)

1^{er} prix Beverly Yang, “Questioning the use of RQD in rock engineering and its implications for rock engineering design”, University of Waterloo / University of British Columbia, Davide Elmo

2^e prix Ethan Alban, “Mapping the Road to Using Carbon Mineralized Ultramafic Mine Tailings as Dam Fill: A Microstructural Geotechnical Study”, University of British Columbia, Greg Dipple and Scott McDougall

Prix du rapport des étudiants du premier cycle (groupe)

1^{er} prix Caitlin Fischer, Mark McDonald, Emily Miskz, “Intermontane Mining Ltd. Open Pit Mine Wall Pushback Design Project”, Queen’s University, Mark Diederichs

2^e prix Ethan Alban, Lucas Fabbri, Erica Forkheim, Maddy Hughes, “Pre-Feasibility Gucci Open Pit Design”, University of British Columbia, Erik Eberhardt

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

Akhila Palat, University of Alberta

Prix Dennis Becker pour les étudiants à la maîtrise de la Fondation canadienne de géotechnique
Elyse Sandl, University of British Columbia

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

Julian C. Smith Medal

John B. Stirling Medal

Fellow de L'ICI

Fellow de L'ICI

James Graham, Professor Emeritus, University of Manitoba

Doug VanDine, VanDine Geological Engineering

Harry Oussoren, Insitu Contractors Inc.

Garry Stevenson, Klohn Crippen Berger (retired)



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

**2020 BOARD OF DIRECTORS, OTHER POSITIONS AND NATIONAL OFFICE
MEMBRES DU CONSEIL DE DIRECTION ET DU PERSONNEL DU BUREAU NATIONAL, ET PERSONNES
OCCUPANT D'AUTRES POSTES EN 2020**

Terms end December 31 in the year shown, unless otherwise indicated.
Les mandats se terminent le 31 décembre de l'année indiquée.

Executive Committee / Comité exécutif		Engineering Geology	2021
<i>President / Président</i>	2020	<i>Géologie de l'ingénieur</i>	
Mario Ruel, ing.		Stephen D. Butt, P.Eng	
president@cgs.ca		sdbutt@mun.ca	
<i>Vice President Technical</i>	2020	<i>Geoenvironmental</i>	2020
<i>Vice-président technique</i>		<i>Géoenvironnement</i>	
Robert Kenyon, P.Eng.		Magdalena Krol, P.Eng.	
rkenyon@kgsigroup.com		magdalena.krol@lassonde.yorku.ca	
<i>Vice President Financial</i>	2020	<i>Geosynthetics</i>	2020
<i>Vice-président aux finances</i>		<i>Géosynthétiques</i>	
Kent Bannister, P.Eng.		René Laprade, P. Eng.	
kbannister@trekgeotechnical.ca		r.laprade@tencategeo.com	
<i>Vice President Communications & Member Services / Vice-président Communications et services aux membres</i>	2020	<i>Rock Mechanics</i>	2020
Judith Bouchard, ing.		<i>Mécanique des roches</i>	
bouchard.judith@hydro.qc.ca		Mohsen Nicksiar, P.Eng.	
<i>Young Professional Representative</i>	2022	Mohsen.Nicksiar@snclavalin.com	
<i>Représentante des jeunes professionnels</i>		<i>Soil Mechanics and Foundations</i>	2020
Vincent Castonguay		<i>Mécanique des sols et des fondations</i>	
vincent.castonguay.2@ulaval.ca		Dipanjan Basu, P.Eng.	
<i>Technical Division Representative</i>	2020	dipanjan.basu@uwaterloo.ca	
<i>Représentant des divisions techniques</i>		<i>Groundwater</i>	2020
Dave Gauthier, P. Eng.		<i>Eaux souterraines</i>	
DGauthier@bgcengineering.ca		Jasmin Raymond, géo.	
<i>Section Representative</i>	2020	jasmin.raymond@inrs.ca	
<i>Représentant des sections</i>		Section Directors	
Billy Singh, P. Eng.		Directeurs des sections	
bsingh@terraprobe.ca		<i>Vancouver Island Geotechnical Group</i>	2021
Division Chairs		Caroline Silins, P.Eng.	
Présidents des divisions		csilins@thurber.ca	
<i>Cold Regions Geotechnology</i>	2022	<i>Vancouver Geotechnical Society</i>	2020
<i>Géotechnologie des régions froides</i>		Andrea Lougheed, P.Eng.	
Ryley Beddoe		alougheed@bgcengineering.ca	
riley.beddoe@rmc.ca		<i>Prince George Geotechnical Group</i>	2020
		Warren Lemky, P.Eng.	
		warren.lemky@gov.bc.ca	

<i>Interior BC Section</i>	2020	<i>New Brunswick Section</i>	2020
Dwayne Tannant, P.Eng. dwayne.tannant@ubc.ca		Christopher McQueen, P. Eng. Christopher.McQueen@englobecorp.com	
<i>Calgary Geotechnical Society</i>	2020	<i>Nova Scotia Section</i>	2022
Leanne McLaren, P.Eng. lg.mclaren@gmail.com		Ilia Wainshtein, P.Eng. WOOD ilia.wainshtein@woodplc.com	
<i>Geotechnical Society of Edmonton</i>	2020	<i>St. John's Section</i>	2021
Renato Macciotta Pulisci, P.Eng. macciott@ualberta.ca		Andrew Peach, P. Eng. Andrew_Peach@golder.com	
<i>Saskatoon Geotechnical Group</i>	2020	<i>Editor Canadian Geotechnical Journal</i> <i>Le directeur de la rédaction de la Revue canadienne de géotechnique</i>	
David Elwood, P.Eng. david.elwood@usask.ca		Craig Lake, P.Eng. craig.lake@dal.ca	
<i>Regina Geotechnical Group</i>	2022	<i>Editor, CGS News in Canadian Geotechnique 2021</i> <i>Directeur de rédaction des Nouvelles de la SCG dans Géotechnique canadienne</i>	
Kyle Mason, P. Eng. kmason@gkmconsultants.com		Nicholas Beier, P.Eng. nabeier@ualberta.ca	
<i>Manitoba Section</i>	2020	<i>Representative of CSCE on CGS Board June 2020</i> <i>Représentant de la SCGC sur le Conseil de la SCG</i>	
Alena James, P.Eng. ajames30@rrc.ca		Michel Khouday, P.Eng. president@csce.ca ; khouday.michel@gmail.com	
<i>Thunder Bay Section</i>	2020	Chairs of Technical Committees Présidents Comités Techniques	
Wesley Saunders, P. Eng wsaunders@gkmconsultants.com		<i>Education Committee</i>	2022
<i>Sudbury Section</i>	2020	<i>Comité sur l'éducation</i>	
André Bom, P. Eng. Andre_Bom@golder.com		Pooneh Maghoul, P. Eng. Pooneh.Maghoul@umanitoba.ca	
<i>London Section</i>	2019	<i>Geohazards Committee</i>	2022
Andrew Stewart, P. Eng. andrew.stewart@englobecorp.com		<i>Comité sur les géorisques</i>	
<i>Southern Ontario Section</i>	2020	Scott McDougall, P.Eng. smcdouga@eoas.ubc.ca	
Billy Singh, P. Eng. bsingh@terraprobe.ca		<i>Heritage Committee</i>	2020
<i>Kingston Section</i>	2021	<i>Comité sur le patrimoine</i>	
E. Maria Skordaki Efrosyni.Skordaki@rmc.ca		Heinrich K. Heinz, P.Eng. HHeinz@thurber.ca	
<i>Ottawa Geotechnical Group</i>	2021	<i>Mining Geotechnique Committee</i>	2021
Paul Simms, P.Eng. paul_simms@carleton.ca		<i>Comité technique sur la géotechnique minière</i>	
<i>Section régionale Ouest-du-Québec</i>	2022	Thomas Pabst, ing. t.pabst@polymtl.ca	
Mourad Karray Mourad.Karray.Benhassen@USherbrooke.ca			
<i>Section régionale Est-du-Québec</i>	2021		
Ariane Locat, ing. ariane.locat@gci.ulaval.ca			

Professional Practice Committee 2022
Comité sur la pratique professionnelle
Seán Mac Eoin, P. Eng.
sean.maceoin@aecom.com

Sustainable Geotechnics Committee 2021
Comité sur la géotechnique durable
Catherine Mulligan, ing.
catherine.mulligan@concordia.ca

Transportation Geotechnique Committee 2020
Comité sur la géotechnique des transports
Donald Lewycky, P.Eng.
don.lewycky@gmail.com

Membership Committee 2022
Comité des membres
David Wood, P. Eng.
rockdoc.david@gmail.com

Geotechnical Research Board 2022
Conseil de la recherche en géotechnique
Greg Siemens, P.Eng.
Greg.Siemens@rmc.ca

President Elect 2022
Président élu
Ian Moore, P.Eng.
moore@civil.queensu.ca

**CGS National Office /
Bureau national de la SCG**
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Executive Director / Directeur général
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Administrator / Administrateur
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*Director, Communications and Society Operations /
Directrice, Communications et opération de la
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Lisa Reny
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*Coordinator, Communications and Member Services
Coordonnatrice, Communications et services aux
membres*
Emily Fournier
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efournier@cgs.ca

REPRESENTATIVES ON OTHER ORGANIZATIONS / REPRÉSENTANTS AUPRÈS D'AUTRES ORGANISATIONS

Representative to EIC Council
Représentant sur le Conseil de l'ICI
(CGS President /Président de la SCG)
Mario Ruel, P.Eng.
president@cgs.ca

Representative to CFES Council
Représentant sur le Conseil de la FCST
Robert Kenyon, P.Eng.
rkenyon@ksgs.com

Representative to CSCE Board
Représentante sur le Conseil de la SCGC
(CGS President /Président de la SCG)
Mario Ruel, P.Eng.
president@cgs.ca

This is my second President Report to be presented at the Canadian Geotechnical Society (CGS) Annual Board of Directors Meeting, during a Teams virtual meeting on September 11, 2020, (*Note: the traditional in-person BOD meeting could not be held due to the pandemic situation*).

1.0 General Update

Over the past year we have rapidly progressed on all on our initial objectives while responsibly managing the CGS business and always keeping in mind the four pillars of our administration founded on encouraging our young members, welcoming more women in geotechnique and increasing the services to practitioners and francophones. In addition to our aggressive goals we successfully faced the challenges related to two major transitions, i.e starting up our new CGS magazine, Canadian Geotechnique/Géotechnique canadienne, and our working agreement with Karma Link, which also involves managing our new National Office.

But we also accomplished all this while going through the extraordinary challenging times of the current pandemic situation. It is our profession to adapt to unpredictable changing conditions imposed by Mother Nature. So, I am proud with the way we have all responded to these adverse circumstances with innovative ideas and resiliency through our National Office, Divisions, Committees and Sections across Canada. An excellent example of our capacity to adapt is the bold decision taken at the onset of the Covid-19 situation by the Calgary LOC and supported by our CGS Executive Committee to organize the GeoVirtual 2020 Conference. Thanks to the vision and outstanding efforts of co-Chairs Justyna Kos-Fairless and Daniel Bertrand, this smart risk is paying off with what promises to be a successful event which will bring over 400 participants together for the 73rd consecutive year.

Despite the uncertainties, our membership remains strong and the CGS continues to provide increasing level of services to our members. Finances are well managed with a positive balance thanks to relatively steady revenues and controlled expenses.

The CGS is solid and in good financial health. Through this adversity we are becoming even stronger together.

Below is a brief overview of some of the activities since my last report in September 2019; additional details are given in three Vice-Presidents' reports and in the CGS Annual Report.

Our focus was on the new Online CFEM, and new ways of communicating with our youth and all our members with outreach to the wider geotechnical community.

2.0 Technical

CFEM/MCIF – Online Manual

I am glad to report that we are still on track with our most challenging commitment. Thanks to the persistent efforts of the Project Coordinator **Ken Skaffeld**, working with our VP technical **Rob Kenyon**, the Canadian Foundation Engineering Manual (CFEM) is under active production with the first draft being near completion.

Merci, thanks again to the chapter leads and authors for participating at this National undertaking. We are proud of our CFEM and eager to work with the new online version.

Cross Canada Lecture Tours

Rob Kenyon advanced the planning the next four Cross Canada Lecture Tour with the selected speakers until fall 2021 but all CCLT presentations were suspended with the advent of the COVID 19 pandemic.

Colloquium Lecture Series

The 2019-2020 Colloquium Lecture Series has been very successful with over 10 presentations in several cities and online by Kathy Kalenchuk, our CGS Colloquium speaker at GeoSt.John's 2019. The Geotechnical Research Board selected Ariane Locat as the 2020 Colloquium speaker, which will be presented during the GeoVirtual 2020 Conference.

Canadian Geotechnical Journal (CGJ)

The high quality CGJ still continues to be an outstanding publication making us very proud. It is also an excellent technical resource for the CGS members and an efficient mode of communication on geo-scientific developments in Canada and worldwide. The CGS still attracts a high level of interests from the scientific community with over 843 articles submitted last year (19% accepted). Merci to Craig Lake who is about to complete his mandate as Co-Editor, at the end of this year, and to Greg Siemens who will continue as Editor along with Daichao Sheng.

CGS E-News and Canadian Geotechnique

As mentioned in my introduction; 2020 saw the successful transition from Geotechnical News to the CGS magazine Canadian Geotechnique published by Karma-Link (Lisa Reny, Managing Editor), in collaboration with Nicholas Beier (Editor of CGS News) and other members of the Editorial Board. This sharp looking publication is of high quality and interest, thanks our CGS members who are writing articles with rich content. It will be important to keep inviting and motivating CGS members from Divisions, Committees and Sections to share scientific development and r best practices and to give us a sense of what is occurring from coast to coast.

Divisions and Committees

Most Technical Divisions and Committees have remained active over the last year as indicated in the reports submitted by the 17 Divisions and 8 Committees. I'd like to mention the Heritage Committee who has been working with ASCE, on the GeoStrata magazine, the EIC, and also organized special historical sessions at GeoVirtual 2020 and in past conferences

3.0 Financial

Despite the fact that our finances could not escape some negative consequences from the pandemic shutdown, the impact to date is under control and should not be as severe as some anticipated. Expenses were somewhat reduced and overall revenues remained healthy despite a decline from an understandable attrition of membership and sponsorship revenue. This reduction, however, was partly compensated by a welcomed revenue following the CGS participation in the organization of ASCE GeoCongress 2020 last winter.

The VP Finance report, produced by **Kent Bannister**, indicates that the CGS remains in a healthy financial position even the year end projections are below budget. Even with determined efforts it was more difficult to stay on the 2020 initial predictions, especially considering this exceptional period. Thanks to the leadership of our VP Finance Kent Bannister and the executive committee.

4.0 Communication and Member Services

VP **Judith Bouchard** maintained her dynamic pace with a series of creative initiatives to provide better member services in 2020.

Along with **David Wood**, our new Chair of the Membership Committee in 2020, she continued her leadership role to implement suggestions from the Membership Task Force and to enhance member's experience. As a follow up to address membership issues she acted proactively on the conclusions of the brain storming workshop held last fall in GeoSt.John's by Judith, **Maraika DeGroot** and **Andrea Lougheed**. Some of the best ideas were implemented such as, for instance, the Membership automatic Annual Renewal Option to simplify this yearly administrative process for our members.

As a result of several initiatives significant improvement of CGS communication and outreach were achieved 2020; for instance: revamping of Enews; 2020 communication campaign; focus on social media; CGS Website enhancements; successful webinar trials; introduction our new Canadian Geotechnique magazine and finally emails from the President to all participants from local sections across Canada as another mean to reach not only all our CGS members but also the wider geotechnical community,

The CGS continued it's mission to invite our youth and also encourage, support and engage women in the geotechnical field with initiatives like the "Women's Networking Breakfast" at the GeoStJohn's 2019 Conference and also with a special panel session "Women in Geotechnique" during GeoVirtual 2020.

5.0 Sections

As indicated in the report from our Section representative **Billy Singh** most CGS Sections across the country remained active and adapted to Covid, with an average of 5 events for the 2019/2020 period. The CGS promoted webcasting and knowledge-sharing and encouraged extended use of web-casted events. The webcast / webinar sessions had the positive effect of increasing interactions between Sections.

It is interesting to note that there are over 2,625 geoprofessionals who participate in local section events. I want to thank the 161 volunteers leading these local sections, serving all our members and reaching out to our geotechnical community with over 1,600 non-CGS members. The sections represent the CGS all across Canada and has the potential to encourage more participants at the local level to join and become members the CGS National. Merci Billy for your comprehensive report and your leadership with the sections

6.0 Young Professionals

Welcoming our youth is the first of our four pillars guiding our actions. The cYGEGC 2019 was successfully organized by our current Young Professional Rep on the EC, **Vincent Castonguay**, in St-John's with a two day technical program and with an important brain storm session in which several innovative ideas were proposed for future developments within the CGS.

The first Early Achievement Award was presented for the first time in 2019 to **Suzanne Powell**, and this year the award will be revealed during the Geovirtual 2020 Award ceremonies.

Thank you to Vincent for having successfully followed up on the one-year pilot project (initiated by the previous Rep. Maraika DeGroot) to establish newCGS Student Chapters in Canadian universities.

7.0 Relations with Affiliated Organizations

As president of the CGS I am a strong advocate of developing and maintaining collaborative ties with other organizations to reach a wider part of the geotechnical community

In Canada, we have continued to develop closer ties with the CSCE by participating in biannual meetings and joint technical meetings at local levels. Collaboration with CSCE has always been beneficial as we have mutual interests, but this year is special as we have even more in common since **Catherine Mulligan** (CGS member and chair of Sustainable Geotechnique Committee) is now the President of CSCE. The CGS also promoted joint meetings and alliances with several other Canadian organizations such as the Canadian Dam Association, the Canadian Federation of Earth Science, and the Tunneling Association of Canada.

The CGS stays a strong and active participant at the (EIC) Engineering Institute of Canada's meetings and events. The EIC provides some of the most respected engineering awards in Canada. The CGS was very well represented again this year with four recognitions by the EIC : **James Graham** was awarded the Julian C. Smith Medal for his achievement in the development of Canada; **Doug VanDine** was awarded the John B. Stirling Medal for leadership and distinguished service at the national level; and two other members were made Fellows of the Institute: **Harry Oussoren** and **Garry Stevenson**.

US & International; We pursued more ties south of the border. For instance, just before the Covid shut down, we collaborated with ASCE GeoInstitute for the organization of the successful GeoCongress2020 in Minneapolis. We also continued to work with the GeoCoalition and with some of its member organizations such as the DFI (Deep Foundation Institute) and the GBA (GeoProfessional Business Association).

We also maintain connections internationally with, for example, the ISSMGE through our North American VP **Tim Newson** (CGS member) and with the IAEG's VP North America **Jean Hutchinson** (CGS member).

I believe in mutual collaboration and sharing experience as well as leveraging our influence to better promote our profession and be even more relevant in our world.

8.0 Administrative

As mentioned in the introduction, the transition to a new management team with Karma-Link was smooth and successful thanks to the well organized and hard work of the CGS Executive Director **Michel Aubertin** and Director of Communication and Society Operations, **Lisa Reny**. The National Office has moved in a new location last fall, following the contractual agreement.

Ian Moore will take over the affairs of the CGS as he will become President of the Society at the end of this year for the period 2021-2022. The future of the CGS will be in good hands under his leadership.

9.0 Acknowledgements

The CGS strength is due to the extensive volunteering work by our members serving as Section Directors and Chairs, Division Chairs, Committee Chairs and Chair of the Geotechnical Research Board, with their respective executives and participating members.

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

- **Rob Kenyon**, VP Technical
- **Judith Bouchard**, VP Communication & Member Services
- **Kent Bannister**, VP Finance
- **Dave Gauthier**, Division and Committee Representative
- **Billy Singh**, Section Representative
- **Vincent Castonguay**, Young Professionals Representative

Thanks also to our CGS National office: Executive Director, **Michel Aubertin**; Director, Communications and Society Operations, **Lisa Reny**; Coordinator, Communications and Member Services **Emily Fournier**. We appreciate their dedication and guidance.



2020 CGS Annual
Report_President FR.1

Vice-President Technical Annual Report – Rob Kenyon

1.0 General update (with action items from last meeting)

This is my final annual report since taking over the position of VP Technical. At this time I would like to thank our President, fellow members of the EC and well as the BOD for their excellent contributions to the Society and to the upcoming CFEM 2021. Much of my time and energy has been spent on the next edition of CFEM, as well as the regular duties of CCLT, Conference Planning, Committees, Awards, Nominations etc. I must thank Ken Skaffeld for coming on board as Coordinator of CFEM 2021 to assist and drive the next addition of the Foundation Engineering Manual. A special thank you is due the LOC of the Calgary Conference for all their planning and effort in switching to GeoVirtual Calgary 2020.

2.0 Cross Canada Lecture Tours (2020, 2021,2022)

The scheduled speakers for the Cross Canada Lecture tours were organized to be:

Spring 2020	Dr. Ellen Rathje (Texas A&M University)
Fall 2020	Doug Stead (Simon Frazer University)
Spring 2021	Steve Kramer (Washington State)
Fall 2021	Jocelyn Hailey (University of Calgary)

All CCLT presentations were suspended with the advent of the COVID 19 pandemic and remain on hold pending developments with respect to the pandemic.

3.0 CFEM/MCIF – Online Manual

I am very pleased to report that significant progress has been achieved in the development of CFEM 2021 since my 2019 annual report. Regular monthly meetings to track progress and resolve production issues have been held during 2019/2020 with bi-weekly meetings occurring in June and July, 2020. Most importantly, we remain on track and are heading to production and publishing in 2021.

- Overall production of Draft Chapters is 75% complete where 90% is considered a complete first Draft in our hands.
- Nine (9) Draft Chapters out of twenty-three (23) primary chapters are in hand and heading to external review.

- Nine (9) Chapter Leads are reporting more than 50% completed with most of those authors projecting a completion date of September/October, 2020.
- Five (5) Chapter Leads are reporting 50% or less. Each has been contacted directly and we are assured that we will receive all of these chapters by November, 2020.
- A summary table “CFEM Summary Progress August 25, 2020” is attached as Appendix A.
- A Senior Advisory Committee (SAC) is established and has been providing valuable advice and guidance to the Coordinator and Chapter Leads. A list of Senior Advisory Committee members is attached as Appendix B.
- The Senior Advisory Committee has also supplied an extensive list of External Reviewers for each chapter. Each Draft Chapter will be reviewed by two independent external reviewers.
- A small working group (RK/KB,MA, MR, LR) have held discussions with Canadian Science Publishing (CSP) regarding production and marketing of the Manual. Expect a Motion to the annual EC meeting and the annual BOD meeting this September to approve the selection of CSP as the publisher responsible for final production. My thanks to everyone involved with this exercise.
- The intent remains to have a preliminary version of the CFEM 2021 available in late 2021. That date may slip into the first quarter of 2022 depending on final submission dates of a few chapters.
- In the meantime, we do have enough printed copies of CFEM 4, English version only.
- Ken Skaffeld, current CFEM coordinator and Rob Kenyon have volunteered to take on Co-Editorship of the publishing of CFEM 2021 once our current mandate expires this January, 2021.

4.0 Colloquium Lecture Series

The Colloquium Lecture Series is strong and active and has been showcasing young emerging talent within CGS for decades. The 2019 Colloquium speaker at GeoSt.John’s was Dr. Kathy Kalenchuk. The 2020 Colloquium speaker will be Dr. Ariane Locat, as selected by the Geotechnical Research Board.

So far, Dr. Kalenchuk has presented the Colloquium 10 times in person, 2 times on-line, with one additional on-line presentation planned. Presentations so far have included: Ottawa, Edmonton, Calgary, Saskatoon, Victoria, Vancouver (at UBC and local CGS), Quebec City, Halifax, Kelowna. A Winnipeg stop has been indefinitely postponed due to Covid-19 and another date has been set for Sudbury in September.

5.0 Canadian Geotechnical Journal (CGJ)

The CGJ continues to excel with a total of approximately 853 manuscripts having been received in 2019 (888 were received in 2018). The acceptance rate in 2019 was 19% (21% in 2018) based on the numbers published. In terms of the quality of the Journal, the Thomas Reuters’ Impact Factor rose to 2.8 (Ranked 13/39 in Engineering, Geological, and 68/200 in Geosciences, Multidisciplinary). The Elsevier’s 2019 SJR (Scimago Journal Rank), also a measure of influence and prestige, rose from 1.813 to 1.934 (Ranked 10/263 in Geotech Engineering and Engineering Geology).

Thank you to Craig Like, Greg Siemens, and Daichao Sheng. Co-Editors, as well as the Associate Editors and the Paper Reviewers for an outstanding job. The CGJ continues to be an internationally recognized journal and an excellent resource for our members. A special thank you to Craig Lake who retired as Co-Editor at the end of this year.

6.0 CGS E-News and Canadian Geotechnique

Major changes came to the CGS in 2020 in the form of a monthly, on-line E-News letter and in the revamped CGS News, now renamed Canadian Geotechnique. Monthly production of the CGS E-News is under the

direction of Emily Fournier. Canadian Geotechnique has been launched on-line to members under the Editorship of Nicholas Beier (publishing by Karma-Link Lisa (McJunkin) Reny and Emily Fournier). Canadian Geotechnique continues to be published four times per year (March, June, September, December) with mandatory items as per the CGS Manual. Many thanks to all those CGS members who provide article to these efforts.

7.0 Links and Joint Activities

Links and joint activities are generally reported in individual detail as part of Committee and Division Reports. Both Committees and Divisions remain very active with other National and International organizations: A brief summary looks like:

- Cold Regions is affiliated with CPA (Lucas Arenson, President), and CNC-IPA (Ed Hoeve, Exec. Committee), ASCE Cold Regions Division (Heather Brooks), and the IPA (Lukas Arenson, Richard Fortier).
- Engineering Geology is affiliated with the Association of Geohazard Professionals (AGP), the CFES (Nicholas Vlachopoulos), IAEG, and AEG Engineering Geology Division. Jean Hutchinson is VP International for IAEG.
- Groundwater Division maintains a strong relationship with AIH-CNC, organizing joint conferences and awards.
- Geosynthetics is affiliated with IGS NA and with IGS (CGS has a non-voting position on the IGS NA Board).
- Soil Mechanics is affiliated with ISSMGE.
- Rock Mechanics is affiliated with CARMA (Sam Proskin, Past President), ISRM, and ARMA.
- Transportation Committee is affiliated with TAC (Roger Skirrow), the ongoing Rail Ground Hazard Research Project (Numerous), AEG (Mario Ruel), ISSMGE TC 202 Transportation (Mario Ruel), as well as the TRB, GeoRail, and the UK Institute Permanent Way.
- Geohazards Committee collaborates with CGS Geology and Transportation committees, as well as the US AEG (Schuster Medal), and Joint IAEG Commission C 37 Landslides Nomenclature (Scott McDougall, Dave Cruden).
- Heritage is interacting with our Education Committee and with ASCE GeoStrata.
- Education Committee has been working with Young Professionals to establish student chapters across Canada. That effort has been very successful, with 7 excellent student chapters established and 2 additional chapters having applied for 2020/2021.

8.0 Committees

All seven standing committees remain very active this past year. Summary reports are available elsewhere but I continue to be impressed by the level of effort and initiative that I see within each of the committees.

9.0 Conferences

9.1 CGS Annual Conferences

St John's 2019: The GeoSt.John's 2019 conference was very successful technically and financially, A final conference report has been submitted to CGS National.

GeoCalgary 2020: Planning for GeoCalgary 2020 switched to organizing a virtual conference for 2020 (GeoVirtual2020.ca) due to the Covid 19 pandemic. The LOC is to be commended for all of the hard work

and effort to switch from one conference venue to another in such a short time period. A revised MOU has been submitted to both parties for review and signature.

Conference 2021 (SOS – Niagara Falls): A conference MOU has been finalized for what is still planned to be a traditional format conference. The conference organizing committee will update CGS at the GeoVirtual 2020 conference.

Conference 2022: Calgary has requested, and CGS National has agreed, that Calgary will host a traditional conference, GeoCalgary 2022, given that most practical aspects of the 2020 conference were in place including deposits on numerous conference facilities, and giving Calgary an opportunity to showcase its city in a traditional format.

Conference 2023. Saskatoon organizing committee members have agreed to host the CGS Conference in 2023, a delay of one year versus this annual report of last year.

Conference 2024. Montreal has submitted a strong proposal to host the 2024 CGS annual conference.

9.2 Other Conferences

Cold Regions 2019, Quebec City was a very successful specialty conference. A conference report has been submitted by Jean Cote.

ASCE GeoCongress, GI, 2020 (Minnesota) – was very successful with CGS being a co-sponsor. The Canadian contribution consisted of several specialty sessions and a number of papers.

ISSMGE 2021. Planning is well underway with Canada having submitted 33 papers. Many thanks to Andrea Lougheed for organizing our Canadian papers and authors.

GeoHazards 8, Quebec City in 2022 planning is underway with an MOU in place.

RockEng20, a symposium organized at Queen’s University, has been postponed for one year due to Covid 19. A revised MOU between CARMA, Queens, and CGS is in progress.

10. CGS Involvement in ISSMGE Committees

Tim Newson, VP NA will be providing a brief summary on ISSMGE activities in the past year and he will be doing that immediately prior to the CGS BOD meeting. In the meantime, Appendix C of this report lists the CGS members on the numerous technical and other committees of ISSMGE.



Appendix A CFEM
Summary Progress L



Appendix B
CFEMSeniorAdvisory



Appendix C CGS
Membership in ISSMGE



2020 CGS Annual
Report_Vice Presiden

Vice-President Finance Annual Report – Kent Bannister

Introduction

The following is a statement of the CGS finances for the period January 1 to June 30, 2020. Unless stated otherwise, all figures are in thousands (000s) of dollars. Also, please note Quarter 2 Books have not been fully reconciled but are directionally correct for management purposes.

Summary of Revenue and Expenses to July 31, 2019

Revenues to date are \$276.4K compared to \$283.6K for the same period in 2019. Membership revenue is down \$36.4K compared to 2019, publications income is down \$10.9K, and the collection of sponsorship income is ahead of 2019 for this period by \$3.8K. Conference revenue is ahead by \$20K compared to 2019 due to revenue received from the ASCE GeoCongress held in Minneapolis earlier this year (typically we do not realize conference revenues until later in the year). Other revenues of \$18.4K consist largely of reimbursement by the Canadian Foundation for Geotechnique for colloquium tour and awards costs.

Expenses paid in 2019 are \$188.8K, compared to \$212.6K for the same period in 2019. The difference in expenses is largely due to a reduction in a society operation costs due to the elimination of an in-person EC meeting in the spring due to COVID 19 and the fact that, unfortunately the spring CCLT was cancelled.

Full Year 2020 (000s) Budget and Current Forecast

	FY 2019 Audited	2020			
		Budget	To June 30 2020	Forecast	Forecast Variance
Membership Dues	258.1	269.0	214.0	230.0	-39.0
Publications	40.5	30.0	9.7	20.0	-10.0
Conferences	50.0	35.0	20.0	20.0	-15.0
Sponsorships	17.0	24.0	14.3	15.0	-9.0
Other	4.3	4.0	18.4	19.0	+15.0
Total Income	369.9	362.0	276.4	304.0	-58.0
Int'l. Memberships	31.7	30.0	6.0	20.0	-10.0
Conferences/CCLT	3.8	10.0	2.4	5.0	-5.0
Publications	95.4	105.0	64.2	94.0	-11.0
Staff Fees	178.2	161.0	81.0	162.0	+1.0
Society Operations	71.9	65.0	31.5	65.0	0
New Initiatives	9.8	10.0	3.7	6.0	-4.0
Miscellaneous	0	2.0	0	0.0	-2.0
Total Expenses	390.8	383.0	188.8	352.0	-31.0
Profit (Loss)	(20.9)	(21.0)	87.6	(48.0)	-17.0

Notes to Accompany Summary of Revenues and Expenses

Income

- The reduction in income is largely due to lower rate of membership renewals compared with the same period 2019. This is likely a result of slower renewals due to Covid-19 and the uncertainty with respect to the annual conference (prospective authors typically renew early to ensure they can register for the conference at the member rate). It is anticipated that based on the present financial situation for many businesses that membership revenue will not meet budget targets for this year.
- The loss in membership income is partially offset by higher conference, sponsorship and other income which together, narrows the gap between 2020 and 2019 at this point in time.
- GeoVirtual is targeting a balanced budget which means that the only conference revenue for 2020 is projected to be from the ASCE GeoCongress held earlier this year along with some revenue still expected for a Cold Regions Specialty conference held earlier this year.
- CFEM sales are steady but continue to be lower than the same period last year. Karma-Link has adjusted the accounting for CFEM sales which reduces the costs for CGS and improves our overall profit margin on sales of the manuals.
- Corporate Sponsors income was slightly higher than in the same period last year, largely due to Canadian Geotechnique advertising incentives available to CGS corporate sponsors. Sponsorship has not been actively pursued this year based on the present financial climate.
- Other income includes:
 - CFG Income of \$18 K is actually their reimbursement for some 2019 expenses (CCLT, CGS awards and Matt Lato's Colloquium Lecture Tour). This was received in 2020.
 - Interest Income of \$ 0.4 K

Expenses

- CCLT expenses were unfortunately not realized this year due to cancellation.
- Lower society operations and conference costs have more than offset the slight decline in income for the period. This translates into a 23.4% increase in profit. The lower society operations costs are largely associated with reduced expenses due to the cancellation of the in-person spring EC meeting.
- New initiatives spending to date includes Kathy Kalenchuk Colloquium expenses (CFG will reimburse), a Gotowebinar subscription, 50% of Constant Contact subscription (shared with Karma-Link), EIC oral history interview and see money for the Dalhousie University Student Chapter.

Balance Sheet as of June 30, 2020

Assets	Cash (chequing & savings)	410.8
	Restricted Funds	40.0
	Accounts Receivable	23.5
	Loans to CFG	335.0
	Seed Funds / CFEM 2021	60.0
	Fixed Assets	0.2
Total Assets		869.5

Liabilities	Accounts Payable	19.8
	GST / HST Paid & Payable	15.0
	Accrued Liabilities	9.0
	Education Committee - Restricted	
Total Liabilities		43.9

Equity	Retained Earnings	703.1
	Restricted Funds	36.1
	Profit for the Year	86.4
Total Equity		825.6

Total Liabilities & Equity		869.5
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Notes and significant factors impacting the Balance Sheet

- Outstanding Seed Funds:
 - GeoCalgary: \$20 K
 - GeoNiagara: \$20 K
- Loan Investment in CFEM 2021:
 - \$20 K payments to Ken Skaffeld (included with Seed Funds on the Balance Sheet)
- Restricted Funds Breakdown:
 - Geohazards: \$ 10.1 K
 - Cold Regions: \$ 12.8 K
 - Education Committee: \$ 15 K
 - Engineering Geology: \$ 8.8 K



Section 1: General

Date of report: August 24, 2020

Prepared by: Judith Bouchard, VP Communications and Member Services

End of Term: December 2020

Section 2: Membership

JB chaired the Membership Committee (MC) as an interim from January 2019 to January 2020. Since July 2019, the Membership and Data report was finalized. This report presents the two-step strategy put forward by the MC to better understand the state and evolution of CGS membership, and to assess CGS members' expectations and preferences. Based on this data, four primary membership issues were identified including a likely decrease in membership in the coming years (the main revenue sources for the CGS). JB wrote an article for the new magazine in March 2020 summarizing this report in collaboration with Vincent Castonguay. A new chair was chosen in January 2020 for the Membership Committee; David Wood.

JB organized a Design thinking workshops on CGS membership issues in GeoStJohn's in collaboration with Maraika DeGroot and Andrea Lougheed. To brainstorm solutions to address the membership issues identified in the Membership and Data report prepared by the MC, design thinking workshops were undertaken with two groups, the CGS Board of Directors (BOD) and the Young Professionals (YPs) at the Canadian Young Geotechnical Engineering and Geoscientists Conference (cYGEGC). Through the design thinking workshops, close to two hundred ideas were brainstormed, covering vast topics. Ideas produced between the two workshops were different. YPs were interested in big topic discussions such as climate changes and educating high school students whereas the BOD was more focused on fees and membership loyalty. The ideas suggested in both workshops were webinars and mentorship. A report was produced.

A proposal on a CGS Membership Automatic Annual Renewal Option was presented to the BOD in GeoStJohn's and approved. The automatic renewal option has been set up on the website and with the bank. It was functional for the 2020 renewal.

The CGS wants to encourage discussion about how to successfully support and engage women in the geotechnical field. A Women's Networking Breakfast was organized by JB during the GeoStJohn's conference. The event was a success and has brought together 30 women from our geotechnical community.

Section 3: Communication

A new Enews format was prepared in collaboration with Emily Fournier. Constant contact was used. The revamp Enews includes more pictures and some new sections (i.e. Geotechnical News from Around the World, news from the section, CGS members in the news etc.) The first revamped Enews was sent early 2020 and has received good feedback from the members. The statistics from the first months were good, with open rates higher than the industry average.

A communication campaign was initiated in March 2020. The 2019 Membership Committee survey highlighted the fact that the CGS needs to better promote its initiatives. Many suggestions given by members in the survey were initiatives that the CGS is already doing. One other point highlighted by the

survey is that our members want to better understand how the CGS works and operates. The communication campaign aims to better inform our members and non-members of our initiatives and on how the CGS works and were shared in the Enews and on social media. The first post was *Did you know the CGS sends up to 20 students or EIT to the Annual conference?* and the second post was *Did you know the CGS has a Young professional program?* The second post was a video that was prepared in GeoStJohn's in August 2019, featuring the past and current young professional representatives. Posts will continue to be prepared every few months.

The CGS social media pages continue to attract member signups and interest. The CGS always welcomes possible content for posting. The number of CGS posts on social media highly increased during the last year, and the number of followers also increased in that period. The number of LinkedIn followers is now more than 3 times higher than at the beginning of February 2019. Social media is a great way to reach out to a broader audience, to share CGS initiatives and attract new members.

Social Media followers August 2020 vs February 2019 :

LinkedIn: 4,218 vs 1264

Facebook: 994 vs 678

Twitter: 718 vs 270

Instagram: 359 vs 156

Section 4: Website

The CGS website is regularly updated and improved in terms of content and functionality. Google analytics was installed on the website to monitor the web traffic, and adjust our communication strategy with time.

With this new tool, we found out that our clicks on the items of the Enews have tripled with the new revamped Enews. This tool tells us what pages were visited, where we get our web traffic from: 39 % *Direct* (i.e bookmarks) 10% *Referral* (through a link given on a different platform (i.e enews)), 50% *Organic search* (i.e Google), and 1% *Social* : social media. The web traffic from Social media came from: LinkedIn 55%, FB 33%, Twitter 7%, Instagram 5%.

Section 5: Webinars

One of the most frequent comments that were given in the Membership workshop was that CGS members wanted more online resources and webinars. In collaboration with multiple local sections across Canada, the CGS presented a webinar series in May and June 2020. Up to 500 participants registered to the webinars, bringing the Geotechnical community from around the world together in these uncertain times. The feedback from CGS members and local sections was good and many people showed interest in having more of those webinars. The five webinars were :

- May 21 Collaboration with SOS - Lessons Learned as A Trenchless Litigation Expert and Designer by Mark Knight, Associate Professor, Department Civil and Environmental Engineering, University of Waterloo
- May 25 – Collaboration with Southern Alberta (Calgary) Section - Geotechnical Engineering Innovation to Advance CCUS - From Smart Rocks to the Aquistore Project by Richard Chalaturnyk, Professor and NSERC/Energi Simulation Industrial Research Chair in Reservoir Geomechanics at University of Alberta
- June 1 – 2019 CGS Colloquium - Mitigating a fatal flaw in modern geomechanics: understanding uncertainty, applying model calibration, and defying the hubris in numerical modelling by Kathy Kalenchuk, President & Principal Geomechanics Consultant at RockEng.

- June 8– Collaboration with Eastern Quebec (Quebec) Section An Introduction to the Design and Construction of Large Embankment Dams, Marc Smith, WSP Canada Inc.
- June 11 – Collaboration with Eastern Quebec (Quebec) Section - Reconstruction du déversoir voûte de Saint-Alban (presentation was in French) by Patrick Béland and François-Jean Blouin WSP Canada Inc.



2020 CGS Annual
Report_Vice Presiden

Young Professional Representative Summary Report – Vincent Castonguay

Section 1: General

Date of report: August 1st, 2020

Prepared by: Vincent Castonguay, Young Professional (YP) Representative

End of Term: December 31st, 2021

Section 2: Report on young member events

- 6th Canadian Young Geotechnical Engineers and Geoscientists Conference (cYGEGC): The conference was held September 26th to 28th, 2019, in St. John's Newfoundland, the week prior to GeoSt.John's. 34 delegates attended the conference's one day of technical tour and two days of technical program. The technical tour led the delegates through an inactive iron ore mine as well as to Cape Spear to learn more about the local geology. The technical program included poster presentations and elevator pitches from delegates, plus five keynote speakers who also participated in a panel discussion. The CGS was a gold sponsor for this event, along with providing seed funding.
- GeoSt.John's 2019: A YP and Student Icebreaker was held on Sunday September 29th, 2019, in the main conference hall. The event included a panel discussion with geo-professionals from various backgrounds and experiences. The event was a success, attracting many young (as well as some older) conference delegates.
- GeoVitual 2020: A YP special session is scheduled on Tuesday September 15th, 2020. The event will be held on the online platform Remo.co and should last 1h30. The first part of the event will consist of group discussions (maximum 6 people per group) regarding how covid-19 impacted the field of geotechnical engineering. A panel discussion will follow during which questions coming from the host and from the floor will be asked to a group of three panelists.

Section 3: Websites

The CGS website now includes a dedicated section for students and young professionals (under the "Membership" tab). Information about the various initiatives organized for this specific demographic within CGS can be found in the "Benefits and Sponsorship" and "Award and Competitions" web pages.

Section 4: Finances

No finance is managed by the YP Representative. There is money in a reserved fund under the Education Committee that can be used for Young Professional or Student Initiatives.

Section 5: Affiliations with other organizations

The ISSMGE Young Members Presidential Group started a pilot project in 2019 in which the CGS YP Representative actively participates. The goal of this initiative is to create a platform where young member representatives from various ISSMGE member societies can meet and exchange ideas. Several meetings were initially held with only a few member societies representatives (including CGS). The initiative has now been broadened to a few dozen member societies and constitutes a unique opportunity to discuss with peers from around the world.

Section 6: Young professionals awards

- CGS Early Achievement Award: The first edition of this award was presented during the Awards Ceremony at GeoSt.John's 2019. The award is intended to recognize outstanding accomplishments provided by members in the early years of their career; it focusses on excellence of technical achievements and contributions to the geotechnical profession, service to the CGS, and service to the practice/industry. The second edition of this award will be presented at GeoVirtual 2020. For both editions of the award, the selection committee was composed of the CGS YP Representative, the CGS VP-Technical and the Chair of the GRB.
- ISSMGE Young professionals awards: two young professionals awards will be presented at the next International Conference on Soils Mechanics and Geotechnical Engineering (ICSMGE Sydney 2021). The CGS arranged a nomination package for the Outstanding Young Geotechnical Engineer Award and two nomination packages for the Bright Spark Lecture Award (a new award) to represent Canada.

Section 7: CGS Student Chapters

- The one-year pilot project to establish the CGS Student Chapters ended in May 2020. Seven Student Chapters were created in Canadian universities and local CGS sections over this trial period.
- The CGS YP Representative will submit a report on the pilot test to the CGS EC and the BOD in August 2020. The report will serve as a basis to determine whether or not the initiative is to be continued.
- If the initiative was to be continued, one additional Student Chapter would be created for the 2020-2021 school year (Western University).

Section 8: Additional information or comments

- Vincent Castonguay took over Maraika DeGroot's position as CGS Young Professional Representative on January 1st, 2020, for a two-year mandate.
- The YP Representative coordinated the publication of two news articles in Geotechnical News (December 2019) and Canadian Geotechnique (September 2020) highlighting the St. John's cYGECC and the first year of CGS Student Chapters.
- The CGS has been granted two young member representative slots to participate in the next International Young Geotechnical Engineers Conference (iYGEC Sydney 2021) held prior to the ICSMGE. The two representatives will be selected by October 2020.



CGS Student
Chapters - Pilot test r

SECTION REPORTS

Sections Representative Annual Report – Billy Singh

Most Sections held on average 5 events for the 2019/2020 period. The majority of events comprised technical lectures, including the Cross-Canada Lecture Tour (CCLT). Some Sections continue to require support from the Section Representative, CGS HQ, and well-established neighbouring Sections. There has been increased interaction between Sections through donating funds to smaller sections or providing webcasting of technical lectures.

Due to the COVID-19 pandemic and associated regulatory restrictions, all sections cancelled in-person events since March 2020 to conform to various Federal, Provincial and Municipal Guidelines. Many sections opted for virtual events which were attended by a significant number of respective local section members as well as others across the country. Initiatives were taken by the national CGS to provide a web-based platform to help facilitate individual sections to arrange and promote these virtual events. These virtual events resulted in a significantly higher level of interaction between different sections, as well as national CGS office.

During this full year (July 2019 to June 2020), 161 members of Section Committee Executives – all volunteers – served their 2,625 Section members, and arranged a total of 94 events (technical and social) achieving over 2,160 in attendance. This does not include the attendance at Geo St. Johns 2019. About 7% of the Section Executive Committee members (11 in total) were students, all serving as student representatives. The CGS continues to serve well the Geotechnical community at a local level and is encouraging involvement of students.

The effectiveness of the efforts of each Section may be compared with the other sections based on the data reported. These comparisons must be interpreted based on the context of individual Section, e.g., some sections report numbers from mailing lists versus paid members. Although further improvement is possible, the statistics reported definitely reflect the hard work evident from the Section reports.

Total section membership reported in the table below is missing four sections, which in the half-year reports accounted for approximately 380 members. Adding these to the membership numbers reported below, overall reported membership increased by 32% (as noted before, this trend may not necessarily represent the National CGS membership trend because many sections report their membership solely based on the mailing list and not paid/registered members. Three Sections were noted to have annual membership fees that vary between \$10 and \$25 for regular members. Other Sections gain revenue through various streams, including running short courses and charging per technical talk.

One measure of delivery to local Section members and of the Section's workload is the ratio of the number of events held annually per member of the Section Executive. The average ratio across the nation is about 0.83 events per Section Executive member with values ranging from 0.08 to 4 for individual sections. The number of events held per member for a section is also a useful indicator averaging at about 0.012 and ranging from 0.00 to 1.33 for various sections. Another such measure is the ratio of the annual attendance at events per member of the Section Executive which averages at about 31.9 and ranges from 0.0 to 104 across various sections, though the above evaluation does not provide a direct measure of the quality of the events held.

A measure of the participation by local Section members is the attendance per member at the events. The average attendance rate is about 2.9 events per member ranging from 0.0 to 14.3 for various sections. The percentage of the membership represented on the Section Executives ranged from about 1.6% to 52.0%, averaging 12.4% for different sections. On average, each member of an Executive served about 17.5 Section members.

It is evident that the Section Executives are contributing significantly and serving as an Executive is likely to be particularly demanding where the work is not evenly shared, particularly for smaller Executive Committees. The activities reported here refer only to events held for members, while the Section Executives also need engage in other planning, logistics and functional activities for a successful operation of an individual section. The data provided by the Sections are summarized in the table below.

Section	Members			Number of Events					Total Events	Total Attendance	Sponsor Student?	Finance
	Executive	Total Members	CGS Members	CCLT	Technical Lectures	Workshop & Short Courses	Student Events	Social Events				
	Total / # students	Total / # students	Total / # students									
Vancouver Island	5/0	NP/NP	33/NP		5				5	117	N	\$ 5,987.47
Vancouver	11/1	380/89	110/15	1	6	2			9	403+	N	\$ 84,198.92
Prince George	5/0	25/NK	15/NK		1				1	22	N	\$ 8,497.02
Interior BC	3/0	92/NP	NK		2				2	48	Y	\$ 12,000.00
Edmonton	16/1	280/44	48/NK	1	6			1	8	686	Y	\$ 82,713.54
Calgary	14/1	281/NP	NK	1	3				4	233	N	\$ 16,492.86
Saskatoon	9/1		NP	1	1	0	1	0	3	70	Y	NP
Regina	10/0	~50/NP	~15/NP	1	5			1	7	368	Y	\$ 47,400.00
Manitoba	8/1	61/11	61/11		7			1	8	465+	Y	\$ 38,500.00
Thunder Bay	3/0	15/NP	15/NP						NP	NP	N	\$ 3,005.31
Sudbury	1/0	NP	NP	1	3				4	43+	NP	CLOSED
London	12/0	~300NP	NP	0	3	0	0	0	3	105	N	\$ 10,000.00
Southern Ontario	13/2	~300/NP	~300/NP	1	3	2	1	1	8	1357+	N	\$ 42,355.00
Kingston	8/2	NP	~100/NP	0	0	1	0	0	1	80	Y	\$ 8,000.00
Ottawa	7/0	65/NP	NK	1	6		1	1	9	335	Y	\$ 8,000.00
L'ouest-du-Québec	8/1	500/NP	NP	1	5				6	630	Y	\$ 30,653.00
L'est-du-Québec	14/1	146/NP	48/NP	1	7		1		9	718	N	\$ 96,191.87
New Brunswick	5/0	NP	NP					1	1	0	NP	\$ 339.77
Nova Scotia	7/0	50/NP	NP	1	2				3	61+	NP	\$ 16,546.47
St. John's	2/0	80/NP	~25	1	2	0	0	0	3	95	NP	\$ 44,209.92
Totals	161/11	2625/144	770/26	12	67	5	4	6	94	2168+	9	\$ 555,091.15

* Does not include CGS National Conference

NP = Not Provided

NK = Not Known

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

Some CGS members live and work in very remote parts of the country, and the technology has now gradually made it easier to allow them to participate in the events even if remotely. Some Sections already routinely webcast their lectures, while others are considering / implementing a similar approach to reach more of their members and/or to assist other Sections. The Society acknowledges the benefit of webcasting and knowledge-sharing for the membership, and is working on ways to encourage further webcasting development and interaction between Sections. The recent pandemic situation has accelerated this process by facilitating virtual events arranged by individual sections, but attended by members all over the country.

The effort by Section Directors across Canada in providing the information summarised in this full-year report is acknowledged with gratitude, and also the excellent work the Sections have done in serving our members.

Billy Singh
Section Representative
September 4, 2020

***Vancouver Island BC (Victoria) Section
Annual Report July 1, 2019 to June 30, 2020***

Formal Section Name: Vancouver Island Geotechnical Group (VIGG)

Section 1: General

Date of this report: August 10, 2020

Prepared by: Caroline Silins

Section Director: Caroline Silins

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

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

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

Chair: Caroline Silins – Thurber Engineering Ltd. until August 14, 2020 then Caleb Scott – Thurber Engineering Ltd. will be taking the chair role until December 31, 2020

Past Chair: Chris Weech – Thurber Engineering Ltd.

Vice Chair/Technical Director: Donald Kaluza - WSP

Treasurer/Registrar: Jeff Ferraby - Ryzuk Geotechnical

Section 3: Number of Section Members (as of June 30, 2020)

Executive Committee Members: 3

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

Total CGS members (if possible student and non-student members): 33

Does your section do anything specific to attract new members?

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

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

- It may be helpful to encourage consulting companies, at the corporate level, to subsidize the membership fee, as the cost of membership is perceived to be a headwind to membership growth.

Section 4: Section Finances (as of June 30, 2020):

Account balance \$5987.47 (as of August 7)
 Does your Section charge members an annual fee? No
 If so, how much? \$
 Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes
 Is your Section aware of the CGS Lecture Supplement Program? Yes
 Comments (point form)

•

Section 5: Section Activities, July 1, 2019 to June 30, 2020			
Date	Speaker/Other	Topic/Subject	Attendance
September 27	Ross Boulanger	Liquefaction: Lessons, challenges and opportunities	32
October 22	Carl Miller	Land Development Above Abandoned Underground Mine Workings	21
November 8	Ian Moore	Some Days the Earth Doesn't Stand Still: Pipeline Response to Imposed Ground Movement	22
January 30, 2020	Jen Hanlon	Geophysics Toolbox for Geotechnical Engineers	22
February 26, 2020	Kathy Kalenchuk	Mitigating a Fatal Flaw in Modern Geomechanics	20

Section 6: Additional information or comments

- An event was planned for March but cancelled due to COVID. The committee hopes to host at least one virtual event in the fall to keep our members engaged.

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

Are you planning to attend the fall board meeting in September 2020? Yes

***Southern BC (Vancouver) Section
Annual Report July 1, 2019 to June 30, 2020***

Formal Section Name: Southern BC (Vancouver) Section

Section 1: General

Date of this report: August 6, 2020
 Prepared by: Andrea Lougheed
 Section Director: Andrea Lougheed
 End of Section Director's Term: December 31, 2020
 Is there a link from your separate Section website to the CGS website? Yes

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)

Chair: Yoshi Tanaka, Kontur Geotechnical

Past Chair: Marc Bossé, Thurber Engineering
 Program Director: Aran Thurairajah, Golder Associates
 Treasurer: Tim Morton, Tetra Tech
 Secretary: Vacant
 Registrar: Intisar Ahmed, Thurber Engineering
 Web Manager: Marc Bossé, Thurber Engineering
 CGS Director: Andrea Lougheed, BGC Engineering
 Student Representative: Ethan Alban, UBC Student
 Member-at-Large: Shane Magnusson, BGC Engineering
 Olga Kosarewicz, British Columbia Institute of Technology
 Kumar Sriskandakumar, BGC Engineering

Section 3: Number of Section Members (as of June 30, 2020)

Executive Committee Members: 11

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

Regular:	277
Student:	89
<u>Lifetime:</u>	<u>14</u>
Total:	380

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

Students:	15
<u>Non-Students:</u>	<u>95</u>
Total:	110

Does your Section do anything specific to attract new members? Can the National Office or newly formed Membership Committee help support your endeavours?

Comments: VGS does not do anything specific to attract new members. Many Executive Committee members will disseminate meeting info among their companies.

Section 4: Section Finances (as of June 30, 2020)

Account balance \$ 84,198.92 (June 24, 2020)

Does your Section charge members an annual fee? Yes

If so, how much? \$20 (Regular) / Free (Students / Lifetime)

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

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

Is your Section planning on sponsoring a Student/MIT to attend GeoVirtual 2020 (Admin Manual App 12)? No

Section 5: Section Activities, July 1, 2019 to June 30, 2020			
Date	Speaker/Other	Topic/Subject	Attendance
Sept. 26, 2019	Prof. Ross Boulanger, UC Davis	Liquefaction: Lessons, Challenges, and Opportunities and VGS Annual General Meeting	115
Oct. 17, 2019	Prof. Mason Ghafghazi, University of Toronto	Tailings-Specific Liquefaction Assessment	63
Nov. 7, 2019	Prof. Ian Moore, Queen's University	Geomechanics of Trenchless Pipe Installation, Repair and Replacement	32
Nov. 15, 2019	Prof. Youssef Hashash, University of Illinois (Urbana Champaign)	Fall 2019 Course: DEEPSOIL: A unified 1D Equivalent Linear Method of Nonlinear Site Response Analysis Platform	43
Nov. 20, 2019	Prof. Jorge Macedo, Georgia Institute of Technology (Atlanta)	Hazard-Consistent Assessment of Seismically-Induced Displacements	58
Jan. 17, 2020	Philip LeSueur, BGC Engineering	VGS-TAC Annual Joint Talk: Managing Landslide Risk in the Rohingya Refugee Camps in Bangladesh	52
Feb. 6 to 8, 2020	Mike Jefferies and Dr. Dawn Shuttle	Winter 2020 Course: Critical State Soil Mechanics for Practical Engineers	40
Feb 27, 2020	Dr. Kathy Kalenchuk, RockEng	CGS Colloquium Lecture: Mitigating a Fatal Flaw in Modern Geomechanics: Understanding Uncertainty, Applying Model Calibration, and Defying the Hubris of Numerical Modelling	NK
Mar. 4, 2020	Prof. Emeritus Issat M. Idriss, UC Davis	Response of Soil Sites During Earthquakes – A 60 Year Perspective (55 th Terzaghi Lecture)	NK

NK – Not Known At This Time

Section 6: Additional information or comments

- E-News article was written on the Winter 2020 course.
- The remainder of the Spring 2020 program was cancelled due to COVID-19 in mid-March 2020.
- The 27th Annual VGS Symposium has been postponed from June 5, 2020 to May 31, 2021 due to COVID-19 as of mid-March 2020. The topic will be on Risk and Liability.
- New Section Director will be confirmed at our 2020 AGM in September.

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

None.

Are you planning to attend the fall board meeting, to be held virtually in September? Yes and this will include our Section Director nominee.

***Northern BC (Prince George) Section
Annual Report July 1, 2019 to June 30, 2020***

Formal Section Name: Northern BC (Prince George Section)

Section 1: General

Date of this report: July 22, 2020

Prepared by: Warren Lemky

Section Director: Warren Lemky

End of Section Director's Term: December 2019 (no successor for position)

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

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)

Chair: Warren Lemky, Ministry of Transportation and Infrastructure
 Past Chair/Treasurer: Dave McDougall, GeoNorth Engineering Ltd.
 Vice Chair: Vacant
 Secretary: Mark Dresen, GeoNorth Engineering Ltd.
 Treasurer: Natasha Jmaeff, GeoNorth Engineering Ltd.
 Member at Large: Heidi Evensen, Ministry of Transportation and Infrastructure

Section 3: Number of Section Members (as of June 30, 2020)

Executive Committee Members: 5
 Total members (if possible, student and non-student members): ~25
 Total CGS members (if possible, student and non-student members): ~15
 Does your Section do anything specific to attract new members? Can the National Office or newly formed Membership Committee help support your endeavours? We are a small community so almost all geotechnical engineers in the region are members. We don't really do any specific recruiting.

Section 4: Section Finances (as of June 30, 2020)

Account balance \$8497.02
 Does your Section charge members an annual fee? No
 If so, how much? \$
 Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes
 Is your Section aware of the CGS Lecture Supplement Program? Yes
 Is your Section planning on sponsoring a Student/MIT to attend GeoVirtual 2020 (Admin Manual App 12)? No

Section 5: Section Activities, July 1, 2019 to June 30, 2020			
Date	Speaker/Other	Topic/Subject	Attendance
November 6, 2019	Dr. Ian Moore	Pipeline Response to Imposed Ground Movement	22

Section 6: Additional information or comments

- There were no talks this term due to Covid-19. At this time, no talks are planned until further notice.
- The Prince George Section was planning and had book a venue to hold the Terrain Analysis Workshop put on by J.D. Mollard and Associates for 30 attendees on April 27&28 which was cancelled due to the Covid-19 pandemic. It will be rescheduled for next year, depending on when restrictions are lifted.

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

Are you planning to attend the fall board meeting, to be held virtually in September? Yes, if possible

*Interior BC (Kelowna) Section
 Annual Report July 1, 2019 to June 30, 2020*

Formal Section Name: BC Interior Geotechnical Group

Section 1: General

Date of this report: July 16, 2020
 Prepared by: Dwayne Tannant
 Section Director: Dwayne Tannant

End of Section Director's Term: whenever I can get someone else to serve (I have been doing this for ~ 10 years)

Section's CGS web page address: n/a

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

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

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

Section 2: Past (as of June 30, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)

Chair: Dr. Dwayne Tannant, UBC Okanagan

Past Chair: Dr. Sumi Siddiqua, UBC Okanagan

Vice Chair: none

Secretary: none

Treasurer: Glen Rutherford, Golder Associates

Section 3: Current Executive Committee Members and their Affiliations (employers or if students, universities)

So far, same as above

Section 4: Number of Section Members

Executive Committee Members: 3

Total members (if possible, student and non-student members): email list with 92 addresses (diverse group of people)

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

Comments: Everyone on my mailing list was reminded to consider becoming a CGS member in January 2020.

Section 5: Section Finances

Account balance ~\$12,000

Does your Section charge members an annual fee? no

If so, how much? \$

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

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

Is your Section planning on sponsoring a Student/MIT to attend GeoCalgary 2020 (Admin Manual App 12)? Yes

Comments:

- It would be helpful if CGS could create an application portal for students to apply to seek sponsorship to attend the annual conference. Then CGS could seek funds from sections in which the student resides to help cover the costs. This way the student sees a stronger connection to CGS and the selection of students that are funded can be done more at arms length. Finally CGS will be able to gauge the national demand for this program.

Section 6: Section Activities, July 1, 2019 to December 31, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
Feb 6, 2020	Gilles Costa, Behnam Fonouni, Hubert Scache	Controlled Modulus Columns: A Foundation Solution in Loose and Soft Soils	25
Feb. 28, 2020	Dr. Cathy Kalenchuk	Understanding Uncertainty & Model Calibration in Numerical Modelling	23

Section 7: Additional information or comments

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

See my comments about students above

*Northern Alberta & Territories (Edmonton) Section
Annual Report July 1, 2019 to June 30, 2020*

Formal Section Name: Geotechnical Society of Edmonton

Section 1: General

Date of this report: July 15, 2020
Prepared by: Renato Macciotta
Section Director: Renato Macciotta
End of Section Director's Term: December 31, 2020
If your Section has a separate website, please provide address: <http://www.cgs.ca/>
Is there a link from your separate Section website to the CGS website? Yes

Section 2: Current (Term from April 2019 to September 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)

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

Section 3: Number of Section Members (as of Dec 31, 2019)

Executive Committee Members: 16
Total members (if possible, student and non-student members): 280 (44 students)
Total CGS members (if possible student and non-student members): 48

Comments:

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

Section 4: Section Finances (as of June 30, 2020)

Account balance \$82,713.54 (as of June 25, 2020)

Does your Section charge members an annual fee? **Yes**
 If so, how much? **\$15 non CGS members, \$10 CGS members, \$5 students, \$0 retired members and Stan Thomson Awardees**

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? **Yes**
 Is your Section aware of the CGS Lecture Supplement Program? **Yes**
 Is your Section planning on sponsoring a Student/MIT to attend GeoVirtual 2020 (Admin Manual App 12)? **Yes**
 Comments (point form)
 We have a recallable loan for \$10,000.00

Section 5: Section Activities, July 1, 2019 to June 30, 2020			
Date	Speaker/Other	Topic/Subject	Attendance
2019-09-10	Dr. John Burland	"A tale of two towers: Big Ben and Pisa"	108
2019-10-15	Ms. AkhilaPalat and Ms. Elena Zabolotnii	Fall Mixer: Two graduate student research presentations	56
2019-11-05	Dr. Ian Moore	Fall CCLT: "Geomechanics of trenchless pipe installation, repair and replacement"	80
2020-01-20	Multiple (within Alberta)	"Geotechnical Symposium: Lessons Learned, Challenges and Opportunities for Our Geotechnical Community"	95
2020-02-18	Dr. Kathy Kalenchuk	Colloquium Lecture: "Mitigating a fatal flaw in modern geomechanics: understanding uncertainty, applying model calibration, and defying the hubris in numerical modelling"	42
2020-03-05	Dr. Gord McKenna	"Landform Design for Sustainable Mining"	70
2020-05-26 (online)	Jorge Rodriguez	"Study of the Ten-mile Landslide Using High-Frequency dGPS Monitoring Technology"	80
2020-06-16 (online)	Dr. Dave Kurz	"Settlement Analysis on Glacio-Lacustrine Clays using Observational Method for a New Interchange in Winnipeg, Manitoba"	155

Section 6: Additional information or comments

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

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

***Southern Alberta (Calgary) Section
 Annual Report July 1, 2019 to June 30, 2020***

Section 1: General

Date of this report: August 31, 2020
 Prepared by: Leanne McLaren
 Section Director: Leanne McLaren
 End of Section Director's Term: Dec 2020
 Is there a link from your separate Section website to the CGS website? Yes

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)

Chair: Remco Kleinlugtenbelt, (Thurber Engineering Ltd.)

Past Chair: N/A (Hamid moved away during his term as Chair)
 Co- Chair: Gennaro Esposito
 Treasurer: Daniel G. Bertrand (Klohn Crippen Berger)
 Venue Coordinator: Will Smith (BGC Engineering)
 Announcements: Aditi Khurana (Stantec)
 Webmaster: Dat Tran / Thomas Kujawa (Thurber Engineering Ltd.)
 Student Rep: Boning Ma (University of Calgary)
 Section Director: Leanne McLaren (University of Alberta)
 Members at Large: Kshama Roy (Northern Crescent)
 Dan Ferg (GeoStabilization International)
 Masoumeh Saiyar (Golder)
 Tun Lwin (N/A)
 Michael Bicanic (Higher Ground Consulting)

Section 3: Number of Section Members (as of June 30, 2020)

Executive Committee Members: 14
 Total members (if possible, student and non-student members): 281
 Total CGS members (if possible, student and non-student members): unknown
 Does your Section do anything specific to attract new members? Can the National Office or newly formed Membership Committee help support your endeavours?
 Comments:
 • Nothing done to attract members
 • Membership Committee may be of assistance in maintaining membership during COVID

Section 4: Section Finances (as of June 30, 2020)

Account balance \$16,492.86
 Does your Section charge members an annual fee? no
 If so, how much? \$N/A
 Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes
 Is your Section aware of the CGS Lecture Supplement Program? No
 Is your Section planning on sponsoring a Student/MIT to attend GeoVirtual 2020 (Admin Manual App 12)? No
 Comments:
 • We usually sponsor a student/MIT for the conference but the selection process did not go ahead this year due to the AGM not happening because of COVID

Section 5: Section Activities, July 1, 2019 to June 30, 2020			
Date	Speaker/Other	Topic/Subject	Attendance
Sept 9, 2019	Prof John Burland – Special Tour Lecture	A Tale of Two Towers	101
Oct 17, 2019	Dr. C.K.Wong – Student Winner	Physical Soil-Pipe Interaction Model Tests and their Practical Implications	32
Nov 5, 2019	Dr. Ian Moore – CCLT	Some Days the Earth Doesn't Stand Still – Pipeline Response to Imposed Ground Movement	66
Feb 25, 2020	Dr. Kathy Kalenchuk – Colloquium Lecture Series	Mitigating a fatal flaw in geomechanics	34

Section 6: Additional information or comments

- GeoCalgary2020 changed to GeoVirtual2020, Calgary members remain as conference LOC
- Events were cancelled from March on due to COVID

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

- I'm sure we will be discussing the effect of COVID on the lectures/online delivery etc, it will be interesting to compare notes with other sections and get ideas to keep things rolling.

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

***Southern Saskatchewan (Regina) Section
Annual Report July 1, 2019 to June 30, 2020***

Formal Section Name: South Saskatchewan Section (Regina Geotechnical Group)

Section 1: General

Date of this report: 16 July 2020

Prepared by: Kyle Mason

Section Director: Kyle Mason

End of Section Director's Term: 2022

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

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)

Chair: Jasyn Henry, Water Security Agency

Past Chair: Harpreet Panesar, Ministry of Highways and Infrastructure

Section Director: Kyle Mason, Clifton Associates

Director of Communications: Kim Doran, SNC-Lavalin

Director of Finance: Anna Gagnon, JD Mollard and Associates

Co-Program Director: Blake Locker, Clifton Associates

Co-Program Director: Krystin Robinson, SNC-Lavalin

Professional Practice Chair: Imteaz Bhuiyan, Water Security Agency

Linear Infrastructure Chair: Matthew Dipple, SaskEnergy

Foundations Chair: Chelsey Knibbs, Wood.

Section 3: Number of Section Members (as of June 30, 2020)

Executive Committee Members: 10

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

Total CGS members (if possible, student and non-student members): ~15-20

Does your Section do anything specific to attract new members? Promote events to students, mentorship of younger members

Can the National Office or newly formed Membership Committee help support your endeavours?

Section 4: Section Finances (as of June 30, 2020)

Account balance \$ 47,400

Does your Section charge members an annual fee? No

If so, how much? \$

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

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

Is your Section planning on sponsoring a Student/MIT to attend GeoVirtual 2020 (Admin Manual App 12)? Yes/if one is available

Section 5: Section Activities, July 1, 2019 to June 30, 2020			
Date	Speaker/Other	Topic/Subject	Attendance
16 Oct 19	Tim Hartel, SkyGeo	InSAR Surface Deformation – Ahead of the Curve	16
4 Nov 19	Dr. Ian Moore, CCLT	Pipeline Response to Imposed Ground Movement	41
11 Dec 19	Kent Bannister, TREK	Foundation design and embankment reinforcement for the McOrmond / College Drive interchanges	30
29 Jan 2020	Lynden Penner, JD Mollard	Terrain Analysis for Geotechnical Investigations Short Course	44
12 Feb 2020	Jeff Schaeffers, Conetec	Challenges in Geotechnical Drilling, Testing, and Sampling	34
05 March 2020	Del Fredlund	GeoCelebration 2020	120
06 May 2020	David Kurz, KGS	Settlement Analysis on Glacio-Lacustrine Clays	83

Section 6: Additional information or comments

- Soil Rocks Event – aimed at University students and younger, with different age categories, was well received. Had 8 Submissions. Should have more next year, trying to get more support from outside organizations/corporations.

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

-Inter section communication still seems low, we were committed to quarterly meetings, and I have only received word of one them

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

***Manitoba (Winnipeg) Section
Annual Report July 1, 2019 to June 30, 2020***

Formal Section Name: CGS Manitoba

Section 1: General

Date of this report: July 26, 2020

Prepared by: David Kurz

Section Director: David Kurz

End of Section Director's Term: December 2022

Is there a link from your separate Section website to the CGS website? Yes, <http://www.cgsmanitoba.ca/>

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)

Chair: Arjan Jianfar (Hatch)

Past Chair: Wing-keat Wong (Wood)

Secretary: Kirby Pogue (Hatch)

Treasurer: Earl Marvin De Guzman (University of Manitoba)

Program Director: David Anderson (KGS Group)

Student Liaison: vacant

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

Webmaster: Kevin Baylis (Stantec)

Special Events: David Flynn (KGS Group)

Section 3: Number of Section Members (as of June 30, 2020)

Executive Committee Members:	8 (Including Section Director)
Total members (if possible, student and non-student members):	61
Total CGS members (if possible, student and non-student members):	
• Student	11
• Non-student:	47
• Retired:	3

Does your Section do anything specific to attract new members? No recent activities, discussions ongoing.

Can the National Office or newly formed Membership Committee help support your endeavours? Discussions ongoing.

Comments:

- Local presentations and annual golf tournament are subsidized for CGS members.
- Benefits of CGS membership are discussed at monthly presentations.

Section 4: Section Finances (as of June 30, 2020)

Account balance \$38,500

Does your Section charge members an annual fee? No

If so, how much? \$0

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

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

Is your Section planning on sponsoring a Student/MIT to attend GeoVirtual 2020 (Admin Manual App 12)? Yes, discussions ongoing.

Comments:

- CGS Manitoba received financial support (bronze, silver, and gold sponsorship levels) from local organizations for Geo-Celebration 2019 and future presentations.

Section 5: Section Activities, July 1, 2019 to June 30, 2020			
Date	Speaker/Other	Topic/Subject	Attendance
October 8, 2019	Mr. James Bartz, M.Sc, P.Eng.	A Modern Approach to the Design of Driven Pre-Cast Pre-Stressed Concrete Piles in Winnipeg	26
October 8, 2019	Mr. Dylan Stafford, Engineering Intern	Preliminary Deformation Detection of High Fill Sections along the Inuvik-Tuktoyaktuk Highway using UAV Photogrammetry	26
October 25, 2019	Dr. Ian Moore, Ph.D., P.Eng.	Geomechanics of Trenchless Pipe Installation, Repair and Replacement	37
November 15, 2019	Dr. James Graham, Ph.D., P.Eng.	Geo-Celebration – Recognition of Dr. James Graham’s contribution to Geotechnical Engineering	97
December 18, 2019	Mr. Miad Jarrahi, M.Sc.	Hydraulic Fracturing: Rock Characterization and Elastic Plastic Rock Propagation	14
January 30, 2020	Mr. Kent Bannister, M.Sc. P.Eng.	Design, Construction and Performance Monitoring of Stone Column Reinforced Embankments in Saskatoon, SK.	55
May 6, 2020	Dr. David Kurz, Ph.D., P.Eng.	Settlement Analysis on Glacio-Lacustrine Clays using Observational Method for a New Interchange in Winnipeg, Manitoba (via WebEx for Regina, Saskatoon. Invite extended to Alberta, Manitoba, and likely more)	80+
June 16, 2020	Dr. David Kurz, Ph.D., P.Eng.	Settlement Analysis on Glacio-Lacustrine Clays using Observational Method for a New Interchange in Winnipeg, Manitoba (via Zoom for GSE, invite extended to Yukon, Alberta, Manitoba, Thunder Bay, and likely more)	130+

Section 6: Additional information or comments

- CGS Manitoba provided financial assistance for two students to attend the 2019 CGS Conference in St. John's.
- CGS Manitoba hosted Geo-Celebration 2019 in recognition of Dr. James Graham's contributions to geotechnical engineering.
- CGS Manitoba provided a financial contribution of \$1,000 to local university students competing in the MSE Wall Competition in Minnesota in February 2020.
- Cancelled due to COVID-19 Restrictions:
 - CGS Manitoba cancelled a Terrain Analysis for Geotechnical Applications short course for late March 2020.
 - CGS Manitoba had considered hosting Dr. Ellen Rathje for the Spring CCLT; however, planning was suspended.
 - The Annual Golf Tournament (June 4) for the Neil Burgess Memorial Scholarship fund was cancelled; however, the local committee is exploring options for a Fall socially distanced tournament
- CGS Manitoba is planning a Deep Foundation Design short course for Fall 2020 but may be cancelled due to COVID-19 restrictions. Discussions ongoing.
- CGS Manitoba provided \$3,000 to the Manitoba Student Chapter of CGS. The student Chapter is open to all students at the University of Manitoba, University of Winnipeg, University of Brandon, and Red River College.

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

As a technical society, we should encourage more virtual presentations/seminars that can help benefit all CGS sections and members by broadcasting them nationally. I believe this would be well received by all members. I believe CGS National took the initiative to purchase a virtual presentation platform. What other initiatives are taking place?

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

Northwestern Ontario (Thunder Bay) Section Annual Report July 1, 2019 to June 30, 2020

Formal Section Name: Northwestern Ontario

Section 1: General

Date of this report: 2020-07-17
Prepared by: Wesley Saunders
Section Director: Wesley Saunders
End of Section Director's Term: 2021
Is there a link from your separate Section website to the CGS website? No

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)

Chair:
Past Chair:
Vice Chair:
Secretary:
(Add others as necessary)

Section 3: Number of Section Members (as of June 30, 2020)

Executive Committee Members: 3
Total members (if possible, student and non-student members): 4 (active) 11(inactive)
Total CGS members (if possible, student and non-student members): 4 (active) 11(inactive)
Does your Section do anything specific to attract new members? No

Can the National Office or newly formed Membership Committee help support your endeavours? No

Comments:

•

Section 4: Section Finances (as of June 30, 2020)

Account balance \$3005.31

Does your Section charge members an annual fee? No

If so, how much? \$

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

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

Is your Section planning on sponsoring a Student/MIT to attend GeoVirtual 2020 (Admin Manual App 12)? No

Section 5: Section Activities, July 1, 2019 to June 30, 2020			
Date	Speaker/Other	Topic/Subject	Attendance

Section 6: Additional information or comments

- Encouraged members to attend CSCE National Lecture Tour presentation "Climate Change: Current Issues for Civil Engineering" hosted at Lakehead University
- Provide details to members for CGS courses being conducted by CGS Winnipeg.
- Encouraged member to join webinars put on by Regina Geotechnical Group, and CGS-SOS
- Review potential future presenters for the section.

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

No

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

*Northeastern Ontario (Sudbury) Section
Annual Report July 1, 2019 to June 30, 2020*

Formal Section Name: Sudbury – North Bay

Section 1: General

Date of this report: July 20/20

Prepared by: Andre Bom

Section Director: Andre Bom

End of Section Director's Term: TBD (when replacement is available)

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

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)

Chair: Andre Bom

Past Chair:

Vice Chair:

Secretary:

(Add others as necessary)

Section 3: Number of Section Members (as of June 30, 2020)

Executive Committee Members:

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

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

Does your Section do anything specific to attract new members? Can the National Office or newly formed Membership Committee help support your endeavours?

Comments:

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Section 4: Section Finances (as of June 30, 2020)

Account balance \$ 0 (Account Closed)

Does your Section charge members an annual fee?

If so, how much? \$

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

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

Is your Section planning on sponsoring a Student/MIT to attend GeoVirtual 2020 (Admin Manual App 12)? Yes/No

Section 5: Section Activities, July 1, 2019 to June 30, 2020			
Date	Speaker/Other	Topic/Subject	Attendance
Oct 21/19	Dr. Ian Moore	Halifax CCLT; also forwarded link to our local section to Vancouver's you-tube channel for the recorded CCLT	3
Jan 17/20	Dr. Joe Carvalho	Numerical Modelling and Rock Mass Characterization Approaches for Design of Foundations in Weak Coralline Limestone	Sud: 15 NB: 6
Mar 3/20	Amir Khoshboresh	An Overview of Geotechnical Instrumentation and Monitoring for Civil Engineering and Mining Projects	Sud: 18 NB: 1
May 8/20	Mark Tigchelaar	CGS Kingston Section Webinar: Working Smart with Ground Improvement in Ontario	Several from our Section

Section 6: Additional information or comments

- Hoping for a webinar to Laurentian University and our section (or in person) by Dr. Kalenchuk tentatively scheduled Sept 14
- Also hoping for a webinar by Michel Aubertin Fall 2020 to our section based on previous discussions

Section 7: Do you have any specific questions or issues that you would like to bring to the attention of the Sections Representative on the CGS Executive Committee, the CGS National Office or fellow Board members? Are you planning to attend the fall board meeting, to be held virtually in September? Tentatively

*Southwestern Ontario (London) Section
Annual Report July 1, 2019 to June 30, 2020*

Formal Section Name: Southwestern Ontario (London) Section**Section 1: General**

Date of this report: March 5, 2020

Prepared by: Andrew Stewart

Section Director: Andrew Stewart P.ENG.

End of Section Director's Term: 2020 (served a double term and still volunteering until a suitable volunteer is found)

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

Last time your Section's CGS web page was updated: 2020

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

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

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

Chair: Julian N. Novick, Wastell Homes

Past Chair: Stephanie Dalo, AECOM

Vice Chair: Khalid Backtash MTO

Secretary: Jon Southen, University of Western Ontario

Treasurer: Grant Strachan, AECON

Vice-treasurer: John Gawley, Dillon Consulting Ltd.

Communications: Azmi Hammoud, Professor at Fanshawe College.

CGS Section Director : Andrew Stewart, Englobe

CSCE Ontario Region Treasurer: Andy Turnbull, MTO

City Representative: Paul Choma, City of London

Western Faculty Representative: Mike Bartlett University of Western Ontario

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

Western Graduate Representative: Hayley Wallace: University Of Western Ontario

Young Professionals Representative: Tucker Morton, Dillon Consulting Ltd.

Section 3: Current (Jan 1, 2020 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or if students, universities)

Chair: Julian N. Novick, Wastell Homes

Vice Chair: Khalid Backtash MTO

Secretary: Jon Southen, University of Western Ontario

Treasurer: Grant Strachan, AECON

Co-treasurer: John Gawley, Dillon Consulting Ltd.

Communications: Azmi Hammoud, Professor at Fanshawe College.

CGS Section Director : Andrew Stewart, Englobe

City Representative: Paul Choma, City of London

Western Faculty Representative: Mike Bartlett University of Western Ontario

Western Society Of Civil Engineers (WSCE) Representative: James Gale University of Western Ontario

Western Graduate Representative: James Gale: University of Western Ontario

Industry Representatives: Monica Sokolski EIT Dillon & Davis O' Gorman P.eng MTE

Section 4: Number of Section Members (as of Dec 31, 2019)

Executive Committee Members: 12

Total members (if possible, student and non-student members): Aprox. 300 including CSCE

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

Comments:

Section 5: Section Finances (as of Dec 31, 2019)

Account balance \$ +_10,000

Does your Section charge members an annual fee? No

If so, how much? \$ NA

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes
 Is your Section aware of the CGS Lecture Supplement Program? Yes
 Is your Section planning on sponsoring a Student/MIT to attend GeoCalgary 2020 (Admin Manual App 12)? No
 Comments:

Section 6: Section Activities, July 1, 2019 to December 31, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
September 18th, 2019	Cory Jones, P.Eng.; Neegan Burnside Ltd.	Civil Engineering with Aboriginal Communities	20-35
October 23rd, 2019	Presenter: Dr. Tim Newson, P.Eng.; University of Western	Modelling of Geotechnical Structures in the New Western Drum Centrifuge	20-35
November 27th, 2019	Jean-Luc Martel, Eng., PHD.	CSCE National Lecture Tour – Climate Change : Current issues for Civil Engineering	20-35

Section 7: Additional information or comments

- We have Monthly dinner meetings planned for January to April 2020

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

*Southern Ontario (Toronto) Section
 Annual Report July 1, 2019 to June 30, 2020*

Formal Section Name: Southern Ontario Section

Section 1: General

Date of this report: July 10, 2020
 Prepared by: Billy Singh
 Section Director: Billy Singh
 End of Section Director's Term: December 31, 2020
 Section's CGS web page address: https://www.cgs.ca/section_southern_ontario.php
 Last time your Section's CGS web page was updated: 2020
 If your Section has a separate website, please provide address: <http://cgs-sos.ca/>
 Is there a link from your separate Section website to the CGS website? Yes

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

Chair: Ali Nasser-Moghaddam, Geosyntec
 Regional Director: Billy Singh, Terraprobe
 Treasurer: Matt MacIntosh, RecoCanada
 Communications: Pouya Pishgah, Thurber
 Sponsorship: Dino Vito, EBS Geotechnical
 Membership and Awards: Amir Poshnejad, Ellisdon
 Student Liaison: Rashid Bashir, York University
 Secretary: Hafeez Baba, SNC Lavalin

Event Coordinator and Registration: Junaid Khan, Hatch
Event Coordinator and Registration: Sen Hu, Wood
Event Coordinator and Registration: Aly Abdelaziz, University of Toronto
Event Coordinator and Registration: Michael Etezzad, Golder
Student Member: Sebnem Boduroglu, York University

Section 3: Current (Jan 1, 2020 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or if students, universities)

The Executive Committee currently consists of 13 volunteers, out of whom 5 members will complete their 2-year terms and retire in May 2020.

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

Section 4: Number of Section Members (as of Dec 31, 2019)

Executive Committee Members: 13

Total members (if possible, student and non-student members): Section does not have a separate chapter membership and only promotes National CGS membership

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

Comments:

- CGS-SOS LinkedIn page (<https://www.linkedin.com/company/cgs-sos/>) has about 3,500 followers
- CGS-SOS e-News has about 800 subscribers

Section 5: Section Finances (as of June 30, 2020)

Account balance	\$42,355
Does your Section charge members an annual fee?	No, Chapter does not have a separate membership to help maximize National CGS- Member ship
If so, how much?	N/A
Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)?	Yes
Is your Section aware of the CGS Lecture Supplement Program?	Yes
Is your Section planning on sponsoring a Student/MIT to attend GeoCalgary 2020 (Admin Manual App 12)?	No

Section 6: Section Activities, July 1, 2019 to June 30, 2020			
Date	Speaker/Other	Topic/Subject	Attendance
July 17, 2019	Dr. Paul Mayne, Dr. Peter Robertson, Mr. James Sharp	Summer Workshop: Geo-Characterization Using the Cone Penetration Test	114
August 16, 2019	CGS-SOS 11 th Annual; Golf Tournament		52
September 12, 2019	Dr. John Burland	A Tale of Two Towers: Big Ben and Pisa	199
October 24, 2019	Dr. Ian Moore	CCLT-Geomechanics of Trenchless Pipe Installation, Repair and Replacement	180
November 13, 2019	Dr. Jim Oswell	Several Case Histories of Pipeline Distress Induced by Landslides in North and South America	106
December 9, 2019	Mr. John Gadsby	Annual Christmas Dinner - Management of Technology	207
January 2020	Representatives from six (6) Southern Ontario Universities (Western, Waterloo, McMaster, York, Ryerson and Toronto)	Graduate Student Competition	65
February 2020	Dr. Dan Brown, Mr. Panos Andonyadis, Mr. Billy Singh, Dr. Jason Crowder, Mr. Michael Porco, Mr. Charlie Huynh, Dave Wiley	Deep Foundation Workshop	134
March 2020	Cancelled due to COVID-19		
April 2020	No event due to COVID-19		
May 2020	Dr. Mark Knight	Lessons Learned as Trenchless Litigation Expert and Designer	>300
June 2020	No event due to COVID-19		

Section 7: Additional information or comments

- CGS-SOS arranged for Professor Burland's lecture series for four local sections of CGS including Western QC (Montreal), Southern Ontario (Toronto), Northern AB & Territories (Edmonton) and Southern AB (Calgary). The events were extremely well attended, with over 500 guests attending four events.
- In collaboration with CGS national, CGS-SOS arranged a virtual lecture presented by Prof. Mark Knight on May 21, 2020
- Any other information/comment

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

CGS-SOS is encouraged to see a more pro-active approach from National CGS to work and promote better communication and liaison between various sections.

CGS-SOS wants to extend its thanks to National CGS to arrange virtual seminar hosted by CGS-SOS in the month of May which was well attended (over 300 registered)

Southeastern Ontario (Kingston) Section
Annual Report July 1, 2019 to June 30, 2020

Section 1: General

Formal Section Name: Kingston Section

Date of report: 20 July 2020

Prepared by: E. Maria Skordaki

Section Director: E. Maria Skordaki

End of Term of Director: 31 Dec 2021

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

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

If the Section has a separate website...

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

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

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)

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

Past Chair: Mr. Dylan Hill, Malroz Engineering

Vice-Chair: N/A

Treasurer: Mr. David Hodgson, Malroz Engineering Inc.

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

Section 3: Number of Section Members (as of June 30, 2020)

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

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

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

Comments (point form)

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

Section 4. Finances

As of (date): 31 October 2019

Balance: \$ ~12,000.00

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

Does your Section charge its members an annual fee? No

If so, how much?

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

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

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

Is your Section planning on sponsoring a Student/MIT to attend GeoVirtual 2020 (Admin Manual App 12)? Yes

Comments (point form)

- Our Section routinely solicits local companies (~\$200.00/year) in order to help with the operating costs of our section (primarily hosting the CCLT and Guest Speakers);

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

Section 5. Activities			
Date	Speaker/Other	Topic/Subject	Attendance
Sept. 28-Oct 2 2019	GeoSt. John's BOD Meeting		
	GeoSt. John's Women's Breakfast		
18th February 2020	Section Executive Meeting	Bozozuk Student Forum, new student member, future speaker venues	6
May 22nd 2020	44th Michael Bozozuk Student Forum (Virtual, with OGG)	Annual Student Competition between University of Ottawa, Carleton University, Queen's University and the Royal Military College of Canada. <u>Winner:</u> Ms. Maha Saleh of the University of Ottawa Shawn Hegger, from Queen's University, won the best presentation among the Kingston participants.	20
May 08 th 2020	Mark Tigchelaar	Working Smart with Ground Improvement in Ontario	28
June 10 th , 2020	David Craig and Jeff Schaeffers (organised by OGG, shared virtually with CGS Kingston Section)	Challenges in Geotechnical Drilling, Testing and Sampling	35

Section 6: Additional information or comments

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

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

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

N/A

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

*Eastern Ontario (Ottawa) Section
Annual Report July 1, 2019 to June 30, 2020*

Section 1: General

Date of this report: August 31 2020
Prepared by: Paul Simms
Section Director: Paul Simms
End of Section Director's Term: January 2021
Section's CGS web page address: <http://www.ottawageotechnicalgroup.com>
Last time your Section's CGS web page was updated:
If your Section has a separate website, please provide address:
Is there a link from your separate Section website to the CGS website? Yes/No

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

Chair: Kenton Power
Past Chair: Jules Sedano
Vice Chair:
Secretary: Bruce Campbell
Treasurer: Matt Kennedy
(Add others as necessary)
Paul Simms, CGS Rep

Section 3: Current (Jan 1, 2020 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or if students, universities)

As above

Chair:
Past Chair:
Vice Chair:
Secretary:

Section 4: Number of Section Members (as of Dec 31, 2019)

Executive Committee Members: 7

Total members (if possible, student and non-student members): 65
 Total CGS members (if possible student and non-student members): Unknown
 Comments:

Section 5: Section Finances (as of Dec 31, 2019)

Account balance \$8,000 (not including loans to CFG)
 Does your Section charge members an annual fee? Yes
 If so, how much? \$15.00
 Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes/No Yes
 Is your Section aware of the CGS Lecture Supplement Program? Yes/No Yes
 Is your Section planning on sponsoring a Student/MIT to attend GeoCalgary 2020 (Admin Manual App 12)? Yes/No Yes

Section 6: Section Activities, July 1, 2019 to December 31, 2019			
Date	Speaker/Other	Topic/Subject	Attendance
Sept. 2019	Kickoff at Beyond the Pale Brewery	None	~40
Oct 22 nd 2019	Dr. Ian Moore	CCLT	~45
Nov 20 th	Dr. Richard Amos	Coupled Processes in Ground Water	~40
Dec 4 th	Dave Shedeiras, Lheiber Canada	Drilled Shafts: Today's technology and local examples	~40
February 26 th	Stefano Marconeto, Golder Associates	Characterization and remediation of contaminated sites	~35
March 11 th	T.S. Nyugen, Canadian Nuclear Safety Commission	Long term performance of barriers in radioactive waste disposal	~40
May 13 th	Nell van Wallsum, (by zoom)	Effective strategies to manage on-line meetings	22
May 22 nd	44 th Annual Michael Bozozuk Student Forum (by zoom)	Competition involving students from Kingston and Ottawa regions (Carleton, Ottawa, Queens, RMC) Winner: Mahah Saleh, Ottawa	38
June 10 th	David Craig, ConeTec 9by Zoom)	Advance in on-site chaacterization35	35

Section 7: Additional information or comments

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

**Western Québec (Montréal) Section
 Annual Report July 1, 2019 to June 30, 2020**

Formal Section Name: (CGS-Western Quebec Section)

Section 1: General

Date of this report: 24 July 2020
 Prepared by: M. Karray, J. Lapierre and G. Saghaee
 Section Director: M. Karray
 End of Section Director's Term: December 2023

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

Section 2: Current_Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)

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

Section 3: Number of Section Members (as of July 24, 2020)

Executive Committee Members: 8
 Total members (if possible, student and non-student members): 500
 Total CGS members (if possible student and non-student members): N/A
 Does your section do anything specific to attract new members? The CGS- Western Quebec Section keeps all its dinner-conferences events free of charge for students to attract new members.
 Can the national office or newly formed Membership Committee help support your endeavours? Financial and advertisement support of national to the local chapter would help to increase the quality of the events and the number of the participants.
 Comments

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

Section 4: Section Finances (as of July 24, 2020):

Account balance 30 653 \$
 Does your Section charge members an annual fee? NO
 If so, how much? N/A
 Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes
 Is your Section aware of the CGS Lecture Supplement Program? Yes
 Is your Section planning on sponsoring a Student/MIT to attend GeoCalgary 2020 (Admin Manual App 12)? Yes

Section 5: Section Activities, July 1, 2019 to July 24, 2020			
Date	Speaker/Other	Topic/Subject	Attendance
September 2	John Burland	A Tale of Two Towers, Pisa and Big Ben	110
October 22	Ian Moore	Geomechanics of Trenchless Pipe Installation, Repair and Replacement	100
November 28	Mario Ruel	The Construction of the Old & the New St-Clair Tunnels Great Challenges 100 years apart	110
February 26	Verya Nasri	Design and Construction of the Second Avenue Subway Project in New York, A Mega Project in a Dense Urban Environment	100
June 30	Mourad Karray	Utilisation de la vitesse des ondes de cisaillement pour une meilleure caractérisation des sols cohérents	150
July 16	Students	Concours Branko Ladanyi	60

Section 6. Additional information or comments

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

Considering the COVID 19 situation which all our events are online, it would be helpful if the CGS national can provide the local sections with a professional online presentation platform.

Eastern Québec (Québec) Section Annual Report July 1, 2019 to June 30, 2020

Formal Section Name: Eastern Québec (Québec) Section

Section 1: General

Date of this report: July 13 2020

Prepared by: Ariane Locat

Section Director: Ariane Locat

End of Section Director's Term: 2022

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

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)

Chair:	Julie Therrien, MTQ
Secretary:	Sarah Bouchard, MTQ
Communications :	Sandra Veillette, MTQ
Treasurer:	Thomas Fournier, MTQ, and Jonathan Leblanc, SNC-Lavalin Québec
Student representative:	Frédérique Tremblay-Auger, PhD student Université Laval
Section director :	Ariane Locat, Université Laval
VP scholarships	Catherine Cloutier, MTQ
VP Info-lettre	Valérie Michaud, SNC-Lavalin Saguenay
VP logistique	Kevin Hébert, Université Laval
Technical committee	Olivier Juneau, LEQ Pierre-Oliver Maltais, WSP Tremblay, Shawn, Englobe
Member	Pierre-Olivier Dionne, GHD

Section 3: Number of Section Members (as of June 30, 2020)

Executive Committee Members: 14

Total members (if possible, student and non-student members): 146

Total CGS members (if possible, student and non-student members): 48

Does your Section do anything specific to attract new members? Can the National Office or newly formed Membership Committee help support your endeavours?

Comments:

- The total members number is based on the total number of members on the members list from the CGS website
- Total CGS members number is the total number of active members on the members list from the CGS website

Section 4: Section Finances (as of June 30, 2020)

Account balance \$ 36 116.87

Saving account balance \$ 60 075.00

Total \$ 96 191.87

Does your Section charge members an annual fee? No

If so, how much? \$

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

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

Is your Section planning on sponsoring a Student/MIT to attend GeoVirtual 2020 (Admin Manual App 12)? No

Comments:

- Despite our best effort to announce the competition, no student or member in training applied to our student competition for the sponsorship to go to Calgary.

Section 5: Section Activities, July 1, 2019 to June 30, 2020			
Date	Speaker/Other	Topic/Subject	Attendance
23 September 2019	Norbert R. Morgenstern	Geotechnical Risk, Regulation, And Public Policy	48
23 October 2019	Ian Moore	Some Days The Earth Doesn't Stand Still: Pipeline Response To Imposed Ground Movement	17
19 November 2019	Mourad Karray	La Vitesse Des Ondes De Cisaillement - Le Paramètre D'avenir En Géotechnique	68
10 December 2019	Frédérique Tremblay-Auger, Lamine Boumaiza et Vincent Castonguay	Student presentation event : Presentation 1 : Modélisation numérique de la rupture progressive : le cas du glissement de Saint-Fabien de 1976 Presentation 2 : Determining relative blocks structure rating in the cas of non-orthogonal joint sets Presentation 3: Est-ce que l'anisotropie des sols devrait empêcher un jeune ingénieur en géotechnique de dormir la nuit?	24
21 January 2020	Hubert Guimont	Contrôle des tassements à l'aide de colonnes à module contrôlé (CMC) – Différentes études de cas (remblais routier, bâtiments, réservoirs et éoliennes)	62
18 February 2020	Benoît Latapie	L'intégration de l'ingénieur géotechnicien au Coeur des équipes multidisciplianires de génie	59
10 March 2020	Kathy Kalenchuk (2019 Colloquium)	Mitigating A Fatal Flaw In Modern Geomechanics: Understanding Uncertainty, Applying Model Calibration, And Defying The Hubris In Numerical Modeling	23
30 April 2020	Marc Smith	Conception Et Construction De Grands Barrages En Remblai (presentation offered online to all CGS members)	225
11 June 2020	Patrick Béland and François Jean Blouin	Reconstruction Du Déversoir Voûte De Saint-Alban (presentation offered online to all CGS members)	192

Section 6: Additional information or comments

- Our conferences are webcast at 4 different locations in the eastern Quebec region. We give certificates of attendance only to active members of the CGS.

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

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

Section régionale de l'Est-du-Québec
Rapport annuel du 1^{er} juillet 2019 au 30 juin 2020

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

Section 1: Généralité

Date du rapport: 13 juillet 2020

Préparé par: Ariane Locat

Directeur régional: Ariane Locat

Fin du mandat du directeur : 2022

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

Section 2: Membres actuels (1 janvier, 2020-31 décembre, 2020) de l'exécutif et leur affiliation (employeur ou, si étudiants, leur université) – ceux-ci seront publiés sur le site web de votre section

Présidente: Julie Therrien, MTQ

Secrétaire: Sarah Bouchard, MTQ

Communications : Sandra Veillette, MTQ

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

Représentante étudiante : Frédérique Tremblay-Auger, PhD student Université Laval

Directrice de section : Ariane Locat, Université Laval

VP Bourses Catherine Cloutier, MTQ

VP Info-lettre Valérie Michaud, SNC-Lavalin Saguenay

VP Logistique Kevin Hébert, Université Laval

Comité technique Olivier Juneau, LEQ
Pierre-Oliver Maltais, WSP

Tremblay, Shawn, Englobe

Membre Pierre-Olivier Dionne, GHD

Section 3: Nombre de membres de la section (en date du 30 Juin, 2020)

Membre du comité exécutif: 14

Membres total (si possible, membres étudiants et non-étudiants) : 146

Membre de la SCG (si possible, membres étudiants et non-étudiants) : 48

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

Commentaires (sous forme de points)

- Le nombre total de membres est trouvé à partir du nombre total de membres sur la liste des membres du site web de la SCG.
- Le nombre total de membres de la SCG est le nombre total de membres actifs sur la liste des membres du site web de la SCG.

Section 4: Finances (en date du 30 juin, 2020)

Solde du compte \$ 36 116.87

Solde du compte d'épargne \$ 60 075.00

Total \$ 96 191.87
 Est-ce que votre section facture des frais annuels? Non
 Si oui, combien? \$
 Est-ce que votre section est au courant que la SCG peut apporter une assistance financière aux sections? Oui
 Est-ce que votre section est au courant du programme de supplément de conférence de la SCG? Oui
 Est-ce que votre section planifie commanditer un étudiant pour assister à la conférence GeoVirtual 2020 (Admin Manual App 12)? Non

Commentaires:

- Malgré nos efforts importants pour annoncer et promouvoir la bourse, aucun étudiant ou de membre en formation n'a appliqué pour la bourse donnant accès à l'évènement GeoVirtual 2020.

Section 5: Activités de la section, 1^{er} juillet, 2019 au 30 juin, 2020			
Date	Présentateur	Titre/Sujet	Présence
23 Septembre 2019	Norbert R. Morgenstern	Geotechnical Risk, Regulation, And Public Policy	48
23 Octobre 2019	Ian Moore	Some Days The Earth Doesn't Stand Still: Pipeline Response To Imposed Ground Movement	17
19 Novembre 2019	Mourad Karray	La Vitesse Des Ondes De Cisaillement - Le Paramètre D'avenir En Géotechnique	68
10 Décembre 2019	Frédérique Tremblay-Auger, Lamine Boumaiza et Vincent Castonguay	Présentations des étudiants boursiers : Présentation 1 : Modélisation numérique de la rupture progressive : le cas du glissement de Saint-Fabien de 1976 Présentation 2 : Determining relative blocks structure rating in the cas of non-orthogonal joint sets Présentation 3 : Est-ce que l'anisotropie des sols devrait empêcher un jeune ingénieur en géotechnique de dormir la nuit?	24
21 Janvier 2020	Hubert Guimont	Contrôle des tassements à l'aide de colonnes à module contrôlé (CMC) – Différentes études de cas (remblais routier, bâtiments, réservoirs et éoliennes)	62
18 Février 2020	Benoît Latapie	L'intégration de l'ingénieur géotechnicien au Coeur des équipes multidisciplinaires de génie	59
10 Mars 2020	Kathy Kalenchuk (2019 Colloquium)	Mitigating A Fatal Flaw In Modern Geomechanics: Understanding Uncertainty, Applying Model Calibration, And Defying The Hubris In Numerical Modeling	23
30 Avril 2020	Marc Smith	Conception Et Construction De Grands Barrages En Remblai (presentation offered online to all CGS members)	225
11 Juin 2020	Patrick Béland and François Jean Blouin	Reconstruction Du Déversoir Voûte De Saint-Alban (presentation offered online to all CGS members)	192

Section 6: Informations supplémentaires et commentaires

- Nos conférences sont diffusées sur le web à 4 endroits différents dans la région de l'est du Québec. Nous donnons des attestations de présence uniquement aux membres actifs de la SCG.

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

Planifiez-vous assister à la rencontre des directeurs à l'automne, qui sera tenue de façon virtuelle en septembre ? Oui

***New Brunswick (Fredericton) Section
Annual Report July 1, 2019 to June 30, 2020***

Section 1: General

Date of this report: 9/1/20
Prepared by: Chris McQueen
Division Chair: Chris McQueen
End of Division Chair's Term: 12/31/20

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

- Increase membership
- Increase number of functions with CSCE
- Transition to new executive committee

Section 2: Current (as of January 1, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities, these will be posted on your Division webpage)

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

Section 3: Number of Division Members (as of June 30, 2020)

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

Comments

- Limited interaction since COVID-19 as our members are spread out in three cities.

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

If yes: No

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

•

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

•

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

•

Comments

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

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

Account Balance: \$ 339.77

Comments

•

Section 6: Division Activities in past year (July 1, 2019 to June 30, 2020)

- No lecture tour stop in the fall. Partook in Halifax web presentation

Section 7: Additional information or comments

•

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

None at this time.

Are you planning to attend any Geo Virtual events? Yes / No

Yes, if schedule permits.

*Nova Scotia (Halifax) Section
Annual Report July 1, 2019 to June 30, 2020*

Section Name: Nova Scotia (Halifax) Section

Section 1: General

Date of report: July 17, 2020

Prepared by: Ilia Wainshtein

Committee Chair: Ilia Wainshtein

End of Committee Chair's Term: December 31, 2021

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

We do not have a formal mission statement.

2) List one, or two or three (or more) specific things that your Committee will be working on, or wishes to accomplish, during the next CGS year (July 1, 2020 to June 30, 2021).

- Increase membership
- Offer a number of seminars and webinars
- Cooperation and participation in professional development opportunities presented by Dalhousie University
- Increase cooperation with the CGS Dalhousie University Student Chapter
- Engage younger engineers and get them involved in the Section Committee and Section's activities
- Update Section's website

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your CGS Committee webpage)

Chair: Ilia Wainshtein (Wood)

Past Chair: Sheri Burton (Golder Associates)

Vice Chair: Vince Goreham (Harbourside Geotechnical Consultants)

Secretary: TBD

Members at large: Brian Walker (exp), Justin Matthew (Stantec), Matt Davidson (Wood), Greg Healy (Stantec)

Section 3: Number of Committee Members (as of June 30, 2020)

Executive Committee Members: 6

Total members: 50

Comments:

-

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

If yes:

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

-

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

-

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

-

Comments:

-

Section 5: Committee Finances (as of June 30, 2020)

Account Balance: \$ 16,546.47

Comments:

-

Section 6: Committee Activities in past year (July 1, 2019 to June 30, 2020)

- October 21, 2019 - Dr. Ian Moore – Fall 2019 CCLT – Geomechanics of Trenchless Pipe Installation, Repair and Replacement (36 attendees)
- February 14, 2020 - Dr. Ian Fleming - Full-Scale Loading Tests under Controlled Conditions for Geogrid-Stabilised Working Platforms or Heavy-Haul Roads (Organizer: CGS Dalhousie University Student Chapter)
- March 11, 2020 – Dr. Kathy Kalenchuk - 2019 CGS Colloquium Lecture Series - Mitigating a Fatal Flaw in Modern Geomechanics: Understanding Uncertainty, Applying Model Calibration, and Defying the Hubris in Numerical Modelling (25 attendees)

Section 7: Additional information or comments

-

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

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

***Newfoundland and Labrador (St. John's) Section
Annual Report July 1, 2019 to June 30, 2020***

Section 1: General

Date of this report:

September 6, 2020

Prepared by:

Andrew Peach

Section Director:

Andrew Peach

End of Section Director's Term:

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

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)

Chair: Andrew Peach - Golder Associates Limited
 Past Chair: Rajib Dey - Stantec
 Vice Chair:
 Secretary: Shawn Russel - Gemtec Consulting Engineers and Scientist Limited
 (Add others as necessary)

Section 3: Number of Section Members (as of June 30, 2020)

Executive Committee Members: 02
 Total members (if possible, student and non-student members): 80
 Total CGS members (if possible, student and non-student members):
 Does your Section do anything specific to attract new members? Can the National Office or newly formed Membership Committee help support your endeavours?

Comments:

- We always try through our events to attract new members and encourage students to become members
- COVID-19 has had an impact on current activities and recruiting opportunities.
- Can the Membership Committee organize/facilitate the share of technical webinars between the various Sections?

Section 4: Section Finances (as of June 30, 2020)

Account balance \$44,209.92
 Does your Section charge members an annual fee? No
 If so, how much? N/A
 Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? No
 Is your Section aware of the CGS Lecture Supplement Program? No
 Is your Section planning on sponsoring a Student/MIT to attend GeoVirtual 2020 (Admin Manual App 12)? No

Comments: Please send the details of these various programs and opportunities.

•

Section 5: Section Activities, July 1, 2019 to June 30, 2020			
Date	Speaker/Other	Topic/Subject	Attendance
Geo St John's 2019	Local CSG members	local organizing committee meetings and discussion on conference theme, venue, technical session etc.	10 – 20
September 27, 2019	Ahren Bichler, Trumer Schutzbauten Canada.	“Standard Approach to Rockfall Fence Design” (in person Lunch & Learn)	35 (in person)
October 21, 2019	Dr. Ian Moore	“Geomechanics of Trenchless Pipe Installations, Repair, and Replacement” CGS Fall 2019 Cross Canada Lecture (Skype Webcast Presentation)	30 (in person)
December 13, 2019	Geoff Eichhorn. PhD. Candidate Cambridge University	“Imaging of Landslide-Pipeline Interaction in Four Directions” (in person presentation)	30 (in person)

Section 6: Additional information or comments

- No activities plan since March due to COVID-19.
- Local professional development opportunities that are offered by PEGNL are also send out to the Section membership.

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

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

TECHNICAL DIVISION REPORTS

Technical Divisions Representative Summary Annual Report – Dave Gauthier

General

The summary table appended to this report captures key information and updates for each division/committee.



CGS Divs-Comms
Summary Table 2020

Reports

Divisions: Three of seven Division reports were received and reviewed. Details are included in the summary table.

Committees: Six of eight Committee reports were received and reviewed. Details are included in the summary table.

Boards: A report was not received for the Geotechnical Research Board.

Awards

Recipients of all awards and medals administered by the Divisions and Committees have been notified. Details of each are included in the appended table.

Finances

No specific update to report. Only Cold Regions has its own budget line; discretionary funds available to select others.

Affiliations

Formal affiliations for each Division and Committee are reported in the appended table. It is expected that other informal affiliations also exist.

Additional Information

1. The Soil Mechanics and Foundations Division Chair is currently vacant. Other members of the Division have administered the ISSMGE reviews (Andrea Loughheed) and the Meyerhoff Award nomination (Mohmaed Meguid). Interim leadership for annual meetings and identifying the next chair is required.

2. It has been proposed that virtual annual meetings of the Divisions and Committees be held in the weeks following the virtual GeoCalgary conference.

Cold Regions Geotechnology Division Annual Report July 1, 2019 to June 30, 2020

Division Name: Cold Regions Geotechnology

Section 1: General

Date of this report: August 18th 2020

Prepared by: Ryley Beddoe

Division Chair: 2019 – Jack Seto, 2020 – Ryley Beddoe

End of Division Chair's Term: December 31, 2022

1) List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during the next year (2020/2021)?

- Encourage active participation of members in GeoVirtual, and other online cold regions conferences in the coming year
- Promote and encourage discounted membership for CGS members to the Canadian Permafrost Association
- Provide information, news and updates related to cold region engineering topics 1st and 2nd choice members in an engaging and ongoing manner

Section 2: Current (as of January 1, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Division webpage)

Chair: Ryley Beddoe, Royal Military College, Kingston, ON
 Past Chair: Jack Seto, BGC Engineering Inc., Edmonton, AB
 Vice Chair:
 Secretary:
 Members: Marolo Alfaro, University of Manitoba, Winnipeg, MB
 Simon Dumais – Université Laval, Québec City, QC
 Ed Hoeve – HovEng Consulting Ltd., Yellowknife, NT
 Julie Malenfant-Lepage, Université Laval, Québec City, QC
 Heather Brooks, Université Laval, Québec City, QC

Section 3: Number of Division Members (as of June 30, 2020)

Executive Committee Members: 7
 1st Choice members (can be obtained from Lisa):
 2nd Choice members (can be obtained from Lisa):
 Comments:

-

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

If yes:

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

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

-

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

- The ASCE Cold Regions Division Liaison, represented by Heather Brooks (also a member of the CRGD executive committee)

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

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

Section 5: Division Finances (as of June 30, 2020)

Account Balance: \$12,776

Comments:

-

Section 6: Division Activities in past year (July 1, 2019 to June 30, 2020)

- Implemented a membership combination with the Canadian Permafrost Association (CPA), whereby CGS members can renew both memberships at once (through the CGS) and receive a \$10 discount to their CPA membership.
- Supported the CPA's bid for Canada to host the International Permafrost Conference in Whitehorse in 2024. The bid was successful (announced in June), and the CRGD is excited to help the ICOP2024 in promotion, technical expertise, as committee members, etc.
- Selected the 2020 Roger JE Brown recipient

Section 7: Additional information or comments

•

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

- . Given that there is not a chance to host a Division meeting in person at the conference as per usual in order to reach out to our membership group, I'm hoping there will be an opportunity to reach out directly to our 1st and 2nd choice members with updates for CRGD and other cold region engineering news and information. How do we go about doing/accessing this distribution list?

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

***Engineering Geology Division
Annual Report July 1, 2019 to June 30, 2020***

Division Name: Engineering Geology Division

Section 1: General

Date of report: 10 August 2020

Prepared by: Stephen Butt

Division Chair: Stephen Butt

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

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

Last time your Division's CGS web page was updated: April 2020

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

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

List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during CGS year (2020/2021).

- Young Members Initiatives. A proposal to fund participation of students to CGS conferences will be put forward to make it more affordable and accessible, including options from local chapter sponsorship.
- Engineering Geology in Canada website /on-line Monograph
- Define Engineering Geology (and associated branches etc.) and harmonize this definition with provincial, national and international standards.
- Following the above, proactively engage in defining Engineering Geology and scope of practise with professional organization. The Exec of the EGD is currently working on a response to PEGNL as part of this work which will be reported in the next report.
- Evaluate a potential name change of the division to include Geological Engineering, as part of defining the division membership and their scope of practices.
- Engage more youth and get them involved in the Executive and Divisional activities.

- Proactively solicit nominations for EG awards including Thomas Roy Award, Hans Cloos Medal, Richard Wolters Prize, etc...

Section 2: Current (as of January 1, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities (these will be posted on your Division webpage) – confirmed at CGS2019 AGM

Chair: **Stephen Butt**, Memorial University, Newfoundland (**started 01 Jan 2019**)
 Past Chair: **Nicholas Vlachopoulos**, Royal Military College of Canada, Ontario
 Vice Chair: **Andrew Peach**, Golder Assoc. Ltd, Newfoundland
 Secretary: **Eliane Cabot**, Wood PLC, Mississauga
 Members-at-Large: **Renato Macciotta**, University of Alberta, Alberta
 David Wood, D. F. Wood Consulting, Sudbury
 Brad Forbes, Young Professional Representative on EGD Executive, PhD Student, Queen's University, bradforbes1@gmail.com

Section 3: Number of Division Members (as of 30 June 2020)

Executive Committee Members: 7
 1st Choice members: 120 Needs to be updated from current CGS records
 2nd Choice members: 307

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

National Affiliates:

- Association of Geohazard Professionals <http://www.geohazardassociation.com/>
- Canadian Federation of Earth Scientists (CFES, <http://earthsciencescanada.com/cfes/>) (Nicholas Vlachopoulos, CGS Representative)
- North American affiliates: - AEG for the Engineering Geology Division www.aegweb.org/
- Environmental and Engineering Geology Division GSA www.geosociety.org/egd/

International Affiliates:

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

Section 5: Division Finances (as of June 30 2020)

Account Balance: \$8,836.00. needs to be updated including net revenues from the Bedrock mapping short course, Comments (point form)

- Selected funding toward on-line arrangement of Engineering Geology in Canada website /on-line Monograph to be considered in 2020
- Funding for young members initiatives also to be considered in 2020
- Funding in support of Short Course at CGS2020 Calgary being considered.

Section 6. Division Activities in past year (July 1, 2019 to June 30, 2020) (point form)

- **Dr. Nicholas Vlachopoulos, Royal Military College**, was awarded the Thomas Roy Award for 2019 at the CGS2019 in St. John's.
- A Bedrock Mapping Short Course co-ordinated jointly between the Rock Mechanics Division and the Engineering Geology Division was held at the CGS2019 in St. John's in Sept, 2018. Dr. Stephen Butt was one of 3 teachers for the course (along with Maureen Matthew and Gabriele Mellies of Stantec) which was well attended with about 20 participants.

- During the EGD Executive meeting at the CGS AGM 2019 was attended by 16 members and the following were reviewed:
 - Presentation of EGD Annual Report
 - Collaboration with other CGS Divisions / Committees
 - Define Engineering Geology (and associated branches etc.) and harmonize this definition with provincial, national and international standards.
 - Evaluate a potential name change of the division to include Geological Engineering, as part of defining the division membership and their scope of practices.
 - Initiatives to increase visibility and profile.
 - Monograph – Geological Engineering in Canada – Status Update / input
 - **Many attendees were from the Rock Mechanics Division, therefore these AGMs should not occur simultaneously in the future.**
- The EGD Executive solicited nominations for the Thomas Roy Award for 2020 at CGS2020. The recommendations will be forwarded to the CGS Exec in July, 2020 and the recipient will be announced at that conference.
- Vice-Chair **Andrew Peach** is conducting a study into defining Engineering Geology. The Association of Professional Engineers and Geoscientists of Newfoundland and Labrador or PEGNL has recently undertaken an initiative to define the scope of practice for Geotechnical Engineers, Geological Engineers and Engineering Geologists. Their goal is to provide clarity on overlapping scopes of practice as well as to determine what might be considered restricted scopes of practice specific to each discipline. As such, EGD has reached out to international bodies and national ones in an attempt to standardize such definitions.
- Following the above, the EGS Exec is currently preparing a response to PEGNL and co-ordinating with affiliated bodies regarding a call for feedback on a draft “Guideline for Provision of Engineering Services for Commercial/Institutional Construction”. Updates will be provided in the next Divisions report.
- A sub-group within EGD, chaired by Member-at-Large **David Wood**, is looking at a name change for EGD to include Geological Engineering as a means of being inclusive of the membership and to assist with defining the professional practice of the members. The findings of this group will be presented at the 2020 EGD meeting in Calgary.

Section 7. Additional information or comments (point form)

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

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

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

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

Geoenvironmental Division
Annual Report July 1, 2019 to June 30, 2020

Division Name: GeoEnvironmental Division

Section 1: General

Date of this report: August 5, 2020

Prepared by: Magdalena Krol

Division Chair: Magdalena Krol

End of Division Chair’s Term: December 2020

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

1) List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during the next year (2020 / 2021)?

- Increase number of members
- Increase submission to annual conferences

Section 2: Current (January 1 – Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities, these will be posted on your Division webpage)

Chair: Magdalena Krol, York University

Past Chair: Craig Lake, Dalhousie University

Vice Chair: Vincent Martin, Polytechnique Montréal

Secretary: Asad Abdullah, York University

Member At Large: Catherine Mulligan, Concordia

Ex-officio member: Tim Newson, Western

Ex-officio member: Paul Simms, Carleton

Ex-officio member: Richard Brachman, Queens

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

Executive Committee Members: 4+3

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

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

Comments (point form)

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

•

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

If yes:

National affiliates and name(s) of CGS representative(s) No

•

North American affiliates and name(s) of CGS representative(s) NO

•

International affiliates and name(s) of CGS representative(s) NO

•

Comments:

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

Account balance \$

Section 6: Division Activities in past year (July 1, 2019 to June 30, 2020)

- Annual division meeting during GeoStJohn
- Selection of GeoEnvironmental award

Section 7: Additional information or comments

•

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

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

Geosynthetics Division
Annual Report July 1, 2019 to June 30, 2020

Division Name: Geosynthetics

Section 1: General

Date of this report: July 15, 2020
Prepared by: René Laprade, P. Eng.
Division Chair: René Laprade, P. Eng.
End of Division Chair's Term: December 31, 2020

1) List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during the next year (2020/2021)?

- Develop a short course on geosynthetics for GeoNiagara 2021. Request to offer course has been made to GN 2021 Organizing Committee. Awaiting response from Masoud Manzari.

Section 2: Current (as of January 1, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Division webpage)

Chair:
Past Chair: Richard Brachman, Queen's University
Vice Chair: TBD
Secretary:
(Add others as necessary) Kerry Rowe, Queen's University

Section 3: Number of Division Members (as of June 30, 2020)

Executive Committee Members:
1st Choice members (can be obtained from Lisa): 32
2nd Choice members (can be obtained from Lisa): 166
Comments:
• Numbers are down noticeably from 2019 (54 & 197)

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

If yes:
National affiliates and name(s) of CGS representative(s)
North American affiliates and name(s) of CGS representative(s)

- IGS – North America
-

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

- International Geosynthetics Society

Comments:

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

Section 5: Division Finances (as of June 30, 2020)

Account Balance: \$

Section 6: Division Activities in past year (July 1, 2019 to June 30, 2020)

- Held division meeting at GeoStJohn's

- Received nominations for 2020 Geosynthetics Award. Selection Committee (Richard Bathurst-Queen's, Marolo Alfaro-U of M, Greg Siemens-RMC)

Section 7: Additional information or comments

- Received expressions of interest from several candidates for the position of Chair – Geosynthetics Division for 2021-23. Plan on submitting candidates to Geosynthetics Executive Committee for selection in Q3 2020.

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

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

*Groundwater Division
Annual Report July 1, 2019 to June 30, 2020*

Division Name: Groundwater Division (GWD)

Section 1: General

Date of this report: 20-07-2020

Prepared by: Jasmin Raymond

Division Chair: Jasmin Raymond

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

1) List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during the next year (2020/2021)?

The division needs to fill up its website and put content online.

Section 2: Current (as of January 1, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Division webpage)

Chair: Jasmin Raymond

Past Chair: Frank Magdich

Vice Chair: François Duhaime

Secretary: Vacant

Section 3: Number of Division Members (as of June 30, 2020)

Executive Committee Members: I assume the same as last year, so around 47, but I have not seen the new numbers

Comments:

- Members of the GWD are CGS members that indicated the GWD as their first choice when registering to the CGS.

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

If yes:

- International Association of Hydrogeologists – Canadian National Chapter.

Comments:

- The CGS-GWD is affiliated to the Canadian National Chapter of the International Association of Hydrogeologists (IAH-CNC). The GWD chair is a non-voting member of the Executive of the IAH-CNC and, likewise, the chair of the IAH-CNC is a non-voting member of the Executive Committee of the GWD.

Section 5: Division Finances (as of June 30, 2020)

Account Balance: 0 \$

Comments:

- The GWD does not require an annual fee and have no budget for operations. The GWD relies on volunteers to organize activities of interest to the scientific community concerned with groundwater.

Section 6: Division Activities in past year (July 1, 2019 to June 30, 2020)

- The principal joint activity of the GWD and the IAH-CNC is the organization of Joint CGS and IAH-CNC Conferences, with the next one that will be held in Niagara Falls during 2021. We hope this conference will take place in person after the GeoVirtual conference planned for September 2020. We are looking to have dynamic groundwater sessions at the GeoVirtual conference organized in the context of the pandemic and we will do the annual meeting of the CGS-GWD virtually. The last CGS meeting was organized in St. John's without the IAH-CNC. However, there were several sessions linked to hydrogeology and sustainable geotechnics for which the CGS-GWD helped to review abstracts. The annual meeting of the GWD was held during this conference. A new Vice Chair, François Duhaime, was also recruited for the GWD during the GeoSt John's Meeting. François is a professor at École de Technologie Supérieure and a long-lasting collaborator of Robert Chapuis, a retired professor at Montréal Polytechnique who was editing the groundwater section for the Canadian Geotechnics Magazine when published in its old format. François has agreed to continue Robert's work and be the editor of a groundwater section in the new Canadian Geotechnics Magazine.

Section 7: Additional information or comments

- The CGS shares the Robert N. Farvolden Award with the IAH-CNC, for which candidatures were due on March 1st. During the past half year, potential candidates were contacted to stimulate submission of candidatures for the Farvolden Award, which resulted in 2 excellent files to examine: Dave Rudolph and René Therrien. A meeting was held with IAH and the award was given to Dave Rudolph. René Therrien was encouraged to improve its candidature for next year competition. During this meeting, the Early Career Hydrogeology Award was also attributed to Jana Levison.

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

No

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

Rock Mechanics Division
Annual Report July 1, 2019 to June 30, 2020

Division Name: Rock Mechanics Division

Section 1: General

Date of this report: July 17, 2020

Prepared by: Mohsen Nicksiar

Division Chair: Mohsen Nicksiar

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

1) List one, or two or three (or more) specific things that your Division will be working on, or wishes to accomplish, during the next year (2020/2021)?

- Finding the new division chair (the communication has been done and a shortlist is prepared);
- Pending pandemic update, have the RocEng2021 seminar in Kingston, on August 2021.

Section 2: Current (as of January 1, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Division webpage)

Chair: Mohsen Nicksiar (SNC-Lavalin Inc)

Past Chair: Sam Proskin (Thurber Engineering Ltd.)

Vice Chair: N/A

Secretary: Eliane Cabot (Wood Group)

Charlie Harrison (Knight Piésold Ltd.)

Erik Eberhardt (University of British Columbia)

Brad Forbes (Queens University)

Andre Bom (Golder Associates)

Jin Dong Du (SNC-Lavalin Inc.)

Charles Hunt (McMillen Jacobs Associates)

Li Li (Polytechnique Montreal)

Matthew Perras (York University)

Giovanni Grasselli (University of Toronto)

Section 3: Number of Division Members (as of June 30, 2020)

Executive Committee Members:

1st Choice members (can be obtained from Lisa): 68

2nd Choice members (can be obtained from Lisa): 177

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

If yes:

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

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

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

•

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

- Mohsen Nicksiar (RMD) and Sam Proskin (RMD/CARMA) collaborating with Laura Pyrak-Nolte (ISRM VP North America).

Section 5: Division Finances (as of June 30, 2020)

Account Balance: N/A \$

Comments:

- RMD relies mainly on CARMA for funding.

Section 6: Division Activities in past year (July 1, 2019 to June 30, 2020)

- Planning for RockEng 2020 that was cancelled due to COVID-19 and postponed to 2021.

Section 7: Additional information or comments

•

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

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

Division Name: Soil Mechanics and Foundations Division

Section 1: General

Date of this report: February 29, 2020

Prepared by: Dipanjan Basu, Chair

Division Chair: Dipanjan Basu

End of Division Chair's Term: December 2020

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

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

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

Is there a link from your separate Division website to the CGS website?: N/A

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

Major task ahead is the review of the abstracts and papers of the ICSMGE Sydney 2021.

We will also work on building a sound and active executive committee.

We plan to provide articles for Geotechnical News (now Canadian Geotechnique) from our committee members.

Section 2: Current (as of January 1, 2020) Executive Committee Members and their Affiliations (employers or if students, universities)

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

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

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

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

Other Members:

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

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

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

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

Abouzar Sadrekarimi, Western University [asadrek@uwo.ca]

Section 3: Number of Division Members (as of June 30, 2020)

Executive Committee Members: 9

1st Choice members (can be obtained from Lisa): 681

2nd Choice members (can be obtained from Lisa): 223

Comments: I would like to add one or two more executive committee members.

- Jeff Lam was erroneously included as a member of the Executive Committee in earlier reports. He was never a part of the committee.

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

If yes:

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

•

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

•

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

Section 5: Division Finances (as of June 30, 2020)

Account Balance: \$

Section 6: Division Activities in past year (July 1, 2019 to June 30, 2020)

- G.G. Meyerhof Award – 2019 award was presented to Dr. Alex Sy at the GeoSt.John's 2019 Conference.

Section 7: Additional information or comments

-

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

COMMITTEE REPORTS

Education Committee Annual Report July 1, 2019 to June 30, 2020

Committee Name: Education Committee

Section 1: General

Date of report: July 1, 2019 to June 30, 2020

Prepared by: Pooneh Maghoul

Committee Chair: Pooneh Maghoul

End of Committee Chair's Term: December 31, 2022

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

The mandate of the Education Committee is to identify and address issues and problems concerning all aspects of the continuing education of society members as well as promoting Equity, Diversity, and Inclusion (EDI) practices in the Geotechnical Engineering field.

The Education Committee is also concerned with the involvement of students in the Society, as well as the geotechnical education at Canadian universities.

In-line with Engineers Canada's 30 by 30 initiatives, we would also like to attract more female students to Geotechnical Engineering by proposing K-12 activities, especially for girls.

2) List one, or two or three (or more) specific things that your Committee will be working on, or wishes to accomplish, during the next CGS year (July 1, 2020 to June 30, 2021).

EDI Education: A virtual workshop on EDI by Lisa Willis (UofA) has been confirmed. The seminar can be offered virtually in August/September/or October.

Diversity & Inclusion (D&I) Sub-Committee.

K-12 Activities: brainstorming and preparing a plan.

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your CGS Committee webpage)

Chair: Pooneh Maghoul, The University of Manitoba

Past Chair: Tareq Salloum, Ontario Power Generation Inc.

Vice Chair: Vacant

Secretary: Vacant

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

Chair CFG Fellowship Selection: Paul Simms, Carleton University

Members:

- Ariane Locat, Laval University
- Nicholas Vlachopoulos, Royal Military College of Canada
- E. Maria Skordaki, Royal Military College of Canada
- Ahmed Fahmy, Golder Associates
- Mecckey El Sharnouby, Atlantic Industries Limited
- Ramy Saadeldin, Stantec

Cheng Lin, University of Victoria
Adam Sevi, Norwich University
Ryley Beddoe, Royal Military College of Canada

Section 3: Number of Committee Members (as of June 30, 2020)

Executive Committee Members: 10

Total members: N/A

Comments: N/A

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

If yes:

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

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

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

Comments:

Section 5: Committee Finances (as of June 30, 2020)

Account Balance: N/A

Comments: I wonder if it is possible to allocate some funding for training and K-12 activities.

Section 6: Committee Activities in past year (July 1, 2019 to June 30, 2020)

- CGS Student Chapters (inaugural)
- Interview with Canadian Legends initiative
- Canadian Foundation for Geotechnique Graduate Student Award at Master's Level.
- Canadian Foundation for Geotechnique National Graduate Scholarship
- GeoJeopardy
- In collaboration with Young Professional Representative, the announcements for the ISSMGE Bright Spark Lecture Award & the ISSMGE Young Outstanding Geotechnical Engineer Award were distributed.

Section 7: Additional information or comments

- I wonder if it is possible to allocate some funding for training and K-12 activities.

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

N/A

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

Heritage Committee
Annual Report July 1, 2019 to June 30, 2020

Committee Name: Heritage

Section 1: General

Date of report: August 15, 2020

Prepared by: Heinrich Heinz

Committee Chair: Heinrich Heinz

End of Committee Chair's Term: December 2020

Committee's CGS web page address: http://cgs.ca/virtual_archives_overview.php (the Heritage Committee looks after the Canadian Geotechnical Virtual Archives, through Committee Member Doug Vandine with help from Lisa Reny)

Last time your Committee's CGS web page was updated: June 2020 (Women in Canadian Geotechnique page)

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

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

1) If you previously have not provided the following, what is the mission statement, or main purpose, of your Committee.

"The purpose of the Heritage Committee is the promotion of awareness of the history of geotechnique in Canada" (undergoing review)

2) List one, or two or three (or more) specific things that your Committee will be working on, or wishes to accomplish, during the next CGS year (July 1, 2020 to June 31, 2021).

- Helping LOC organize a Special Heritage Session at GeoVirtual2020
- Augmenting the Canadian Legends series with more interviews done by the Education Committee, collaboration with GEOSTRATA and recovery of the 1980s interviews in the UofA Archives
- Implementing an "International Page" with international contributions to Canadian geotechnique
- Continuing to populate the Virtual Archives with contributions from CGS Members
- Contributing articles to Canadian Geotechnique

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or if students, universities)

Chair: Heinrich Heinz (Thurber Engineering)

Past Chair: David Cruden (University of Alberta)

Vice Chair: Jacques Locat (Université Laval)

Secretary: Vacant

Andrea Loughheed, BGC Engineering, Vancouver

Suzanne Lacasse, Norwegian Geotechnical Institute, Oslo

Lijun Deng, University of Alberta, Edmonton

Jorn Landva, BGC Engineering, Halifax

Fred Matich, MAJM Corporation Ltd., Toronto

Doug Vandine, Vandine Geological Engineering Ltd.

Peter Wu, Reinforced Earth Co. (semi-retired) – joined in 2019

Rajib Dey, Stantec, Toronto – joined in 2019

Section 3: Number of Committee Members as of June 30, 2020) Executive Committee Members and their Affiliations (employers or if students, universities)

See Section 2 above

Comments:

- A few individuals collaborate with of the Heritage Committee on an occasional basis and are not listed as members. Among these are Mustapha Zergoun (Thurber Engineering Vancouver), Andrew Corkum, (Dalhousie University), Richard Gervais (Independent Consultant, Montréal), Melissa Ruel (CN, Montréal), Valérie Fréchette (Quebec Hydro), Jim Graham (University of Manitoba), Keith Turner (Colorado), Mason Ghafgazi (UofT).

- We are considering creating a category of “Friends of the CGS Heritage Committee” which would perhaps attract more individuals to our group.

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

- Engineering Institute of Canada (History and Archive Committee) – Heinrich Heinz

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

- We have developed an informal relationship with James Withiam, Editor-in-Chief of ASCE’s GEOSTRATA Magazine. This contact has enabled us to obtain permission to publish some of GEOSTRATA’s content on our Virtual Archives.

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

None

Section 5: Committee Finances (as of June 30, 2020)

- The CGS will be contributing \$750/year for two years to the EIC History and Archives Committee, in support of their “oral history initiative”. This project is aimed at interviewing senior engineers, similar to our “Canadian Legends” initiative. Because the intern is based in London Ontario we plan to ask them that an interview with Dr. K.Y. Lo be added to their shortlist, so that CGS would derive a tangible benefit from this contribution. The project has been delayed to 2021 due to the current pandemic.

Section 6: Committee Activities in past year (July 1, 2019 to June 30, 2020)

- Committee Chair Heinrich Heinz has conducted research in the University of Alberta Archives in Edmonton, which house the CGS 1980s Heritage Project files.
- We have continued, in conjunction with the CGS Education Committee, to promote the ‘Canadian Legends Series’ aimed at documenting wisdom gained by distinguished Canadian geotechnical professionals during their professional careers. Initial profiles in this series have already been posted on our Virtual Archives page. Upcoming profiles include Fred Matich, Jacques Hurtubise, Carl Crawford, Andy Baracos, Gordon McRostie and Charles Ripley (the last five interviews were recovered from the University of Alberta Archives and will include an introduction by a living person who knew the deceased member).
- We have continued working with various CGS members on preparing memoirs for deceased professionals.
- We have contributed with short articles to Canadian Geotechnique

Section 7: Additional information or comments

- One ongoing goal we have is to attract more members (especially young members) to the Committee. Any ideas or suggestions would be appreciated.

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

- The current Committee Chair Heinrich Heinz has agreed to extend his term for one year to the end of 2020, but would like to step down and remain as a regular member of the committee. Help from the VP Technical and the CGS National Office to find a new chair would be welcome.
- We have “inherited” various paper documents from retired members of the Committee and the CGS, which would require scanning at some point in time. An example is the complete collection of Geotechnical News starting in 1980, donated by retired member John Payne. Any ideas as to how this could be done efficiently would be welcome.

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

Geohazards Committee
Annual Report July 1, 2019 to June 30, 2020

Committee Name: Geohazards Committee

Section 1: General

Date of report: July 17, 2020

Prepared by: Scott McDougall

Committee Chair: Scott McDougall (as of January 1, 2020)

End of Committee Chair's Term: December 31, 2021

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

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

2) List one, or two or three (or more) specific things that your Committee will be working on, or wishes to accomplish, during the next CGS year (July 1, 2020 to June 30, 2021).

- Complete handover to new Chair and Vice Chair (including access to committee finances information)
- Ongoing webpage updates
- Begin updates to national landslide guidelines by contacting authors ("living documents" now hosted on webpage)
- Begin compilation of national event database
- Assist with Schuster Medal nomination and selection process
- Assist in the organization of GeoHazards 8 planned for June 2022 in Québec City

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your CGS Committee webpage)

Chair: Scott McDougall (UBC)

Past Chair: Dave Gauthier (BGC)

Vice Chair: Ariane Locat (Laval)

Secretary: N/A

(Add others as necessary)

Section 3: Number of Committee Members (as of June 30, 2020)

Executive Committee Members: 3

Total members: ~40

Comments:

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

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

If yes:

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

- CGS Engineering Geology Division
- CGS Transportation Committee

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

- US Association of Engineering and Environmental Geologists (AEG)

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

- International Association of Engineering Geologists (IAEG)

Comments:

- We aim to strengthen relationships with the affiliates noted above, as well as with other learned societies

Section 5: Committee Finances (as of June 30, 2020)

Account Balance: \$?

Comments:

- We understand that we should have funds made available for committee initiatives based on a discussion with VP Finance in Dec 2018, given that we have loaned money to the Foundation and generate revenue every few years through geohazards conferences, which are shared with local sections and the CGS. A better understanding of this arrangement is a priority for the new committee Chair.

Section 6: Committee Activities in past year (July 1, 2019 to June 30, 2020)

- Ad hoc subcommittee assisted with Schuster Medal nomination and selection process
- National landslide guidelines hosted on committee webpage
- Committee meeting at CGS conference in St. John's, October 1, 2019
- Executive Committee meeting online June 5, 2020
- Assisting the organization of GeoHazards 8

Section 7: Additional information or comments

- N/A

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

See comment above under Section 5.

Are you planning to attend the fall board meeting, to be held virtually in September? Yes / No

Yes

***Mining Geotechnique Committee
Annual Report July 1, 2019 to June 30, 2020***

Committee Name: Mining Geotechnique Committee

Section 1: General

Date of report:	June 24, 2020
Prepared by:	Thomas Pabst
Committee Chair:	Thomas Pabst
End of Committee Chair's Term:	December 31, 2021

- 1) What is the mission statement, or main purpose, of your Committee? Has it changed?
 - Organize and coordinate sessions on Mining Geotechnique at the annual Canadian Geotechnical Conference, in collaboration with the Technical Divisions of CGS.
 - Act as a forum for discussion between industry, academics, and students on issues of research, education, and training.
 - Promote awareness of Mining Geotechnique within the CGS, the geoscience community, and related fields.
 - Liaise between CGS and other mining-related national and international organizations.

- Help publicize the importance of Mining Geotechnique to the Canadian public.
- Contribute to efforts that may be beneficial to the Mining Geotechnique community.

No changes

2) List one, or two or three (or more) specific things that your Committee will be working on, or wishes to accomplish, during the next CGS year (July 1, 2020 to June 30, 2021).

All the following things were initially supposed to be carried out during Spring and Summer 2020, but will be reported to the next CGS year because of the current situation with covid-19.

- Organize a special session at GeoNiagaraFalls along the line « Unexpected challenges and solutions – Case studies in Mining Geotechnique » where renown industrial speakers would be invited to present selected case studies. In order to increase the attractiveness of this event to industrial speakers (and the feasibility of this activity), it is suggested that the submission of papers should be encouraged, but optional. Potential speakers and topics related to mining Geotechnique are currently under discussion. -> Some people in the committee suggested also mining compagnies could present how they dealt with the covid-19 pandemic on their sites.
- Organize a student – industry activity during GeoNiagaraFalls2021.
- Create a student subcommittee to foster the relations between the student members across Canada. Such subcommittee could aim at organizing short presentations of student projects that could occur as webinars.
- Publish a paper in CGS Magazine which will summarize the implication and show the impact of the members of the Mining Geotechnical Committee outside of Canada.

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your CGS Committee webpage)

Chair: Thomas Pabst, Polytechnique Montreal
 Past Chair: Paul Simms, Carleton University
 Vice Chair: Marie-Lin Bréard Lanoix, Golder Associates Ltd.
 Secretary: Vincent Boulanger-Martel, UQAT

Section 3: Number of Committee Members (as of June 30, 2020)

Executive Committee Members: 4
 Total members: 28

Comments:

- Large attendance at the annual meeting in GeoStJohn's 2019
- Around 50% of the member are students

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

Section 5: Committee Finances (as of June 30, 2020)

Account Balance: \$

Section 6: Committee Activities in past year (July 1, 2019 to June 30, 2020)

- Annual meeting during annual CGS conference
- Paper review for GeoStJohn's 2019
- Several members of the committee acted as session Chair at the GeoStJohn's 2019
- Recruitment of a new Vice Chair
- Large participation of the committee members to Tailings and Mine Waste conference in Vancouver November 2019.

Section 7: Additional information or comments

- None

Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the VP Technical, the CGS National Office or fellow Board members? No

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

Professional Practice Committee
Annual Report July 1, 2019 to June 30, 2020

Committee Name: Professional Practice Committee

Section 1: General

Date of report: 05 August 2020
Prepared by: Seán Mac Eoin
Committee Chair: Seán Mac Eoin
End of Committee Chair's Term: 31 December 2021

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

The Professional Practice Committee's mandate has not changed and is:

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

2) List one, or two or three (or more) specific things that your Committee will be working on, or wishes to accomplish, during the next CGS year (July 1, 2020 to June 30, 2021).

Sponsor a session at GeoVirtual2020, in discussion with the Local Organising Committee.
Appoint a Vice-Chair.
Develop issues on which (for example) guidance notes may be useful to our members.

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your CGS Committee webpage)

Chair: Seán Mac Eoin (Tetra Tech)
Past Chair: James Blatz (Trek Geotechnical Inc. and University of Manitoba)
Vice Chair: Vacant
Secretary: None

Section 3: Number of Committee Members (as of June 30, 2020)

Executive Committee Members: 2
Total members: 14
Comments: None

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

If yes:

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

- N/A

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

- N/A

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

- N/A

Comments: None

Section 5: Committee Finances (as of June 30, 2020)

Account Balance: \$ 0

Comments: Committees are not funded

Section 6: Committee Activities in past year (July 1, 2019 to June 30, 2020)

- Conference calls prior to GeoStJohns2019 conference.
- Annual meeting at GeoStJohns2019.
- Handover of Chairmanship from James Blatz to Seán Mac Eoin.
- On-line meeting to discuss future work and to prepare for the Annual Conference, now GeoVirtual2020.

Section 7: Additional information or comments

- The PPC will host the Special Session during GeoVirtual2020
- Specific issues and initiatives will be developed at meetings during the coming months.

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

None

Are you planning to attend the fall board meeting, to be held virtually in September? Yes / No

Yes

***Sustainable Geotechnics Committee
Annual Report July 1, 2019 to June 30, 2020***

Committee Name: Sustainable Geotechnics Committee

Section 1: General

Date of report: July 15, 2020

Prepared by: C. Mulligan

Committee Chair: C. Mulligan

End of Committee Chair's Term: Dec. 31, 2020

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

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

2) List one, or two or three (or more) specific things that your Committee will be working on, or wishes to accomplish, during the next CGS year (July 1, 2020 to June 30, 2021).

2nd Canadian Geothermal Students' will be held on June 21–22, 2021 at the University of Manitoba in Winnipeg. The theme of CGSD 2021 will be Geothermal Energy in Cold Climates, to showcase Canada's leading role in the field of geothermal energy.

- Will contribute through reviews and paper submission to TC 307 conference in 2021, 1st International Conference on Sustainability in Geotechnical Engineering in Lisbon, Portugal of June 2021. The deadline for abstracts in May 15, 2020.

- Will contribute an article to CGS news magazine and revise web site.
- Will organize virtual committee meetings

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your CGS Committee webpage)

Chair: Catherine Mulligan

Past Chair: Tim Newsom, Western

Vice Chair: Dipanjan Basu, University of Waterloo

Secretary: Ian Fleming, University of Saskatchewan

Executive Committee Members:

Total members:

Comments:

<i>Chair</i>	Catherine Mulligan <i>Concordia University</i>
<i>Past Chair</i>	Tim Newson <i>Western University</i>
<i>Vice Chair</i>	Dipanjan Basu <i>University of Waterloo</i>
<i>Secretary</i>	Ian Fleming <i>University of Saskatchewan</i>
<i>Member</i>	Myint Win Bo <i>DST Group</i>
<i>Member</i>	Roger Skirrow <i>Alberta Transportation</i>
<i>Member</i>	Stan Gonsalves <i>exp</i>
<i>Member</i>	Tony Sangiuliano <i>MTO</i>
<i>Member</i>	Susanne Chan <i>MTO</i>
<i>Member</i>	Imteaz Bhuyian <i>Water Security Agency</i>

Section 3: Number of Committee Members (as of June 30, 2020)

Executive Committee Members:

Total members: 10

Comments:

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

If yes:

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

- No

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

- No

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

- Yes, TC 307 ISSMGE

Comments:

-

Section 5: Committee Finances (as of June 30, 2020)

Account Balance: \$0

Comments:

-

Section 6: Committee Activities in past year (July 1, 2019 to June 30, 2020)

- Promotion of GeoCalgary
- Review of papers for GeoVirtual Conference
- Organized a committee meeting at GeoEdmonton conference in 2019

- Reviewed papers and organized session at the annual conference GeoEdmonton
- One of the members, Imteaz Bhuyian, attended and was one of the organizers of “GeoCelebration 2020” – A networking event with a keynote lecture for celebration of geotechnical leadership in Saskatchewan. The event was organized by Regina Geotechnical Group (RGG), a local chapter of Canadian Geotechnical Society.
- Member, Imteaz coauthored with another member of CGS in a conference publication for CSCE 2020 Conference. The title of the paper is “A review of current principles, practices and trends for developing a framework of geotechnical asset management for embankment dams”.

Section 7: Additional information or comments

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Section 8: Do you have any specific questions or issues that you would like to bring to the attention of the VP Technical, the CGS National Office or fellow Board members? No

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

**Transportation Geotechnique Committee
Annual Report July 1, 2019 to June 30, 2020**

Committee Name: Transportation Geotechnique Committee (TGC)

Section 1: General

Date of report: July 1, 2020

Prepared by: Don Lewycky

Committee Chair: Don Lewycky

End of Committee Chair’s Term: 2020

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

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

1) If you previously have not provided the following, what is the mission statement, or main purpose, of your Committee.

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

- Geotechnical design, construction and maintenance of transportation infrastructures
- Earthworks for transportation facilities
- Geomaterials and recycled materials
- Geotechnique for pavements, rail track and airfield construction and maintenance
- Geosynthetics and applications
- Sustainability, performance evaluation, and rehabilitation of transportation infrastructure
- Risk management of geohazards and environmental issues that impact transportation infrastructure

The TGC works to:

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

2) List one, or two or three (or more) specific things that your Committee will be working on, or wishes to accomplish, during the next CGS year (July 1, 2020 to June 31, 2021).

- It was noted that several major urban public transportation projects are underway across the country and there was a great deal of interest at the last Committee Meeting to organize a speciality session about these projects, possibly at the Niagara Falls CGS Conference. Unfortunately members working on these projects echoed the observation that the owners of these projects were very reluctant to allow the presentation or publication of any information about these projects until well after they have been completed and all possible litigation threats have been resolved. A take away goal from the Committee Meeting was that these individuals would try to convince the respective owners of these public transportation projects to allow purely technical presentations about their projects, avoiding any discussion regarding finances, politics or organizational problems. Planning for this specialty session will begin in 2020, assuming enough permissions are granted by the owners.
- 2018 through to 2020 has proven to be a very difficult time for the Transportation Geotechnique Committee. The agenda for the Committee has in the past been driven by the strong interest and support from members representing the various roadway ministries of the provinces and municipalities, as well railways and pipeline operators. With the ongoing fiscal tightening of budgets associated with these groups, their attendance at the national conference has dwindled and as a consequence, the number of papers with a transportation theme has also decreased. In addition, many of the former leaders who actively promoted the activities of the Committee have been retiring and the connections with the organizations they represented are being lost. Committee members have been requested to reach out to the new people populating these positions and to encourage them to participate or support in some form, the activities of the Transportation Committee.

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or if students, universities – these will be posted on your CGS Committee webpage)

Chair: Don Lewycky, Retired
Past Chair: Serge Bourque, Gemtec Consulting Engineers and Scientists
Vice Chair: Harpreet Panesar, Ministry of Highways and Infrastructure, Province of Saskatchewan
Secretary: Ahmed Mahgoub, Dalhousie University/Chris Bunce, BGC Engineering

Section 3: Number of Committee Members (as of June 30, 2020)

Executive Committee Members: 3
Total members: 67
Comments:

- The number of members is based on the number of e-mail addresses obtained at the Transportation Geotechnique Committee meetings held at the national conference. Active participation or ongoing interest in the Committee cannot be confirmed at this time. The effects of the pandemic are also suspected to be responsible for a recent decline in the TGC's membership numbers. At the end of May, there were 67 confirmed active email addresses. By the end of June, seven emails addresses have suddenly gone dark, some with major companies or government departments, with no indication of what has happened to the intended recipient.

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

If yes:

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

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

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

- AEG Association of Engineering Geology – Mario Ruel

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

- ISSMGE-TC202 Transportation Geotechnics – Mario Ruel

Comments:

- None of the CGS representatives listed above have reported back to the TGC this year, regarding any relevant activities of the affiliated organizations.

Section 5: Committee Finances (as of June 30, 2020)

Account Balance: \$0

Section 6: Committee Activities in past year (July 1, 2019 to June 30, 2020)

- Don Lewycky confirmed that he would continue to Chair the Transportation Geotechnique Committee until the end of 2020, when Harpreet Panesar of the Ministry of Highways and Infrastructure for the Province of Saskatchewan will assume the duties of the Chair.
- Ahmed Mahgoub of Wood Engineering has confirmed he will act as the Secretary for the TGC.
- Several CGS TC members are also still taking leadership roles in the Railway Ground Hazards Research Project (RGHRP), which is very active on;
 - Numerous remote sensing, hazard detection and risk management research projects
 - The development of several MSc's and PhD's in the field of transportation geotechnique.
 - The elaboration of technical guidelines for ground hazard management for railways which could eventually be extended for other transportation corridors.
- The TGC was requested by the organizers of GeoCalgary 2020 to review six papers with a transportation theme and to chair sessions at the conference. While we responded positively to the request, the events leading to the postponement of the conference until 2022 apparently resulted in the TGC's assistance no longer being required.
- Starting in early June, the Committee Chair began sending members of the TGC copies of some of the transportation related papers presented at GeoStJohns 2019. It was an effort to generate interest in the TGC by highlighting the kind of work being done by TGC members and to disseminate these papers to those members who were unable to attend the conference.
- All members of the TGC were invited to participate in a free webinar hosted by the Geotechnical Society of Edmonton (GSE) on June 16, 2020. The presentation was entitled Settlement Analysis on Glacio-Lacustrine Clays using Observational Method for a New Interchange in Winnipeg, Manitoba. Presented by Dave Kurz, Ph.D. of the KGS Group, it was the first attempt by the TGC to participate in an electronic webinar. The exact number of TRC participants was not available, but a cursory scan of the names of the participants during the presentation found several TRC members located across the country that did take in the presentation and would not normally be expected to participate in a GSE event.

Section 7: Additional information or comments

- At the well attended and lively meeting held in St. John's, an impediment to more active participation by the Committee was identified by several members representing the consulting industry and the universities. As most major transportation projects are undertaken by governmental organizations, there has grown a GREAT reluctance by these bodies (in most cases driven by their legal staff) to allow the publication or presentation of any information on projects that are either ongoing or experiencing problems. Even raw technical data is being withheld from universities who request the information in order to produce their own analyses or in the production of work of a general nature which would be enhanced by the acquisition of more aggregated data.

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

It was suggested at the last Transportation Geotechnique Committee meeting held at the St. John's conference, that the Committee ask the CGS Executive whether it would be possible to include an option to join the Transportation Geotechnique (or the other Committees) on the annual CGS membership form. If it is deemed that this would make the

membership form too complicated, than a link could possibly be added to the web page so that an individual could join there. In this way, the CGS would be able to maintain better membership lists which could be vetted by comparing Committee members to the CGS membership list. Lists are currently just passed down from one Committee Chair to the next with little opportunity to vet those people who are no longer CGS members, retired or have no future interest in the activities of the Committee.

Will the CGS supply the resources to host a virtual TGC meeting in September? In addition, would these resources be available for future quarterly meetings with Committee members in the coming year? Finally, will these resources also be available to host future webinars that the TGC may wish to present?

Are you planning to attend the fall board meeting, to be held virtually in September? Yes / No

Yes

Membership Committee
Annual Report July 1, 2019 to June 30, 2020

Committee Name: Membership

Section 1: General

Date of report: 7 Jul 20

Prepared by: David Wood

Committee Chair: David Wood

End of Committee Chair's Term: A Good Question! December 2022, or thereabouts.

1) The mandate of the membership committee is to promote the CGS to current and future members, survey geo-professionals and assess members' expectations, explore and analyze new initiatives, increase interest in volunteering and monitor and increase membership renewal. The chair of the committee reports to the VP Communications and Member Services. This mandate has not changed since last annual report.

2) List one, or two or three (or more) specific things that your Committee will be working on, or wishes to accomplish, during the next CGS year (July 1, 2020 to June 30, 2021).

- Continue to implement recommendations from the Membership Survey
- Further explore the results of the Membership Survey to gain better knowledge about our members and how to maintain and grow the society's membership.
- Review membership database to glean more depth about members, possibly revise on-line form to acquire different data.
- Attempt to retain existing members at a higher rate as well as encouraging new members.

Section 2: Current (Jan 1 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your CGS Committee webpage)

Chair: David Wood (David F. Wood Consulting Ltd.)

Past Chair: Judith Bouchard (Acting, Hydro-Quebec, CGS VPCom)

Vincent Castongay (ULaval)

Julie Therrien (MTQ)

Ramy Saadeldin (OPG)

Kathryn Dompierre (Geoslope)

Gil Robinson (Dyregrov Robinson Inc)

Observer : Judith Bouchard (Hydro-Quebec, CGS VPCom)

Section 3: Number of Committee Members (as of June 30, 2020)

Executive Committee Members: 6

Total members: 6

Comments: Judith Bouchard has volunteered to continue assisting this committee.

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

Section 5: Committee Finances (as of June 30, 2020)

Account Balance: \$N/A

Section 6: Committee Activities in past year (July 1, 2019 to June 30, 2020)

- Membership Survey carried out and reviewed, analysed and interpreted
- Recommendations from Survey started to roll out
- Review of CGS database to investigate how best to retain members.

Section 7: Additional information or comments

- Teleconference Committee meetings held with committee members have been limited in early 2020 as members have been isolating from COVID-19/

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

Are you planning to attend the fall board meeting, to be held virtually in September? Yes

OTHER REPORTS

Geotechnical Research Board Annual Report July 1, 2019 to June 30, 2020

Committee Name: GRB

Section 1: General

Date of report: March 12

Prepared by: Greg Siemens

Committee Chair: Greg Siemens

End of Committee Chair's Term: 2021

Committee's CGS web page address: http://www.cgs.ca/geotechnical_research_board.php

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

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

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

1) If you previously have not provided the following, what is the mission statement, or main purpose, of your Committee. The mandate of the GRB is to monitor, stimulate, and promote research in the geotechnical and geoscience fields for the benefit of the profession and Canada.

2) List one, or two or three (or more) specific things that your Committee will be working on, or wishes to accomplish, during the next CGS year (July 1, 2020 to June 31, 2020).

In the next months, the GRB will be in charge of the following tasks:

- Evaluation of submissions and selection of the 2021 Colloquium (name to be announced at GeoCalgary 2020);
- Evaluation of selected papers for the 2020 Gzowski Medal.
- ~~Organization of the special GRB session on Science Communication at GeoCalgary~~

Here is additional information related to the last point, Due to the conference going virtual we could no longer work with the local Calgary company to work on Science Communication. We will develop more ideas for next year's conference and pick up this initiative when the conference is held in Calgary in the future.

Section 2: Last year (as of Dec 31, 2019) Executive Committee Members and their Affiliations (employers or if students, universities)

Chair: Bruno Bussière

Past Chair: Murray Grabinsky

Vice Chair: Greg Siemens

Secretary: N/A

Section 3: Current (Jan 1, 2020 - Dec 31, 2020) Executive Committee Members and their Affiliations (employers or if students, universities)

Chair: Greg Siemens

Past Chair: Bruno Bussière

Vice Chair: Currently recruiting. Will have update in Sept 2020

Secretary: N/A

Section 4: Number of Committee Members (as of Dec 31, 2019)

Executive Committee Members: 2 (Chair, vice-Chair)

Total members: 13 (see the table below)

Name	2017	2018	2019	2020	2021	2022
Greg A. Siemens, Royal Military College		Vice Chair	Vice Chair	Chair	Chair	Chair
Bruno Bussière, UQAT	Chair	Chair	Chair	Past Chair	Past Chair	Past Chair
Nicholas Beier, University of Alberta						
Ariane Locat, Université Laval						
Jean Côté, Université Laval						
Mamadou Fall, University of Ottawa						
Paul Simms, Carleton University						
Ian Moore, Queens University						
Jocelyn Hayley, University of Calgary						
Thomas Pabst, Polytechnique Montreal						
Jasmin Raymond, INRS-ETE						
François Duhaime, ÉTS						
Robert Chapuis, Polytechnique Montreal						

Section 5: Is your Committee affiliated with other organizations? No

Section 6: Committee Finances (as of Dec 31, 2019)

N/A

Section 7: Committee Activities in past year (July 1, 2019 to June 30, 2020)

- Annual meeting in St. John's
- Participation to the jury of the Gzowski Medal
- Organisation of a session for the GeoSt.John's 2019 conference
- Selection of Colloquium recipient

Section 8: Additional information or comments

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Section 9: Do you have any specific questions or issues that you would like to bring to the attention of the VP Technical or the CGS National Office?

No

**Canadian Geotechnical Journal, Craig Lake, Editor-in-Chief
Annual Report July 1, 2019 to June 30, 2020**

Canadian Geotechnical Journal continues to attract a healthy number of manuscripts, with 848 manuscripts received in 2019, down slightly from 883 received in 2018. At the end of 2018, the journal had accumulated a 12 month backlog, which we were determined to reduce to a reasonable level. Such a determination had led to many desktop rejections and perhaps the slightly decreased number of submissions.

The journal's 2 year impact factor increased from 2.45 in 2018 to 2.80 in 2019. Other metrics including the 5 year impact factor rose further this year, in significant part due to excellent service provided by our authors, Associate Editors (AEs), Editorial Board Members, and anonymous reviewers. Many international experts assist with the provision of expert and timely assessments, and we offer our thanks for the continued support of those reviewers. We extend our special appreciation to former AEs David Muir Wood and James Oswell, who stepped down from the Board. We also welcome on board Jianye Ching, Behzad Fatahi, Joana Fonseca, Cristina Tsuha, and Wei Wu as our new AEs in 2020.

Our Editor-in-Chief (EIC) Craig Lake has decided to step down by the end of 2020. Craig has served the journal for 16+ years, first as an AE and then as an EIC, and has made an outstanding contribution to the journal's success, which unfortunately means sacrificing countless hours of his own time. Craig has demonstrated exemplary professionalism in his editorship, and his fellow EICs, AEs, and Editorial Board Members have greatly enjoyed working with him.

Meantime, we welcome our new EIC, Greg Siemens, who has been an AE of the journal since 2009. Greg will be the lead EIC from the beginning of 2021.

Finally, we would like to thank all the staff at Canadian Science Publishing. Editorial Assistant Donna Hartson continues to provide excellent support to board members, authors, and reviewers. Celia Charron and Lesia Beznaczuk support our work through their roles as Managing Editor and Scientific Publishing Editor, respectively. Without this continued support, our role as EICs would be very difficult.



Editorial_Board_Report_2020_CGJ_Final.p

***CGS News – Nicholas Beier, Editor
Annual Report July 1, 2019 to June 30, 2020***

This is my second annual report as the CGS News Editor since taking up the post on January 1, 2019. During my second year, Geotechnical News transitioned to Canadian Geotechnique/Geotechnique Canadienne and with it, the CGS News Section. I have worked closely with Lisa McJunkin, Emily Fournier, and Doug VanDine and the Editorial Board during this transition to ensure the CGS News maintained its required content.

The new magazine 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 I compile are submitted to Lisa McJunkin approximately 2 months prior to the actual publication date of the Canadian Geotechnique/Geotechnique Canadienne. The team at Karma-link have developed an efficient, easy to follow work flow to ensure articles are received, edited and compiled in time to meet publishing deadlines. Content has been provided from a variety of sources including contributions from the various Sections, Divisions and Committee Chairs. Working with Lisa and Doug, a long-range content and issue planner was developed for the magazine and CGS News section to ensure timely submission of articles. We are working to increase the bilingual content in the CGS News, however, timing of submissions is still the limiting factor. Deadlines for submissions will be pushed earlier to ensure translations will be completed in a timely manner.

Kevin Biggar has submitted an article in each issue over the past year on behalf of the Canadian Foundation for Geotechnique. These issues have detailed the news, activities, awards and executive members of the Foundation. Expanded citations of the various CGS award winners were included in the issues of the magazine following the CGS annual conference. Citations were prepared by Lisa and Emily for the E-News, which I utilized for the CGS News to

communicate why our members were so deserving of their awards. Over the past year, we have also highlighted major accomplishments and awards of our colleagues in the Members in the News section. Various local sections across Canada have submitted short articles highlighting the great events they have organized and hosted.

I will continue my initiatives to promote young professionals and opportunities for their involvement with the Society. In the upcoming September issue, Vincent Castonguay with the help of student members, provided an article detailing the success of the pilot CGS Student Chapters. I encourage Division and Committee chairs to start preparing short pieces for publication in 2020/2021 describing the mandates, goals and initiatives of the various Divisions and Committees.

My first few articles would not have been successful without the support and patience I received from the CGS Executive and the Board. Thanks to Mario Ruel for his timely submissions of the President's Message. Lisa McJunkin has been extremely helpful guiding me through this first phase of the new magazine as the CGS News Editor, assisting with the French translations and managing content. Doug VanDine has also been very helpful and assisting me with provided ideas, managing and publishing content in the magazine. I continue to encourage all members of the Board to submit articles, announcements or pieces of news to myself. In the case of time sensitive articles, please be aware of the publication and delivery dates of CGS News (at least two months prior to publication date).