



**THE CANADIAN  
GEOTECHNICAL SOCIETY**

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**LA SOCIÉTÉ CANADIENNE  
DE GÉOTECHNIQUE**

**2021**

**Annual Report / Rapport annuel**

**(July 1, 2020 to June 30, 2021, with a few more recent  
information – Dec. 2021)**

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## CANADIAN GEOTECHNICAL SOCIETY - AWARDS AND HONOURS 2021

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<b>R.F. Legget Medal</b>	<u>Doug VanDine</u>
<b>G. Geoffrey Meyerhof Award</b>	<u>Dharma Wijewickreme</u>
<b>Thomas Roy Award</b>	<u>Davide Elmo</u>
<b>John A. Franklin Award</b>	<u>Rick Chalaturnyk</u>
<b>Robert N. Farvolden Award</b>	<u>Beth Parker</u>
(Joint award with IAH-CNC)	
<b>Robert Schuster Medal</b>	<u>Suzanne Lacasse</u>
(Joint award with AEG)	
<b>Early Achievement Award</b>	<u>Judith Bouchard</u>
<b>A.G. Stermac Awards</b>	<u>Kent Bannister</u>
	<u>Maraika DeGroot</u>
	<u>Ryley Beddoe</u>
	<u>Wes Saunders</u>
	<u>Justyna Kos-Fairless</u>
	<u>Daniel Bertrand</u>
<b>CGS R.M. Hardy Keynote Address</b>	<u>Mark Diederichs</u>
<b>Canadian Geotechnical Colloquium</b>	<u>Renato Macciotta Pulisci</u>
<b>Cross Canada Lecture Tours</b>	Spring and Fall 2021 postponed
<b>R.M. Quigley Award</b>	<u>Manassero, M.</u> , “Second ISSMGE R. Kerry Rowe Lecture: On the intrinsic, state, and fabric parameters of active clays for contaminant control”, Canadian Geotechnical Journal, 2019.
<b>Honourable Mentions</b>	<u>Schneider, MA; Stanier, SA; White, DJ; Randolph, MF</u> , “Shallow penetrometer tests: theoretical and experimental modelling of penetration and dissipation stages”, Canadian Geotechnical Journal, 2019.
	<u>Torres-Cruz, LA; Santamarina, JC</u> , “The critical state line of nonplastic tailings”, Canadian Geotechnical Journal, 2019.
	<u>Indraratna, B; Singh, M; Nguyen, TT; Leroueil, S; Abeywickrama, A; Kelly, R; Neville, T</u> , “Laboratory study on subgrade fluidization under undrained cyclic triaxial loading”, Canadian Geotechnical Journal, 2019.
<b>Fredlund Award</b>	<u>Robertson, P.K.</u> , “Cone penetration test (CPT)-based soil behaviour type (SBT) classification system — An update”, Canadian Geotechnical Journal, 2016, 53(12), pp. 1910-1927
<b>Graduate Student Presentation Award</b>	
<b>1<sup>st</sup> Prize</b>	<u>Megan McKellar</u> , “Physical Modelling of Tailings Dam Breach: Exploring Overtopping following Shear Failure”, Andy Take
<b>2<sup>nd</sup> Prize</b>	<u>Bryce Marcotte</u> , “Protecting geomembrane liners for long-term performance”, Ian Fleming
<b>Undergraduate Student Report (Individual)</b>	

**1<sup>st</sup> Prize** Andrew Funk, “Joffre Peak Slope Stability: Geological Mapping and Kinematic Analysis”,  
Scott McDougall

**2<sup>nd</sup> Prize** Jonathan Gallagher, “Joule-Thomson Induced Frost Heave Observed Above a Natural  
Gas Pipeline in Kingston ON”, Andy Take

**Undergraduate Student Report (Group)**

**1<sup>st</sup> Prize** Alison Brannigan, Rachel Burns, Emelie Gagnon, Renee McAnerney, “Technical Report:  
Pit Stabilization for In-Pit Tailings Storage”, Jennifer Day

**2<sup>nd</sup> Prize** Maureen Cyntia Foading Kengne, Emile Gauvin, Justin Szekely, Vladislav Zasmolin,  
“Franklin Falls Dam Design”, Michael James

**Canadian Foundation for Geotechnique Michael Bozozuk National Graduate Scholarship**

Andrew Mitchell

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

Danika Ouellette

**Awards From Engineering Institute of Canada (EIC)**

*Julian C. Smith Medal*

Wayne Clifton

*Sir John Kennedy Medal*

Dennis Becker

*CPR Engineering Medal*

Jean Côté

*Fellowship of the Institute (FEIC)*

James Blatz

*Fellowship of the Institute (FEIC)*

Heinrich Heinz

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**LA SOCIÉTÉ CANADIENNE DE GÉOTECHNIQUE – PRIX ET DISTINCTIONS 2021**

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**Médaille R.F. Legget**

Doug VanDine

**Prix G. Geoffrey Meyerhof**

Dharma Wijewickreme

**Prix Thomas Roy**

Davide Elmo

**Prix John A. Franklin**

Rick Chalaturnyk

**Prix Robert N. Farvolden**

Beth Parker

(Prix conjoint avec l'AIH-SNC)

**Médaille Robert Schuster**

Suzanne Lacasse

(Distinction conjointe avec l'AEG)

**Prix d'excellence en début de carrière** Judith Bouchard

**Prix A.G. Stermac**

Kent Bannister

Maraika DeGroot

Ryley Beddoe

Wes Saunders

Justyna Kos-Fairless

Daniel Bertrand

**Allocution d'ouverture** **R.M. Hardy**

Mark Diederichs

**Colloquium canadien de géotechnique**

Renato Macciotta Pulisci

**Tournée de conférences pancanadiennes**

printemps et l'automne 2020 reporté

**Prix R.M. Quigley** Manassero, M., “ Second ISSMGE R. Kerry Rowe Lecture: On the intrinsic, state, and fabric parameters of active clays for contaminant control”, Canadian Geotechnical Journal, 2019.

**Mentions honorables** Schneider, MA; Stanier, SA; White, DJ; Randolph, MF, “Shallow penetrometer tests: theoretical and experimental modelling of penetration and dissipation stages”, Canadian Geotechnical Journal, 2019.

Torres-Cruz, LA; Santamarina, JC, “The critical state line of nonplastic tailings”, Canadian Geotechnical Journal, 2019.

Indraratna, B; Singh, M; Nguyen, TT; Leroueil, S; Abeywickrama, A; Kelly, R; Neville, T, “Laboratory study on subgrade fluidization under undrained cyclic triaxial loading”, Canadian Geotechnical Journal, 2019.

**Prix Fredlund** Robertson, P.K., “Cone penetration test (CPT)-based soil behaviour type (SBT) classification system — An update”, Canadian Geotechnical Journal, 2016, 53(12), pp. 1910-1927

#### **Prix de la présentation des étudiants aux cycles supérieurs**

**1<sup>er</sup> prix** Megan McKellar, “Physical Modelling of Tailings Dam Breach: Exploring Overtopping following Shear Failure”, Andy Take

**2<sup>e</sup> prix** Bryce Marcotte, “Protecting geomembrane liners for long-term performance”, Ian Fleming

#### **Prix du rapport des étudiants du premier cycle (individuel)**

**1<sup>er</sup> prix** Andrew Funk, “Joffre Peak Slope Stability: Geological Mapping and Kinematic Analysis”, Scott McDougall

**2<sup>e</sup> prix** Jonathan Gallagher, “Joule-Thomson Induced Frost Heave Observed Above a Natural Gas Pipeline in Kingston ON”, Andy Take

#### **Prix du rapport des étudiants du premier cycle (groupe)**

**1<sup>er</sup> prix** Alison Brannigan, Rachel Burns, Emelie Gagnon, Renee McAnerney, “Technical Report: Pit Stabilization for In-Pit Tailings Storage”, Jennifer Day

**2<sup>e</sup> prix** Maureen Cyntia Foading Kenne, Emile Gauvin, Justin Szekely, Vladislav Zasmolin, “Franklin Falls Dam Design”, Michael James

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

Andrew Mitchell

#### **Prix Dennis Becker pour les étudiants à la maîtrise de la Fondation canadienne de géotechnique**

Danika Ouellette

#### **Prix et distinctions de l'institut canadien des ingénieurs (ICI)**

*Médaille Julian C. Smith*

Wayne Clifton

*Médaille Sir John Kennedy*

Dennis Becker

*Médaille du chemin de fer Canadien Pacifique*

Jean Côté

*Fellow de L'ICI*

James Blatz

*Fellow de L'ICI*

Heinrich Heinz



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

**2021 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 2021**

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**

<p><i>President / Président</i> 2022 <b>Ian Moore, P.Eng.</b> <a href="mailto:president@cgs.ca">president@cgs.ca</a> / <a href="mailto:moore@civil.queensu.ca">moore@civil.queensu.ca</a></p>	<p><i>Engineering Geology Géologie de l'ingénieur</i> 2021 <b>Stephen D. Butt, P.Eng</b> <a href="mailto:sdbutt@mun.ca">sdbutt@mun.ca</a></p>
<p><i>Vice President Technical Vice-président technique</i> 2022 <b>Mamadou Fall</b> <a href="mailto:vpotech@cgs.ca">vpotech@cgs.ca</a> / <a href="mailto:mfall@uottawa.ca">mfall@uottawa.ca</a></p>	<p><i>Geoenvironmental Géoenvironnement</i> 2023 <b>Vincent Martin</b> <a href="mailto:vincent_martin@golder.com">vincent_martin@golder.com</a></p>
<p><i>Vice President Financial Vice-président aux finances</i> 2022 <b>Andrea Loughheed, P.Eng.</b> <a href="mailto:vpfinance@cgs.ca">vpfinance@cgs.ca</a> / <a href="mailto:aloughheed@bgcengineering.ca">aloughheed@bgcengineering.ca</a></p>	<p><i>Geosynthetics Géosynthétiques</i> 2023 <b>Fady Abdelaal</b> <a href="mailto:fady.abdelaal@queensu.ca">fady.abdelaal@queensu.ca</a></p>
<p><i>Vice President Communications &amp; Member Services / Vice-président Communications et services aux membres</i> 2022 <b>Justyna Kos-Fairless, P.Eng.</b> <a href="mailto:vpcomm@cgs.ca">vpcomm@cgs.ca</a> / <a href="mailto:kosfairless.iustyna@syncrude.com">kosfairless.iustyna@syncrude.com</a></p>	<p><i>Rock Mechanics Mécanique des roches</i> 2023 <b>Jennifer J. Day, PEng, PGeo</b> <a href="mailto:day.jennifer@queensu.ca">day.jennifer@queensu.ca</a></p>
<p><i>Young Professional Representative Représentante des jeunes professionnels</i> 2021 <b>Vincent Castonguay</b> <a href="mailto:yprep@cgs.ca">yprep@cgs.ca</a> / <a href="mailto:vincent.castonguay@seequent.com">vincent.castonguay@seequent.com</a></p>	<p><i>Soil Mechanics and Foundations Mécanique des sols et des fondations</i> 2023 <b>Laifa Cao, P.Eng.</b> <a href="mailto:Laifa.Cao@wspgroup.com">Laifa.Cao@wspgroup.com</a></p>
<p><i>Technical Division Representative Représentant des divisions techniques</i> 2022 <b>Thomas Pabst, ing.</b> <a href="mailto:t.pabst@polymtl.ca">t.pabst@polymtl.ca</a></p>	<p><i>Groundwater Eaux souterraines</i> 2023 <b>François Duhaime</b> <a href="mailto:francois.duhaime@etsmtl.ca">francois.duhaime@etsmtl.ca</a></p>
<p><i>Section Representative Représentant des sections</i> 2021 <b>Billy Singh, P. Eng.</b> <a href="mailto:bsingh@terraprobe.ca">bsingh@terraprobe.ca</a></p>	<p><b>Section Directors Directeurs des sections</b></p> <p><i>Vancouver Island Geotechnical Group</i> 2023 <b>Caleb H. Scott, P.Eng.</b> <a href="mailto:cscott@thurber.ca">cscott@thurber.ca</a></p>
<p><b>Division Chairs Présidents des divisions</b></p>	<p><i>Vancouver Geotechnical Society</i> 2023 <b>Marc Bossé, P.Eng.</b> <a href="mailto:mbosse@thurber.ca">mbosse@thurber.ca</a></p>
<p><i>Cold Regions Geotechnology Géotechnologie des régions froides</i> 2022 <b>Ryley Beddoe</b> <a href="mailto:ryley.beddoe@rmc.ca">ryley.beddoe@rmc.ca</a></p>	

Please inform the CGS National Office of any changes to this list / Veuillez informer le siège social de la SCG de tout changement à cette liste. Revised / Révision February 23 2021

<i>Prince George Geotechnical Group</i> <b>Warren Lemky, P.Eng.</b> <a href="mailto:warren.lemky@gov.bc.ca">warren.lemky@gov.bc.ca</a>	2021	<i>Section régionale Est-du-Québec</i> <b>Ariane Locat, ing.</b> <a href="mailto:ariane.locat@gci.ulaval.ca">ariane.locat@gci.ulaval.ca</a>	2021
<i>Interior BC Section</i> <b>Dwayne Tannant, P.Eng.</b> <a href="mailto:dwayne.tannant@ubc.ca">dwayne.tannant@ubc.ca</a>	2021	<i>New Brunswick Section</i> <b>Christopher McQueen, P. Eng.</b> <a href="mailto:Christopher.McQueen@englobecorp.com">Christopher.McQueen@englobecorp.com</a>	2021
<i>Calgary Geotechnical Society</i> <b>Kshama Roy, Ph.D.</b> <a href="mailto:kshama.roy@northernrescent.ca">kshama.roy@northernrescent.ca</a>	2023	<i>Nova Scotia Section</i> <b>Ilia Wainshtein, P.Eng.</b> <a href="mailto:ilia.wainshtein@woodplc.com">ilia.wainshtein@woodplc.com</a>	2022
<i>Geotechnical Society of Edmonton</i> <b>Ken Froese, P.Eng.</b> <a href="mailto:kfroese@thurber.ca">kfroese@thurber.ca</a>	2023	<i>St. John's Section</i> <b>Andrew Peach, P. Geo.</b> <a href="mailto:andrew.peach@hatch.com">andrew.peach@hatch.com</a>	2021
<i>Saskatoon Geotechnical Group</i> <b>David Elwood, P.Eng.</b> <a href="mailto:david.elwood@usask.ca">david.elwood@usask.ca</a>	2021	<i>Editor, Canadian Geotechnical Journal</i> <i>Le directeur de la rédaction de la Revue canadienne de géotechnique</i> <b>Greg Siemens, P.Eng.</b> <a href="mailto:siemensg@queensu.ca">siemensg@queensu.ca</a>	
<i>Regina Geotechnical Group</i> <b>Kyle Mason, P. Eng.</b> <a href="mailto:kyle_mason@clifton.ca">kyle_mason@clifton.ca</a>	2022	<i>Editor, CGS News in Canadian Geotechnique 2021</i> <i>Directeur de rédaction des Nouvelles de la SCG dans Géotechnique canadienne</i> <b>Nicholas Beier, P.Eng.</b> <a href="mailto:nabeier@ualberta.ca">nabeier@ualberta.ca</a>	
<i>Manitoba Section</i> <b>David Kurz, P.Eng.</b> <a href="mailto:dkurz@ksgsgroup.com">dkurz@ksgsgroup.com</a>	2022		
<i>Thunder Bay Section</i> <b>Wesley Saunders, P. Eng</b> <a href="mailto:wsaunders@gkmconsultants.com">wsaunders@gkmconsultants.com</a>	2021	<i>Representative of CSCE on CGS Board June 2021</i> <i>Représentant de la SCGC sur le Conseil de la SCG</i> <b>Catherine Mulligan, ing.</b> <a href="mailto:catherine.mulligan@concordia.ca">catherine.mulligan@concordia.ca</a> / <a href="mailto:president@csce.ca">president@csce.ca</a> ;	
<i>Sudbury Section</i> <b>André Bom, P. Eng.</b> <a href="mailto:Andre_Bom@golder.com">Andre_Bom@golder.com</a>	2021		
<i>London Section</i> <b>Andrew Stewart, P. Eng.</b> <a href="mailto:andrew.stewart@englobecorp.com">andrew.stewart@englobecorp.com</a>	2021	<b>Chairs of Technical Committees</b> <b>Présidents Comités Techniques</b>	
<i>Southern Ontario Section</i> <b>Billy Singh, P. Eng.</b> <a href="mailto:bsingh@terraprobe.ca">bsingh@terraprobe.ca</a>	2021	<i>Education Committee</i> <i>Comité sur l'éducation</i> <b>Pooneh Maghoul, P. Eng.</b> <a href="mailto:Pooneh.Maghoul@umanitoba.ca">Pooneh.Maghoul@umanitoba.ca</a>	2022
<i>Kingston Section</i> <b>E. Maria Skordaki</b> <a href="mailto:emskordaki@gmail.com">emskordaki@gmail.com</a>	2021	<i>Geohazards Committee</i> <i>Comité sur les géorisques</i> <b>Scott McDougall, P.Eng.</b> <a href="mailto:smcdouga@eoas.ubc.ca">smcdouga@eoas.ubc.ca</a>	2022
<i>Ottawa Geotechnical Group</i> <b>Paul Simms, P.Eng.</b> <a href="mailto:paul_simms@carleton.ca">paul_simms@carleton.ca</a>	2021	<i>Heritage Committee</i> <i>Comité sur le patrimoine</i> <b>Heinrich K. Heinz, P.Eng.</b> <a href="mailto:HHeinz@thurber.ca">HHeinz@thurber.ca</a>	2021
<i>Section régionale Ouest-du-Québec</i> <b>Mourad Karray Benhassen</b> <a href="mailto:Mourad.Karray.Benhassen@USherbrooke.ca">Mourad.Karray.Benhassen@USherbrooke.ca</a>	2022		

<b>Mining Geotechnique Committee</b> <b>Comité technique sur la géotechnique minière</b> <b>Thomas Pabst, ing.</b> <a href="mailto:t.pabst@polymtl.ca">t.pabst@polymtl.ca</a>	2021	<b>Director, Communications and Society Operations / Directrice, Communications et opérations de la Société</b> <b>Lisa Reny</b> <a href="mailto:admin@cgs.ca">admin@cgs.ca</a>
<b>Professional Practice Committee</b> <b>Comité sur la pratique professionnelle</b> <b>Seán Mac Eoin, P. Eng.</b> <a href="mailto:sean.maceoin@tetrattech.com">sean.maceoin@tetrattech.com</a>	2022	<b>Coordinator, Communications and Member Services</b> <b>Coordonnatrice, Communications et services aux members</b> <b>Emily Fournier</b> <a href="mailto:efournier@cgs.ca">efournier@cgs.ca</a>
<b>Sustainable Geotechnics Committee</b> <b>Comité sur la géotechnique durable</b> <b>Catherine Mulligan, ing.</b> <a href="mailto:catherine.mulligan@concordia.ca">catherine.mulligan@concordia.ca</a>	2021	<b>REPRESENTATIVES ON OTHER ORGANIZATIONS / REPRÉSENTANTS AUPRÈS D'AUTRES ORGANISATIONS</b>
<b>Transportation Geotechnique Committee</b> <b>Comité sur la géotechnique des transports</b> <b>Harpreet Panesar, P.Eng.</b> <a href="mailto:Harpreet.Panesar@gov.sk.ca">Harpreet.Panesar@gov.sk.ca</a>	2023	<b>Representative to EIC Council</b> <b>Représentant sur le Conseil de l'ICI</b> (CGS President /Président de la SCG) <b>Ian Moore, P.Eng.</b> <a href="mailto:president@cgs.ca">president@cgs.ca</a> / <a href="mailto:moore@civil.queensu.ca">moore@civil.queensu.ca</a>
<b>Membership Committee</b> <b>Comité des membres</b> <b>David Wood, P. Eng.</b> <a href="mailto:rockdoc.david@gmail.com">rockdoc.david@gmail.com</a>	2022	<b>Representative to CFES Council</b> <b>Représentant sur le Conseil de la FCST</b> <b>Mamadou Fall</b> <a href="mailto:vpotech@cgs.ca">vpotech@cgs.ca</a> / <a href="mailto:mfall@uottawa.ca">mfall@uottawa.ca</a>
<b>Geotechnical Research Board</b> <b>Conseil de la recherche en géotechnique</b> <b>Greg Siemens, P.Eng.</b> <a href="mailto:siemensg@queensu.ca">siemensg@queensu.ca</a>	2022	<b>Representative to CSCE Board</b> <b>Représentante sur le Conseil de la SCGC</b> (CGS President /Président de la SCG) <b>Ian Moore, P.Eng.</b> <a href="mailto:moore@civil.queensu.ca">moore@civil.queensu.ca</a> / <a href="mailto:president@cgs.ca">president@cgs.ca</a>
<b>Past Preship / Ancien president</b> <b>Mario Ruel, ing.</b> <a href="mailto:mruel1508@gmail.com">mruel1508@gmail.com</a>	2021	
<b>CGS National Office / Bureau national de la SCG</b> 2167 166 Street, Surrey, BC V3Z 0V6 Tel: 604 277 7527 <a href="mailto:info@cgs.ca">info@cgs.ca</a>		
<b>Executive Director / Directeur général</b> <b>Michel Aubertin, ing.</b> <a href="mailto:ExecDir@cgs.ca">ExecDir@cgs.ca</a> ; <a href="mailto:DirGen@cgs.ca">DirGen@cgs.ca</a>		
<b>Administrator / Administrateur</b> <b>Karma-Link Management Services</b>		



I am pleased to write this first report as President, and provide a summary of key developments over the past year, and the excellent ongoing status of the Society. Following extraordinary efforts by members across Canada (at local, regional and national levels), operations have continued through virtual meetings and seminars, and of course the Society's first virtual national conference (the GeoVirtual Conference last Fall). Membership did dip last year, but it has been growing this year and has essentially returned to pre-pandemic levels – a wonderful reflection of the goodwill we enjoy and the effectiveness of the work of so many people. So, while I will mention below some specific members who provided leadership through the last twelve months, I wanted to start my report with a sincere 'bravo' to everyone who maintained engagement and supported the CGS through this period.

Thanks to President **Mario Ruel** and his Vice Presidents **Rob Kenyon**, **Judith Bouchard** and **Kent Bannister**, who together with the other Executive Committee members (**Dave Gautier**, **Vincent Castonguay** and **Billy Singh**) and our Executive Director **Michel Aubertin** and Office Staff **Lisa Reny** and **Emily Fournier** performed exceptionally well last year under the C19 circumstances. They worked with Calgary Conference co-Chairs **Justyna Kos-Fairless** and **Daniel Bertrand** and their LOC to set up and run our Society's first annual virtual conference – a huge success pivoting to virtual delivery and offering a meeting of high quality and engagement. My favourite event was an outstanding roundtable on Women in Engineering, with participants from across Canada and in various other countries. The conference was a key means of maintaining the connections so many of us value with the Society and its members.

I greatly appreciate the willingness of Vice Presidents **Mamadou Fall** (Technical), **Justyna Kos-Fairless** (Communications and membership) and **Andrea Lougheed** (Finance) to take up these assignments, and they have been working very effectively with me to set our goals for the 2 years of our terms in office (supporting Diversity, Technical Offerings, Volunteers, and Revenue). Thanks also to **Thomas Pabst** for joining the EC earlier this year as the new Division/Committees rep.

The new P-VP team and everyone in the society benefit a great deal from the exemplary support of our Executive Director, Michel Aubertin; Director, Communications and Society Operations, Lisa Reny, Coordinator, Communications and Member Services Emily Fournier – thank you all!

VP Technical **Mamadou Fall** is responsible for the many technical activities of the society, such as conferences, lecture tours, and projects like the Canadian Foundation Engineering Manual (see later item). His work has included rescheduling of the Cross Canada Lecture Tour to address COVID interruptions. I am optimistic that the regular in-person tours will resume in 2022.

VP Communication and Membership Services **Justyna Kos-Fairless** has been working drafted new guidelines for social media and email use, to be considered by the Board of Directors. Together with the membership committee chaired by **David Wood**, she hosted a virtual Townhall meeting during the summer. Canadian Geotechnique, our excellent CGS magazine published by Karma-Link with **Lisa Reny** as the managing editor continues to exceed expectations, and deliver excellent technical and other content for our members

VP Finance **Andrea Lougheed** is very effectively steering the finances of the Society, which includes engagement in activities like Conferences and the Contracts with the CFEM Editors and Publisher. This critical task has been particularly challenging due to the pandemic situation.

**Ken Skaffeld** and **Rob Kenyon** have been formally appointed as Editors of the Canadian Foundation Engineering Manual, augmenting Ken's prior work as Project Manager. Canadian Science Publishing (CSP), who have been the excellent publisher of the Canadian Geotechnical Journal for many years now and offer

superb copy editing services, have been formally appointed to publish the Manual. Further, I am delighted that the long-term Scientific Publishing Editor for the Canadian Geotechnical Journal, **Lesia Beznaczuk** is looking after this project. Thanks to the Editors and lead authors dedicated work, delivery of all chapters to CSP is on track for the end of 2021, with publication scheduled for completion by the Fall of 2022. This new online edition of the CFEM will be a very valuable technical resource for our members, and will also generate welcome revenues for the Society.

And following on with this theme, The Canadian Geotechnical Journal continues to excel under the editorships of **Daichao Sheng** and **Greg Siemens**, and its Impact Factor that has risen to new heights. Special thanks to Daichao Sheng who is stepping down after eight years of exemplary work as Editor – the second longest such term in the history of the Journal. During those eight years, the journal's performance metrics improved significantly – in no small part due to Dr Sheng's diligence and perceptive guidance. So, on behalf of the CGS, special congratulations to Craig and Daichao on these wonderful achievements and thank you for all your efforts. **Charles Ng**, a long term CGS member from Hong Kong (and current ISSMGE President) and Associate Editor for the Journal (and current ISSMGE President) has been appointed to replace Dr Sheng, with Greg Siemens continuing in his role as Editor in Chief.

There is one member who is appointed to the Executive Committee by designation of the President – the Young Professional (YP) Representative. **Vincent Castonguay**, the current YP Rep. has been developed a proposal for a new CGS YP Committee. This follows many excellent initiatives to promote engagement with the Society by the next generation of professionals, such as the Young Members conferences, two awards specifically for Young Professionals, and development of the University Chapters. The new committee will report to the VP Communications and Membership, and will bring additional capacity to maintain and extend these initiatives.

Thanks also to the CGS National office for the support and guidance: Executive Director, **Michel Aubertin**; Director, Communications and Society Operations, **Lisa Reny**; Coordinator, Communications and Member Services **Emily Fournier**.

I am delighted that the Nominating Committee for President Elect has identified **Rob Kenyon**. His appointment as President-Elect of the Society will be ratified at the BOD meeting. Dr Kenyon's term as CGS President will run during 2023 and 2024. As indicated earlier, Dr Kenyon has been actively engaged in the CFEM update project, and will step down from his position as Co-Editor by January 1<sup>st</sup>, 2022 (by which time the manual chapters should have all been delivered to the publisher). Dr Kenyon has been a long term contributor to the Society, and has excellent skills developed over his outstanding career. I look forward to working with him in this important new role.

Additional information is provided in summary reports from the VPs and other members of the EC; the CGS Annual Report, with contributions from all Board members, will again be made available to members on the web site later this Fall.

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### ***Vice-President Technical Annual Report – Mamadou Fall***

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The main technical activities undertaken in the past year are summarized below.

#### **Cross Canada Lecture Tour (CCLT)**

The CCLT is a very successful program with the tour stops being highly sought after by the local sections. The CCLT has become nationally and internationally known and respected. The 2020 CCLT events were cancelled due to the ongoing Pandemic and restrictions on both travel and public gatherings. CGS plans to

restart the CCLT in the Fall 2021. The CCLT plan is as follows. The Fall 2021 speaker will be Prof. Doug Stead, Simon Fraser University, BC. The Spring 2022 speaker will be Prof. Ellen Rathje, Texas A&M University, USA. The Fall 2023 speaker will be Prof. Jocelyn Hayley, University of Calgary, AB. The Spring 2023 speaker will be Prof. Steve Kramer, University of Washington, USA. The travel for these tours is funded by the Canadian Foundation for Geotechnique and the generous support of industry. The CGS wishes to thank everyone involved in planning, sponsoring and hosting of these talks every spring and fall.

### **Canadian Foundation Engineering Manual (CFEM)**

- The preparation/production of the next version of Canadian Geotechnical Engineering Manual (CFEM 2021) is progressing. The CFEM 2021 will include 25 chapters. Four new chapters have been added compared to the previous CFEM version. There are over 75 members actively contributing to the various chapters; there is an active Senior Advisory Committee of 14 very senior and known members of our community, and there are over 30 external reviewers. A monthly CFEM progress meeting has been held.
- The new chapters focus on Permafrost, Physiography and Geology of Canada, Groundwater Control, and Instrumentation
- 17 draft chapters have been received (Chapters 3, 4, 6, 7, 9, 11, 12, 13, 14, 18, 19, 20, 21, 22, 23, 24, 25).
- Progress has been made in the review of the submitted chapters. External reviews are now completed for seven chapters.
- Three chapters (Chap. 3: Geology, Permafrost..., Chap. 6: Limit States Design, and Chap. 14; Frost Action) have been sent to CSP for production)
- Four revised chapters (Chap. 4: Classification of soil and rock, Chap. 7. Settlement and Deformation, Chap. 9 Shallow Foundation, Chap. 12: Foundations on expansive soils) are currently being reviewed by the editors.
- The editors, Rob Kenyon and Ken Skafffeld, plan to complete the CFEM manual by the end of 2022 at the latest. They intend or agree to announce the completion of the CFEM manual at GeoCalgary 2022.
- Rob Kenyon (RK) and Ken Skafffeld (KS) have been appointed as the CFEM editors. The CGS President, Ian Moore, has finalized the agreement with the CFEM editors. The contract has been signed by all parties.
- The CGS President has finalized the agreement with Canadian Science Publishing (CSP). The contract has been signed by all parties.
- The term "Manual" rather than "Guidelines" is still open for discussion
- The CFEM 2021 will not be published as an e-book

### **Colloquium and Colloquium Lecture Series**

The Colloquium Lecture Series is strong and active and has been showcasing young emerging talents within CGS for decades.

- The 2020 Colloquium speaker at GeoVirtual 2020 Calgary was Dr. Ariane Locat. Dr. Ariane Locat, has given the following online Colloquium Lectures: for the (i) Kingston Section on December 2, 2020; (ii) Quebec City Section on February 5, 2021; (iii) Ottawa Section on April 21, 2021; (iv) Vancouver Section on May 20, 2021.
- Dr. Locat intends to contact the Newfoundland and Labrador Section to offer to give her colloquium lecture in an online format. Dr. Locat's Colloquium Lecture Series is extended until December 2021 due to the restrictions related to COVID.

- The 2021 Colloquium speaker will be Renato Macciotta Pulisci from the University of Alberta, as selected by the Geotechnical Research Board.
- The selection process for the 2022 CGS Colloquium has been completed. The name of the 2022 Colloquium Speaker to be announced at GeoNiagara 2021. The Selection Committee was chaired by the Chair of BRG Greg Siemens.

### **CGS/SCG Sponsored, Co-Sponsored and Supported Conferences**

- **Calgary GeoVirtual 2020:** It was hosted by the Calgary LOC, co-chaired by Justyna Kos-Fairless and Daniel G. Bertrand. The conference was wildly successful. Over 550 delegates and guests were in attendance and nearly 160 papers were presented, in addition to the keynote speakers and the special sessions.
- **Geo Niagara 2021:** The planning is well underway, with plans for a hybrid (in-person + some virtual components) event. The LOC has been organizing monthly meeting. The technical program will include over 300 oral and poster presentations. the following CGS keynote lectures, special sessions, and networking events are planned: (i) 2021 RM Hardy Keynote Address: Mark Diederichs; (ii) 2021 Canadian Geotechnical Colloquium: Renato Macciotta Pulisci; (iii) Professional Practice Special Sessions; (iv) Mining Geotechnique Special Session.
- **GeoCalgary 2022:** It will replace the cancelled 2020 in-person conference. The planning is underway and the MOU has been signed.
- **Canadian Young Geotechnical Engineers Conference, (7) cYGEGC 2022:** Planning underway to be held in Calgary in 2022. The LOC has been organizing regular meetings.
- **Geo Saskatoon 2023:** committee formed; facilities booked and planning underway.
- **Geo Montreal 2024:** proposal received and approved by BOD.
- **ISSMGE Conference 2022:** The 20th International Conference on Soil Mechanics and Geotechnical Engineering (ICSMGE 2022) will now take place from Sunday 1st to Thursday 5th May 2022. The conference will take place as an in-person event. Paper submission deadline closed on June 1, 2021. GCS has 25 Canadian papers submitted. The review of Canada's papers submitted to the ISSMGE conference is underway. Final papers are due September 1, 2021.
- **International Young Geotechnical Engineers Conference (7iYGEGC) 2022:** 2 Canadian Abstracts submitted as preferred candidates. These candidates also receive the iYGEC Travel Award and are Vincent Castonguay and Steven Harms.
- **RockEng 2021:** Symposium supported by CARMA, Queens, CGS. It was originally scheduled from Sunday August 16 to Tuesday August 18, 2020, but due to the COVID-19 pandemic, we have postponed the Symposium to August 2022.
- **2022 8<sup>th</sup> Geohazards Conference:** CGS and EQ Section hosting; planning is underway.

### **MOUs, Conference Report Review and Other Activities**

- The review of the final report of Virtual GeoCalgary 2020 has been completed. The revised report has been submitted to CGS.
- The MOU for GeoCalgary 2022 has been finalized and signed.
- The 1<sup>st</sup> draft MOU for Saskatoon 2023 has been finalized. The Co-Chairs of Saskatoon 2023 met with Michel Aubertin (CGS Executive Director) and Mamadou Fall (CGS VP Technical) to discuss about the preliminary MOU.
- Transition meeting with the former VP Tech, Rob Kenyon, was held on January 15, 2021. I would like to thank Rob Kenyon for his availability
- I have received Rob Kenyon's CGS files/documents on April 13, 2021 via Dropbox

- Work meeting between the new VP Tech (Mamadou Fall) and the Section Representative (Billy Singh) was held on March 9, 2021. I would like to thank Billy Singh for his availability

### **Divisions and Committees**

Most Technical Divisions and Committees have remained active over the last year as indicated in the reports submitted by the Divisions and Committees.

### **CGS Local Sections**

Most CGS Local Sections have remained active over the last year as shown in the reports submitted by the CGS Section Representative and Section Directors/. Sections held an average of five events. Most of the events were virtual technical lectures.

### **Canadian Geotechnical Research Board (GRB) and Colloquium Lecture Series**

The GRB chaired by Greg Siemens continued to promote research within the geotechnical community. The CGS 2020 Colloquium speaker at GeoVirtual Calgary was Dr. Ariane Locat from the University of Laval. The 2021 Colloquium speaker at GeoNiagara 2021 will be Dr. Renato Macciotta Pulisci from the University of Alberta. The selection process for the 2022 CGS Colloquium has been completed. The name of the 2022 Colloquium Speaker to be announced at GeoNiagara 2021. The Chair of BRG (Greg Siemens) has participated in the selection process of the Gzowski Medal (best paper award) of CSCE. The BRG virtual (ZOOM) meeting was held in December 2020. BRG intends to organize a special session (NSERC on Alliance Grants) in GeoCalgary 2021.

### **Canadian Geotechnical Journal (CGJ)**

The CGJ continues to be an internationally recognized journal and an excellent resource for our members. CGJ received 779 manuscripts in 2020 (vs 851 in 2019). The CGJ's 2-year impact factor increased from 2.80 in 2019 to 3.725 in 2020. Thank you to the Editors, the Associate Editors and the Paper Reviewers for an outstanding work, which continues the tradition of this world class journal. Editor-in-Chief, Prof. Daichao Sheng (DS) has decided to step down by the end of 2021. DS has made an outstanding contribution to the journal's success. He will be replaced by Charles Ng, who has been an Associate Editor (AE) of the journal since 2002.

### **Committees**

- The Sustainable Geotechnique Committee, chaired by Catherine Mulligan, reviewed papers and chaired the Sustainable Geotechnique session for the GeoVirtual Conference 2020. It also organized two virtual committee meetings after the GeoVirtual conference in Oct. 2020 and March 2020.
- The Education Committee, chaired by Pooneh Maghoul, continues to do a great job organizing the CGS Student Competitions as well as administering the Michael Bozozuk National Graduate Scholarship and the recent CFG Dennis Becker Graduate Student Award. Moreover, the committee has been organizing a brand new monthly CGS Education Committee webinar series 'Future of Geotechnical Education at the University Level. In this webinar series, speakers are invited to give a seminar about different topics related to geotechnical education, professional development, and leadership as well as best strategies in Equity, Diversity, and Inclusion (EDI) in geotechnical practice.
- The Transportation Geotechnique Committee (TGC), chaired by Harpreet Panesar, held three meetings (on October 2, 2020, Feb 03, 2021, and June 23, 2021). It also organized two technical lectures on Feb 03, 2021 (Lecture # 1) and June 23, 2021 (Lecture # 2). The Lecture #1 (Micropiles Design and Construction for Infrastructure Projects in North America" by Dr Don Dotson) was attended by more than 100 people while the Lecture # 2 (Soil-Structure Interaction of Buried Infrastructures" by Dr Hany El Nagggar) attracted more than 200 people.

- The Professional Practice Committee, chaired by Seán Mac Eoin, organized a Special Session at GeoVirtual 2020 on Tuesday 15 September (Geotechnical risks and other issues pertaining to different procurement models). Three executive committee meetings were held on 2 September 2020, 4 November 2020, and 16 June 2021.
- The Geohazards Committee, chaired by Scott McDougall, participated in the nomination and selection process for the Schuster Medal, organized an online graduate student research series (Geohazard Connections), and held meetings on October 1, 2020 and February 22, 2021. The committee is helping to organize the GeoHazards 8 conference, 2022, Quebec.
- The Mining Committee, chaired by Thomas Pabst, held an annual meeting on October 1, 2020. The committee is currently working on organizing a Special Session on Mining Geotechnique (Selected Case Studies) at GeoNiagara 2021 and publishing a Special Mining Geotechnique Issue in CGS Magazine.
- The Heritage Committee, chaired by Heinrich Heinz, continued, in collaboration with the CGS Education Committee, to promote the 'Canadian Legends Series'. Moreover, it continued to populate the Virtual Archives with contributions from CGS Members. The committee also formed a subcommittee for selection of themes/articles for the Special Heritage Issue of CG/Gc to be published in 2022. Three new members have joined the Heritage Committee during this past year.

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***Vice-President Finance Annual Report – Andrea Lougheed***

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### **Introduction**

The following is a statement of the CGS finances for the period January 1 to June 30, 2021. 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 June 30, 2021**

Revenue to date are \$241.9K compared to \$276.4K for the same period in 2020. Membership due revenue is down \$10.8K, publication revenue is down \$0.5K, while sponsorship revenue is \$14.2K is higher than the same period in 2020. The reduction in membership dues revenue relates to a change in accounting for secondary memberships for international societies, which is also reflected in lower international membership expenses. Direct membership fees through are on par with the same period in 2020. Conference revenue is down \$20.0K from 2020 due to the early revenue received from ASCE GeoCongress 2020.

Expenses paid in 2021 are \$173.5K compared to \$188.0K for the same period in 2020. The difference in expenses is largely due to a reduction in society operation costs related to the elimination of an in-person Executive Committee meeting in the spring and cancellation of the spring CCLT due to COVID-19.

### **Full Year 2021 Budget and Current Forecast (000s)**

	FY 2020 Audited	2021			
		Budget	To June 30, 2021	Full Year Forecast	FY Forecast v Budget
Membership Dues	230.8	230.0	203.2	220.0	-10.0
Publications	15.2	20.0	9.2	15.0	-5.0
Conferences	49.0	20.0	-	0.0	-20.0
Sponsorships	14.2	20.0	28.5	28.5	8.5

Other	1.2	4.0	0.5	1.0	-3.0
<b>Total Income</b>	<b>310.4</b>	<b>294.0</b>	<b>241.9</b>	<b>264.5</b>	<b>-29.5</b>
Int'l. Memberships	24.4	20.0	7.1	15.0	-5.0
Conferences/CCLT	4.1	5.0	0.0	5.0	-
Publications	88.1	94.0	63.7	92.0	-2.0
Staff Fees	169.4	162.0	81.3	162.60	+0.6
Society Operations	41.3	66.0	22.1	45.0	-21.0
New Initiatives	5.3	5.0	0.0	1.0	-4.0
Miscellaneous	0	2.0	- 0.7	1.0	-1.0
<b>Total Expenses</b>	<b>332.6</b>	<b>354.0</b>	<b>173.5</b>	<b>321.6</b>	<b>-32.4</b>
<b>Profit (Loss)</b>	<b>(22.2)</b>	<b>(60.0)</b>	<b>68.4</b>	<b>(57.1)</b>	<b>+2.9</b>

## Notes to Accompany Summary of Revenues and Expenses

### Income

- First-half membership dues of \$203.2 k are the result of strong renewals from members. CGS had a total of 1155 active members on June 30, 2021 compared to 971 active members for the same time period in 2020. We are forecasting an incremental \$16.8 K for the remaining 2021 fiscal year.
- In 2021, revenue and expenses related to secondary international society memberships was removed and is reflected in reduced membership dues revenue and international membership expenses.
- Publication revenue from the 4<sup>th</sup> Edition Canadian Foundation Engineering Manual (CFEM) is lower than previous years and is a result of the 5<sup>th</sup> Edition CFEM becoming available in 2022. To June 30, 2021, CFEM sales totaled 46 copies.
- GeoNiagara is targeting a balanced budget which means that no conference revenue is anticipated for 2021.
- Corporate sponsorship revenue has doubled compared to the 2020 fiscal year with total commitments from 25 companies equating to \$28.5K in revenues for 2021.

### Expenses

- First half expenses related to international memberships, publication and staff fees are tracking similarly to 2020, while society operation and new initiatives expenses are tracking lower than 2020.
- Since there wasn't a spring CCLT, there are currently no expenses under the category conference/CCLT. The fall CCLT is being planned with forecasted expenses of \$5K for 2021 fiscal year (note: CCLT expenses are jointly funded with CFG).
- Society operations expenses continue to be minimized primarily due to lower travel costs (i.e. no spring meeting, no travel to affiliate conferences).
- New initiatives spending for 2021 includes seed money for the Western University and University of Ottawa Student Chapters.

## Balance Sheet as of June 30, 2021 (000s)

<b>Assets</b>	Cash (chequing & savings)	\$ 396.6
	Restricted Funds	\$ 49.9
	Accounts Receivable	\$ 25.3
	Loans to CFG	\$ 335.0

	Seed Funds / CFEM 2021	\$60.0
	Fixed Assets	\$0.2
<b>Total Assets</b>		<b>\$876.3</b>

<b>Liabilities</b>	Accounts Payable	\$49.7
	GST / HST Paid & Payable	-\$0.5
	Accrued Liabilities	\$9.0
	Flowthrough Payables	\$23.8
	Education Committee - Restricted	
<b>Total Liabilities</b>		<b>\$82.0</b>

<b>Equity</b>	Retained Earnings	\$667.5
	Restricted Funds	\$49.5
	Profit for the Year	\$77.3
<b>Total Equity</b>		

<b>Total Liabilities &amp; Equity</b>		<b>\$876.3</b>
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## Notes and significant factors impacting the Balance Sheet

- Outstanding Seed Funds:
  - GeoCalgary: \$20 K
  - GeoNiagara: \$20 K
- Loan Investment in 5<sup>th</sup> Edition CFEM:
  - \$20 K payments to the CFEM coordinator (included with Seed Funds on the Balance Sheet)
- Restricted Funds Breakdown:
  - Geohazards: \$ 10.1 K
  - Cold Regions: \$ 12.8 K
  - Education Committee: \$ 18.2 K
  - Engineering Geology: \$ 8.8 K

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## ***Vice-President Communications and Member Services Annual Report – Justyna Kos-Fairless***

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### **Section 1: General**

Date of report: August 19, 2021

Prepared by: Justyna Kos-Fairless, VP Communications and Member Services

End of Term: December 2022

### **Section 2: Membership**

The Membership Committee (MC), chaired by David Wood since January 2020, met on a monthly basis since February 2021 using the Zoom platform. Initially, the MC looked at the recommendations of the Membership and Data report completed in 2019. Based on that a list of proposals and associated actions was established. The following initiatives will be given priority in the following year:

- Understand and market the value of being a CGS member
- Promote and encourage volunteering
- Improve communication and be closer to our members
- Encourage Young Professionals to become and/or stay CGS members



- Increase conversion of local members to national members
- Increase the number of new members

The MC has already started working on some of those plans. Here are some of the accomplishments in the last year:

- A promotional video for CGS was created in 2019 and distributed early this year to local sections in order for them to play it at the beginning of their webinars.
- A business case for lower fees for Young Professionals was drafted but put on hold due to the proposition of forming a formal Young Professional Committee, in which case it would become one of their initiatives to pursue.
- Encouraging local sections to share webinars with all CGS members.
- The translation of the summary of the Membership and Data report was initiated
- A one hour long Townhall was held on June 17<sup>th</sup> using the Remo platform. The intent of the Townhall was to engage with our members, give them an opportunity to meet the new EC, ask questions, share their ideas, and network. 26 people were in attendance but the event was recorded and posted on the CGS website. This initiative was in response to a finding highlighted in the Membership Committee survey that the members want to better understand how the CGS works and operates. For that reason, the Townhall was advertised on e-News as well as social media so non-members could attend.

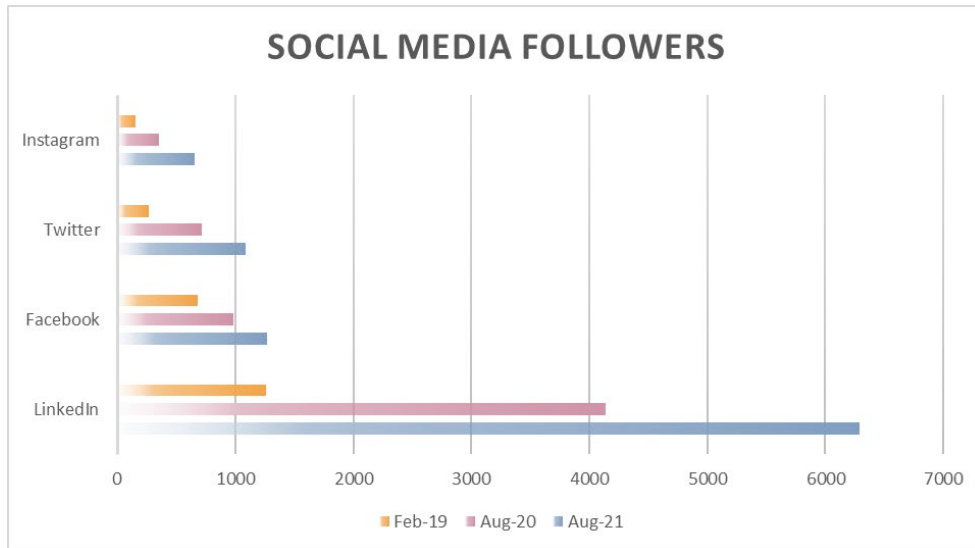
There are currently 1,196 active members, which is in line with the average number of members between 2008 and 2014. As a reminder, in 2014 we started offering free membership to conference attendees, which increased the number of members by an average of 18%. This program was not offered in 2020 because of the low registration cost of GeoVirtual, which means that our current numbers are well in line with our past performance.

### **Section 3: Communication**

The E-News were issued every month in the past year and continue to be an effective communication tool, with an average of 50% open rate, with slightly lower % in December and the summer months. This is significantly above the industry average of 23%.

Social media followers continued to increase throughout the year, with LinkedIn and Twitter seeing an increase of over 50% and Instagram saw an increase of 86%, however the total number of followers is still much lower than platforms. LinkedIn continues to be the most popular with 6,287 followers to date.

Because of the importance of social media for CGS, the EC feels it is important to keep a steady flow of new information and consistency. It was noticed that some Divisions have started their own social media accounts and there is a concern that this will dilute the followers. Therefore, guidelines on usage of social media have been drafted, suggested there should be only one account for CGS and all material should go through the













Secretariat. Local sections could still have their own accounts as they are separate entities. Those guidelines, if adopted, will be included in the CGS Administration manual.

In the spirit of continuing the CGS efforts to engage women in the geotechnical field and leverage the popularity of social media, the executive committee decided to showcase 4 female members to showcase during the International Women in Engineering day on June 23<sup>rd</sup>. The women were selected based on their active engagement with the Society and not having previously received significant recognition. The women that were chosen were Ryley Beddoe, Judith Bouchard, Leanne McLaren and Sumi Siddiqua. Two members of the executive committee (AL and JKF) conducted interviews with the 4 women and wrote an article that was published on the CGS website. Highlights from the article were posted on CGS social media on June 22<sup>nd</sup> and 23<sup>rd</sup> and a shorter version was published in the E-News in July.

The executive committee would also like to organize events for women in CGS on a bi-annual basis. One of the events would be held during the annual conference and a second one about 6 months later, which would fall around Internal Women's Day on March 8<sup>th</sup>.

## Section 4: Website

Country	Users	% Users
1.  Canada	13,104	44.03%
2.  United States	4,445	14.94%
3.  China	2,558	8.60%
4.  Pakistan	2,098	7.05%
5.  United Kingdom	1,267	4.26%
6.  United Arab Emirates	829	2.79%
7.  India	568	1.91%
8.  Japan	309	1.04%
9.  Australia	290	0.97%
10.  Germany	240	0.81%

Looking at the google analytics data between July 1<sup>st</sup>, 2020 and June 30<sup>th</sup>, 2021, the CGS website had 87,623 page views, with 12% being returning visitors. 11% of the users logged into the Member's site.

Users originated from 10 different countries, with 44% from Canada and 15% from the United States. Interestingly, 50% of the users were under 34, and 32% were female. Direct traffic (i.e. bookmarked) increased from 39% to 46%, 48% of the clicks came from organic search

(mostly Google) and the remaining are from referrals from other sites.

## Section 5: Webinars

Despite of the success for the webinar series organised last year, it was decided to discontinue the subscription with the WebEx platform as many Divisions and Local Sections started holding their own webinars. The following events were shared with all CGS members:

- Feb 24, 2021: Southern Saskatchewan section – Legal Risks and Mitigation Strategies for your Geotechnical Project by Bennet Misskey, Jeremie Roussel and Andrew Konopelny from MLT Aikins Lawyers
- Feb 26, 2021: The CGS Education Committee – ‘Animating Soil Models’: Animations as teaching and learning material for soil constitutive modeling by Dr. Gertraud Medicus, University of Innsbruck, Austria
- May 13-14, 2021: Collaboration between the Université du Quebec à Chicoutimi, the Government of Quebec, and the Eastern Québec (Québec) Section - The 1971 Saint-Jean-Vianney Disaster: 50 Years of Progress in Geotechnical Knowledge virtual conference

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### *Young Professional Representative Summary Report – Vincent Castonguay*

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## Section 1: General

Date of report: August 1<sup>st</sup>, 2020

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

End of Term: December 31<sup>st</sup>, 2021

## Section 2: Report on young member events

- A report the Canadian Young Geotechnical Engineers and Geoscientists Conference (cYGEGC) was written in which recommendations to enhance and sustain the conference series were presented. Among these, a new name was proposed for the conference series: the CGS Young Professionals Conference. A new profit split scheme was proposed for the conference, ensuring a part of the profits would go back to future editions. A new logo was also designed.

- CGS Young Professionals Conference 2022: An organizing committee led by Will Smith and Hugh Gillen was assembled to lead the organization of a conference in the Banff area in the fall of 2022, the week prior to GeoCalgary 2022. A MOU between the local organizing committee (LOC) was signed in the spring of 2021. A first deposit was arranged with the Banff Arts Center, securing conference facilities at the venue for the length of the conference.
- GeoVirtual 2020: A YP special session was held on Tuesday September 15<sup>th</sup>, 2020. The event was held on the online platform Remo.co and lasted 1h30. The first part of the event consisted of group discussions regarding how covid-19 impacted the field of geotechnical engineering. A panel discussion follow-up during which questions coming from the host and from the floor were asked to a group of three panelists (Marc Smith, Ariane Locat and John Sobkovic). The session attracted many young professionals.
- GeoNiagara 2021: A YP special session is scheduled during the Sunday night icebreaker. Panelists will answer questions and debate around themes suggested by the YP organizers. This event is organized in collaboration with the IAHCNC.

### **Section 3: Websites**

Nothing new to declare.

### **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 CGS YP Representative was regularly in contact with other YP representatives from other countries through an initiative led by the ISSMGE.
- The Canadian Dam Association reached out to the CGS YP Representative to learn more about the CGS' presence in universities across Canada.

### **Section 6: Young professionals awards**

- The CGS Early Achievement award was awarded to Andrea Lougheed at GeoVirtual.

### **Section 7: CGS Student Chapters**

- A report on the CGS Student Chapters was written and presented to the BOD at GeoVirtual. The BOD voted in favor of welcoming the student chapters as a new CGS initiative.
- A new student chapter was formed at Western University in 2021, another one at the University of Ottawa is expected to come to fruition during the 2021 summer.

### **Section 8: Additional information or comments**

- The CGS selected two Canadian representatives to participate in the 7<sup>th</sup> International Young Geotechnical Engineers Conference (7iYGEC) in Sydney next spring: Steven Harms and Vincent Castonguay
- Vincent's term as CGS YP Representative ends on December 31<sup>st</sup>, 2020. A successor has yet to be identified.

## SECTION REPORTS

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### *Sections Representative Annual Report – Billy Singh*

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Most Sections held on average 4 events within 2020/2021 year with exception of a few sections. The events predominantly comprised on-line virtual technical lectures due to regulatory restrictions related to Pandemic. Some Sections continue to require support from the Section Representative, CGS HQ, and well-established neighbouring Sections. There has been significantly increased interaction between Sections through further electronic communication, and providing webcasting of technical lectures.

Quarterly meeting of all sections is arranged (starting fall after Geo St.Johns) to discuss opportunities and issues sections are facing particularly due to the pandemic. One teleconference and one Web Meeting were held in the year as part of the effort for enhanced communication amongst various sections. The issues discussed included: general update from each section, upcoming events for each section, Geo Virtual feedback, opportunities and challenges for CGS Sections in 2021 and beyond, impact of pandemic and restrictions, financial impacts, social and other impacts, measures adopted to meet challenges of this unique situation, membership and participation in various events arranged by individual sections. Based on the feedback it is reassuring to note that while **in-person social networking part is greatly missed, the pandemic situation has actually enhanced interaction between various sections and no significant financial impact reported.**

The following summary is provided based on the 17 section reports received to-date. The information for the unreported section was taken from last year data with respect to number of executive and events etc., and therefore this summary (particularly the highlighted numbers below) may not accurately represent the actual figures.

During this year (July 2020 to June 2021), 161 members of Section Committee Executives – all volunteers – served their almost 2,625 section members, and arranged 79 events (technical events only no social events) achieving over 2,168 attendances (mostly virtually). This does not include the attendance at Virtual Geo 2020. Of the Section Executive Committee members, 7% were students (11 total). Of the 11 student Executives, most were 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 other Sections. From the data reported by various sections some of these comparisons were attempted. All of these comparisons must be reviewed in the context of each Section, such as some sections report numbers from mailing list versus actual paid members. Although the quantification of the information is subjective and there is opportunity for improvement, never the less, the statistics are evidence of the hard work of our sections' efforts in spite of very difficult and challenging times.

Overall **reported** membership increased by 17 percent (no change in student participation) compared to the same point in the 2019/2020 year. three Sections were noted to have annual membership fees that vary between \$15 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 number of events held annually per member of the Section Executive. The average based on the **reported** data is 0.75 events

per Section Executive member with values ranging from 0.0 to 4.0 events. The number of events held per member is also a useful indicator. This averaged 0.05, ranging from 0.003 to 0.11 as per the **reported** data. Another such measure is the annual attendance at events per member of the respective Section Executive. This averages at 73.2, and ranges from 6.0 to 210.0, as per the **reported** data, though this provides no indication of the quality of the events held.

A measure of the participation by local Section members is the attendance per member of the individual section at events. The average attendance rate based on the **reported** data is 4.5 events per member, and this ranged from 0.3 to 10.3. The percentage of the membership sitting on the Section Executives as per the **reported** data ranged from 1.6% to 100.0%, averaging 14.9%. On average, each member of an Executive served 16.3 Section members. Also, on average, about 18 percent of the Executive committee consists of female executive members.

It is clear that the Section Executives and members are coping and adjusting with the unprecedented situation associated with pandemic and restrictions. Most of the events and activities halted due to government restrictions and followed by summer where no events are typically held. Some activity starts to occur in the fall however at a significantly low rate due to transition from customary in-percent to on-line/virtual event model.

Regardless, the first half-year of the CGS term year and subsequently the fall season, sections experienced significant decline in the events and other associated aspects of sections' normal functioning. It is noteworthy though that in general, sections did not report a significant impact of this situation on the Section's finances, as the activities freeze the income and expenses did not alter significantly from pre-restriction period. The data provided by the Sections to-date 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	3/NP	120/NP	33/NP		4				4	130	N	\$ 5,921.47
Vancouver	18/1	426/57	NP	0	9	1			10	135+	Y	\$ 84,006.15
Prince George	5/0	25/NK	15/NK		0				0	0	N	\$ 8,482.77
Interior BC	3/0	92/NP	NP		0				0	0	Y	\$ 12,000.00
Edmonton	14/2	293/NP	68	0	10			0	10	90+	Y	\$ 70,000.00
Calgary	14/NP	97/NP	97/NP	0	10				10	1000	Y	\$ 36,966.61
Regina	5	~50/NP	~15/NP	0	4			0	4	414	N	\$ 38,625.00
Manitoba	9/NP	61/11	61/11		7			0	7	335	Y	\$ 37,797.00
Thunder Bay	2/NP	15/NP	15/NP						0	0	N	\$ 2,983.86
Sudbury	1/0	NP	NP	0	4				4	166	NP	CLOSED
London	12/0	~300NP	NP		1				1	NP	N	\$ 7,585.25
Southern Ontario	13/1	~300/NP	~300/NP	0	9	0	0	0	9	2727	NP	\$ 58,247.40
Ottawa	6/NP	70/NP	NK	0	5		0	0	5	215	Y	\$ 47,000.00
L'ouest-du-Québec	8/NP	500/NP	NP	0	7				7	715	Y	\$ 45,618.00
L'est-du-Québec	14/NP	140/NP	37/NP	0	8		0		8	771	Y	\$ 35,151.42
New Brunswick	5/0	20	20					0	0	0	N	\$ 339.77
Nova Scotia	6/NP	50/NP	NP	0	0				0	0	NP	\$ 16,546.47
<b>Totals</b>	<b>161/11</b>	<b>2625/144</b>	<b>770/26</b>	<b>0</b>	<b>78</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>79</b>	<b>2168+</b>	<b>9</b>	<b>\$ 507,271.17</b>

\* Does not include CGS National Conference

NK = Not Known

4/0 Reports

Received

The student members 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.

Some CGS members live and work in very remote parts of the country, and technology has gradually made it easier to allow them to participate in events particularly under the current conditions. Some Sections already routinely webcasting their lectures, and others are considering / implementing a similar approach to reach more of their members or to assist other Sections due to current governmental restriction on in-person events. The Society acknowledges the benefit of webcasting and knowledge-sharing for the membership, and had provided a web platform to section during the lockdown period, and is working on ways to encourage further webcasting development and interaction between Sections.

The EC and sections are actively contemplating on facilitation of webcasting on a more permanent basis under the current situation. As suggested previously, the following opportunities to help expedite our social media outreach exist to be further explored and implemented:

1. Updating the CGS website to make it appealing and more user friendly providing direct links to various activities
2. Create a YouTube channel to allow for livestreams of technical lectures and events (similar to Geo-Institute of ASCE;
3. Use on-line platforms such as Instagram, Facebook, Twitter to better engage university students; and
4. Establish a structure responsible to maintain and upgrade on-line engagement

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

Billy Singh  
Section Representative  
20 August 2021

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***Vancouver Island BC (Victoria) Section  
Annual Report July 1, 2020 to June 30, 2021***

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**Formal Section Name: Vancouver Island Geotechnical Group (VIGG)**

**Section 1: General**

Date of this report: July 6, 2021

Prepared by: Caleb Scott

Section Director: Caleb Scott

End of Section Director's Term: anticipated Summer 2023

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

**Section 2: Current (Jan 1 - Dec 31, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)**

Chair: Caleb Scott – Thurber Engineering Ltd.

Past Chair: Donald Kaluza - WSP

Vice Chair: Jeff Ferraby - Ryzuk Geotechnical

Past Chair: Caroline Silins – formerly Thurber Engineering Ltd., now graduate student at Queens University



**Section 3: Number of Section Members (as of June 30, 2021)**

Executive Committee Members: 3

Total members (if possible, student and non-student members): Approximately 120 on our mailing list. We do not have a paid membership model.

Total CGS members (if possible, student and non-student members): 33 based on previous years (no current data for 2020/2021 due to virtual model)

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.

Comments:

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**Section 4: Section Finances (as of June 30, 2021)**

Account balance \$5921.47

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, please provide a copy of the Admin Manual.

Is your Section aware of the CGS Lecture Supplement Program? No, please provide details.

Is your Section planning on sponsoring a Student/MIT to attend GeoNiagara 2021 (Admin Manual App 12)? No

<b>Section 5: Section Activities, July 1, 2020 to June 30, 2021</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
January 21, 2021	Doug VanDine	History of Landslide Hazard and Risk Assessments in Canada	~60
March 25	Chris Weech	Limitations of Current Code-Based Approach to Predicting Site Amplification Effects	~40
April 15	Cematrix Canada	Case Studies on Cellular Concrete Applications	~10
May 20	Owen Jiang, Kimberly Jones, Randall Wu	UVic graduate students presented on geotechnical research projects	~20

**Section 6: Additional information or comments**

- Fall session was cancelled due to COVID-19. The section began holding virtual events in the spring to keep our members engaged.
- Our connections with other BC sections (BC Interior, Prince George, Vancouver) was strengthened by the ease of sharing virtual events. VIGG promoted events hosted by others and invited other Sections' members to attend our events.
- There is an appetite for a hybrid model once restrictions ease to improved accessibility to members while maintaining opportunities for face-to-face contact. We haven't figured out how to achieve this yet in terms of live streaming from a meeting room.

**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 in Niagara Falls, at GeoNiagara this September 26?**  
Not in person. Will attend if a virtual option available.

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***Southern BC (Vancouver) Section  
Annual Report July 1, 2020 to June 30, 2021***

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**Formal Section Name: Vancouver Geotechnical Society**

**Section 1: General**

Date of this report: July 8, 2021  
Prepared by: Marc C. Bossé  
Section Director: Vancouver Geotechnical Society  
End of Section Director's Term: December 31, 2023  
Is there a link from your separate Section website to the CGS website? Yes

**Section 2: Current (Jan 1 - Dec 31, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)**

Chair: Tim Morton, Tetra Tech  
Past Chair: Yoshi Tanaka, Kontur Geotechnical  
Program Director: Aran Thurairajah / Kevin Kuei, Golder  
Treasurer: Intisar Ahmed, Thurber  
Secretary: Eryn Alexander / Priyesh Verma, BGC  
Registrar: Ethan Alban, Knight Piésold / Muin Ahmed Alif, Aecon  
Web Manager: Tajinder Singh, Hatch  
CGS Director: Marc Bossé, Thurber Engineering  
Student Representative: Jeremy Young, UBC Student  
Symposium Co-Chairs: Olga Kosarewicz, BCIT / Shane Magnusson, BGC  
Members-at-Large: Kumar Sriskandakumar, BGC / Mahdi Shahrabi, Golder / Jared Whitehead, KCB / Amin Bigdeli, WSP

**Section 3: Number of Section Members (as of June 30, 2021)**

Executive Committee Members: 18  
Total members: 355 regular, 57 student, 14 lifetime, 426 total members  
Total CGS members: Do not track.  
Comments:

- Numbers current as of June 17 and will be re-set (except for life members) at the AGM in the fall.
- The VGS does not undertake any particular measures to attract members beyond the customary ones (e.g. execs encourage juniors at their firms to attend)

**Section 4: Section Finances (as of June 30, 2021)**

Account balance \$84,006.15  
Does your Section charge members an annual fee? Yes.  
If so, how much? \$20

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes, not needed.  
 Is your Section aware of the CGS Lecture Supplement Program? Yes, not needed.  
 Is your Section planning on sponsoring a Student/MIT to attend GeoNiagara 2021 (Admin Manual App 12)? Yes.

Comments:

- The VGS is sponsoring Thushara Jayasinghe of UBC (thushjay@mail.ubc.ca) to attend the conference. Her paper is *Direct Shear Testing to Study Interface Properties between Muskeg and Pipes: Preliminary Findings*. This was communicated to the CGS on June 28.

<b>Section 5: Section Activities, July 1, 2020 to June 30, 2021</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
Aug.28, 2020	Prof. Paolo Zimmaro, Universities of Calabria and California (LA)	Multi-Hazard System Reliability of Distributed Infrastructure	
Nov.4, 2020	Dr. Peter Robertson	Evaluation of Flow Liquefaction and Liquefied Strength Using CPT – An Update	
Jan.12, 2021	Dr. Adda Zekkos, University of California (Berkeley)	Performance of Levees: Learning from the past – looking to the future.	
Feb.10, 2021	Prof. Michael G. Gomez, University of Washington (Seattle)	Bio-cementation Soil Improvement for the Mitigation of Earthquake-induced Soil Liquefaction	
Feb.24, 2021	Tuna Onur and Michal Kolaj	The 6th Generation Seismic Hazard Model of Canada and proposed provisions for the 2020 edition of the National Building Code of Canada	
Mar.8, 2021	Prof. Nina Stark, Virginia Tech.	Geotechnical Investigation of Coastal Sediments with regards to Geomorphodynamics	
Mar.18, 2021	Duncan Wyllie	Risk Management of Rock Slope Instability – UBC Georox Distinguished Lecture	
Apr.22, 2021	Prof. Arash Khosravifar, Portland State University	Design of pile-supported wharves subjected to inertial loads and liquefaction-induced lateral ground deformations	
May 20, 2021	Prof. Ariane Locat, Université Laval	Understanding spreads in Canadian sensitive clays	
May 28, 2021	multiple	27 <sup>th</sup> VGS Symposium on Risk and Liability	135

### Section 6: Additional information or comments

- The economics of the program year was reversed as the Symposium was a notional loss. The web service providers more or less gauged their fees to be equivalent to a hotel venue (space + AV + catering). Turnout was about 70% of normal. Exhibitors evaporated with only 2 compared to a normal of 14 to 16. The exhibitors did not say it explicitly, but I do not expect them to attend another online event.
- The VGS is in a much better financial position than in 2011 at the equivalent point in the conference hosting cycle. The bank balance is roughly 2x what it was in 2011. Thus, it may be possible to roll the funds at CFG over rather than redeem them as conference seed money.

**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 in Niagara Falls, at GeoNiagara this September 26? **Yes**

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

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**Formal Section Name: Northern BC (Prince George) Section**

**Section 1: General**

Date of this report: July 6, 2021

Prepared by: Warren Lemky

Section Director: Warren Lemky

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

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

**Section 2: Current (Jan 1 - Dec 31, 2021) 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, 2021)**

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 in Prince George so pretty much all geotechnical engineers in the community are part of our group.

Comments:

**Section 4: Section Finances (as of June 30, 2021)**

Account balance \$8482.77

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 GeoNiagara 2021 (Admin Manual App 12)? No

Comments:

- There were no talks this term due to Covid-19. Our section was invited to some VGS and Vancouver Island presentations that were well attended by our members but numbers were not tracked. At this time, no talks are planned until further notice in PG. Now that restrictions are easing, we will likely start preparing for future talks later this year.

**Section 6: Additional information or comments**

- The Prince George Section is still planning to hold the Terrain Analysis Workshop put on by J.D. Mollard and Associates for 30 attendees when restrictions are fully lifted. It will be rescheduled for next year likely.

**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 in Niagara Falls, at GeoNiagara this September 26?**  
No

*Interior BC (Kelowna) Section  
Annual Report July 1, 2020 to June 30, 2021*

**Formal Section Name: BC Interior Geotechnical Group**

**Section 1: General**

Date of this report: July 30, 2021

Prepared by: D. Tannant

Section Director: D. Tannant

End of Section Director's Term: whenever I can get someone else to do this, been waiting for years

Section's CGS web page address: NA

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

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

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

**Section 2: Current (Jan 1 - Dec 31, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities, to be posted on your Section webpage)**

Chair: Dr. Dwayne Tannant, UBC Okanagan

Past Chair: Dr. Sumi Siddiqua, UBC Okanagan (a few years ago)

Vice Chair: none

Secretary: none

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

**Section 3: 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 (point form)

**Section 4: 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 GeoNiagra (Admin Manual App 12)? Yes  
 Comments (point form)

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Section 5: Section Activities, July 1, 2020 to June 30, 2021			
Date	Speaker/Other	Topic/Subject	Attendance
		No activities other than informing local membership of webinars being offered elsewhere in BC via other sections	

**Section 6. Additional information or comments (point form)**

While not a section activity, I organized and ran three live online GeoHazards Connections presentations in May/June. I did this pretty much solo as my PhD student (in Nepal at the time) that was initially helping, got covid and was in a hospital for a few weeks leading up to this event. Fortunately, he has recovered. Even some presenters could not make it due to covid impacts. I had the intensions to write a summary of the event for the **Geohazards Committee** that supported the concept after I said I could run the event, but time was never free to do so, and I lost the zoom registration details. However, a summary of the presentations is attached below. Typically, about 30 to 40 people logged in for each date, despite a much larger list of people that advance-registered in Zoom. If this occurs again, I suggest dropping the number of days to just 1 and having a few different sequential themes with separate registrations for each so people can log in for only part of a day in a theme that interests them. Running this in Zoom (as a presentation, not a webinar) worked well and having no registration fees simplified the logistics greatly.

The event was a success, and it had an international reach and gave some students their first opportunity to present their research, which was a great learning experience for them.

**Goals**

- Showcase a diversity of geohazards research
- Promote student-to-student connections and student-to-practitioner connections across Canada
- Encourage presentations from graduate students in the early stages of their research

**Research Series Hosts for Summer 2021**

Dr. Dwayne Tannant (Professor) and Kaushal Raj Gnyawali (PhD student), UBC Okanagan

**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?** No

Date	Email Address	Name	Surname	Presentation Title
May 5	dwayne.tannant@ubc.ca	Dwayne	Tannant	Introduction to Geohazard Connections
May 5	amitchell@eoas.ubc.ca	Andrew	Mitchell	How it goes and how it flows: multistage rock avalanches and surging debris flows
May 5	dadria@eoas.ubc.ca	Daniel	Adria	A fluid situation - connecting tailings dam breach parameters to downstream impacts
May 5	eecastilloc@una-l.edu.co	Emanuel	Castillo Cardona	Morphometrical analysis of fans and torrential catchments in mountainous terrain in the northern Colombian Andes by machine learning techniques
May 5	bera.somnath2007@gmail.com	Somnath	Bera	Indicator-based approach for assigning physical vulnerability of houses to landslide hazard in the Himalayan region of India
May 5	geokshitij@gmail.com	Kshitij	Dahal	Framework for multi-hazard susceptibility mapping in Google Earth Engine
May 26	jvarian@eoas.ubc.ca	Jovian	Varian	Understanding wet muck hazards in cave mining with the development of an empirical database at the PT Freeport Indonesia Operation
May 26	sghadirianniari@eoas.ubc.ca	Sahar	Ghadirian niari	Mud rush (wet muck spill) severity analysis in underground mines
May 26	lamanehoudageo@gmail.com	Houda	Lamane	Water erosion assessment methods
May 26	b.pokharel@student.unsw.edu.au	Badal	Pokharel	Slope units for geohazard assessment
May 26	taylor.wood@students.plymouth.ac.uk	Taylor	Wood	Parameters controlling large landslide propagation
May 26	troncosoklein.camila@queensu.ca	Camila Philips	Troncoso Klein	Characterization of Dutchman's Ridge Slide: a long-term monitored potential rockslide in the Upper Columbia River, British Columbia
May 26	philomo08@gmail.com	Omowumi	Falae	Landslide characterizations through time lapse electrical resistivity tomography
June 16	ali-reza.zafarani@polymtl.ca	Ali Reza	Zafarani	Seismic behavior of reinforced tailings impoundments
June 16	fatima.machay@etu.uae.ac.ma	Fatima	Machay	Geological hazards and seismic activity in the Agadir region (Morocco)
June 16	rabieahatul@gmail.com	Rabieahatul	Abu Bakar	Kundasang earthquake resilient society: Bringing science into action
June 16	thomas-yutaochen@gmail.com	Thomas	Chen	Mitigating the impacts of natural hazards with computer vision technologies

June  
16

mohan.smrc@g  
mail.com

Mohan  
K. Das

Performance evaluation of WRF model for forecasting flash  
floods in northeast Haor areas of Bangladesh

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***Northern Alberta & Territories (Edmonton) Section  
Annual Report July 1, 2020 to June 30, 2021***

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**Formal Section Name: Geotechnical Society of Edmonton**

**Section 1: General**

Date of this report: July 15, 2021  
Prepared by: Ken Froese, P.Eng.  
Section Director: Ken Froese, P.Eng.  
End of Section Director's Term: December 31, 2023  
Is there a link from your separate Section website to the CGS website? Yes

**Section 2: Current (Jan 1 - Dec 31, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)**

Chair: Seán Mac Eoin, TetraTech  
Past Chair: Delakshan Inparajah, Wood  
Vice Chair: Courtney Mulhall, Klohn Crippen Berger  
Secretary: Zion Yua, Thurber Engineering Ltd.  
Program Chair: Michael Sampson, Thurber Engineering Ltd.  
Treasurer: Kristen Tappenden, Alberta Transportation  
Registrar: Don Lewycky  
Student Representative: Kevin Wallin, University of Alberta  
Member at Large: Murray Innes, Mobile Augers  
Member at Large: Menuka (Max) Dassanayake – City of Edmonton  
Member at Large: Govind Aditya, Stantec  
Member at Large: Nigel Goldup, Tetra Tech  
Board Member (UoA): Nicholas Beier, University of Alberta  
Board Member (NAIT): Jeffrey Chapin, NAIT  
CGS Section Director: Ken Froese, Thurber Engineering Ltd.  
Website: Ken Froese, Thurber Engineering Ltd.

**Section 3: Number of Section Members (as of June 30, 2021)**

Executive Committee Members: 14  
Total members (if possible, student and non-student members): 293  
Total CGS members (if possible, student and non-student members): 68 (that we know of)  
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 hold a student mixer event in the fall to welcome new and returning University and technical college students. They are provided a free membership with the nominal registration fee.
- Working members are brought in by word of mouth and the Executive encouraging registration in their respective workplaces.



- The obvious place for improvement is increasing the number of those local chapter members that also get/renew membership with the CGS.

**Section 4: Section Finances (as of June 30, 2021)**

Account balance \$70,000  
 Does your Section charge members an annual fee? Yes – though waived for 2021 and likely for 2022  
 If so, how much? \$15, \$10 for CGS members, \$5 students, \$0 for Stan Thomson  
 Award winners and retirees  
 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 GeoNiagara 2021 (Admin Manual App 12)? Yes – but the individual has not yet been identified

Comments:

- Balance does not include \$20,000 recallable loans with CFG (\$10,000 of that was given June 2021)
- We will be surveying the membership this fall to solicit feedback on how to manage our financial surplus

<b>Section 5: Section Activities, July 1, 2020 to June 30, 2021</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
2020-Sept-3	Dr. Lefsrud and Dr. Macciotta	“PBRISD, Dam Safety Management Systems and the Role of Communication and Culture for Tailings Dam Failure Preventability” as part of Annual General Meeting	
2020-Dec-3	Dr. Amir Haghi	“Geomechanical Controls on Multiphase Fluid Flow in Naturally Fractured Carbonate Reservoir” – 2020 N.R. Morgenstern Award Winner	
Numerous	Univ. of Alberta	Promoted weekly Graduate Student Seminars to membership	
2021-Mar-8	Dr. Franco Oboni	“Integrated hydrogeological and environmental restoration of landslides affecting a large asbestos mine dry tailings dump” – open Univ. of Alberta lecture promoted to membership	
2021-Mar 16 & 23	Dr. Murray Fredlund	Two Day SVSlope 3D Overview Workshop (4 hours)	
2021-Apr-15	Rob Mills	“Pile Integrity Testing” – jointly promoted this CSCE AGM speaker who is a GSE member	
2021-Apr-20	Harpreet Panesar	Saskatchewan Highways Geotechnical Delivery Standard	
2021-Jun-8	Dr. Dave Elwood	Edmonton LRT Tunnels – A History and Comparison	90
2021-Jun-23	Dr. Hany El Nagggar,	“Soil-Structure Interaction of Buried Structures” – CGS TGC lecture promoted to our membership	
2021-Jun-20	Neil Abbott	Expert Evidence: From engagement to report; recent developments to build your case as a better Expert	

## 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 in Niagara Falls, at GeoNiagara this September 26?**  
Yes

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***Southern Alberta (Calgary) Section  
Annual Report July 1, 2020 to June 30, 2021***

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**Formal Section Name: Southern Alberta**

### Section 1: General

Date of this report: July 15, 2021

Prepared by: Kshama Roy

Section Director: Kshama Roy

End of Section Director's Term: Dec 31, 2022

Is there a link from your separate Section website to the CGS website? Yes, <https://cgygeosociety.org/>

### Section 2: Current (Jan 1 - Dec 31, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)

Chair: Will Smith (BGC Engineering)  
Past Chair: Gennaro Esposito (BGC Engineering)  
Co- Chair: Aditi Khurana (Stantec)  
Treasurer: Daniel G. Bertrand (Klohn Crippen Berger)  
Section Director: Kshama Roy (Northern Crescent)  
Venue Coordinator: Susanne Ouellet (University of Calgary)  
Announcements: Jack Park (BGC Engineering)  
Webmaster: Chee Wong (Thurber Engineering)  
Thomas Kujawa (Thurber Engineering)  
Student Rep: Anna Pekinasova (University of Calgary)  
Masoomah Faghihinia (University of Calgary)  
Members at Large: Tun Lwin (TLA Consulting)  
Dan Ferg (GeoStabilization International)  
Michael Bicanic (Thurber Engineering)

### Section 3: Number of Section Members (as of June 30, 2021)

Executive Committee Members: 14  
Total members (if possible, student and non-student members): N/A  
Total CGS members (if possible, student and non-student members): 97  
Does your Section do anything specific to attract new members? Can the National Office or newly formed Membership Committee help support your endeavours? Currently under discussion  
Comments:

### Section 4: Section Finances (as of June 30, 2021)

Account balance \$36,966.61 (July 23, 2021 bank statement)

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 GeoNiagara 2021 (Admin Manual App 12)? Yes

Comments:

- The above bank account balance includes \$1,282 that is held in trust and only to be used for the ISSMGE 2020 design challenge.
- The local section will need to return to CGS the \$20k in seed money received to help with the planning of the GeoCalgary 2020 conference that was postponed until October 2022 due to the Covid-19 pandemic. Per the terms of the Memorandum of Understanding between the Local Organizing Committee and CGS, those funds are to be repaid within two months after the end of the conference.

<b>Section 5: Section Activities, July 1, 2020 to June 30, 2021</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
October 28, 2020	Mr. Andrew Bayliss, Stantec	Impacts of glacially-modified valley land systems on the geotechnical design, construction, and performance of dam foundations in Canada	~100
November 18, 2020	Dr. Jim Oswell, Naviq Consulting	An Antarctica Geotechnical Investigation	~100
December 9, 2020	Dr. Richard Guthrie, Stantec	Spies and Landslides - How an Agent-Based Model Better Predicts Debris Flow Runout	~100
February 18, 2021	Dr. Ron Wong	Soil-Pipe Interaction in Moving Slopes: Some Missing Gaps	~100
February 24, 2021	Bennet Misskey, Jeremie Roussel and Andrew Konopelny	Geotechnical project risks and potential risk mitigation strategies.	~100
March 18, 2021	Ajay Sharma and Dan Ferg	Calf Robe Bridge – Abutment Stabilization	~100
April 21, 2021	Martin Lun and Charles Kwok	194th Ave Overpass Project	~100
May 25, 2021	Dr. Kshama Roy	Pipe-soil Interaction research from an integrated industry and academia perspective	~100
June 16, 2021	Dr. Chris Bunce	Geotechnical Challenges Faced by Railways	~100
June 16, 2021	AGM	New committee selected and two awards were presented	~100

**Section 6: Additional information or comments**

- The website was fully rebranded, and it was one of the major accomplishments this year.
- CyGS was heavily involved in organizing the GeoVirtual 2020 that took place September 14-16, 2020. Planning activities are underway for the 2022 CGS conference that will be held in Calgary from October 02 to 05.
- 2021 CyGS Award Winner: Mr. Brian Rogers, Principal and Chairman, Klohn Crippen Berger Ltd.
- GeoNiagara 2021 conference funding award winner: Mr. Yadong Zhang, EIT – University of Calgary

**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 in Niagara Falls, at GeoNiagara this September 26?**

Yes, but most probably online

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***Southern Saskatchewan (Regina) Section  
Annual Report July 1, 2020 to June 30, 2021***

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

**Section 1: General**

Date of this report: 06 July 2021

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, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)**

Chair: Kyle Mason Clifton Engineering Group

Past Chair: Harpreet Panesar, Ministry of Highways and Infrastructure

Director of Communications, Director of Finance Kim Doran SNC-Lavalin

Program Director Jenae Nixon Water Security Agency

Geohazards Chair Jenna Baker Ministry of Highways and Infrastructure

Foundations Chair Chelsey Knibbs Wood

**Section 3: Number of Section Members (as of June 30, 2021)**

Executive Committee Members: 5

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

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? Promote benefits of membership, increase awareness/incentives for younger members

**Section 4: Section Finances (as of June 30, 2021)**

Account balance \$20,455 liquid, \$18,180 GIC's

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

<b>Section 5: Section Activities, July 1, 2020 to June 30, 2021</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
17 Dec 2020	Kevin Lee, TetraTech	Construction and Settlement of an Interchange in Cochrane, AB	40
24 Feb 2021	MLT Aitkins	Legal Risks and Mitigation Strategies for your Geotechnical Project	180
18 Mar 2021	Kristen Tappenden, Alberta Transportation	Geotechnical Asset Management	60
05 May 2021	Dr. Shahid Azam, University of Regina	Suction-based Model for Expansive Clays	34

Is your Section planning on sponsoring a Student/MIT to attend GeoNiagara 2021 (Admin Manual App 12)? No

**Section 6: Additional information or comments**

- Covid made things quieter this year. Struggled with people committing to present
- 2021-2022 looks to be a brighter season as we can return to meeting in person.
- Communication among sections still seems to be poor, quarterly meetings seem not be happening or invites aren't being sent appropriately.
- The RGG purchased their own license of WebEx, seems to have worked well. Some major remote luncheons brought in decent number of attendance.

**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 in Niagara Falls, at GeoNiagara this September 26?**  
Yes

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***Manitoba (Winnipeg) Section  
Annual Report July 1, 2020 to June 30, 2021***

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**Formal Section Name: CGS Manitoba**

**Section 1: General**

Date of this report: July 15, 2021  
 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, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)**

Chair: Arjan Jianfar (Hatch)  
 Secretary: Doreen Wang (Hatch)

Treasurer: Kirby Pogue (Hatch)  
 Program Director: David Anderson (KGS Group)  
 Student Liaison: Sydney Urwin (University of Manitoba)  
 Special Initiative Coordinator: Reinhardt Van Rensburg / Ruslan Amarasinghe (Trek Geotechnical)  
 (shared due to work commitments)  
 Webmaster: Kevin Baylis (Stantec)  
 Special Events: David Flynn (KGS Group)

**Section 3: Number of Section Members (as of June 30, 2021)**

Executive Committee Members: 9 (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, 2021)**

Account balance \$37,797  
 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 GeoNiagara 2021 (Admin Manual App 12)? Yes, one student was selected and confirmed with CGS National for the conference.  
 Comments: CGS Manitoba provided sponsorship support to the local CGS Manitoba Student Chapter.

<b>Section 5: Section Activities, July 1, 2020 to June 30, 2021</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
November 12, 2020	Bernard B. Ayumu, M.Sc. Candidate (University of Manitoba)	Water Budget Investigation for Small Endorheic Lakes in Urban Settings in Cold Climates	20
December 10, 2020	Adrian Kowalchuk, P.Geo., Environmental Geoscientist (Golder Associates)	Installation of Groundwater Monitoring Systems in Permafrost Environments - Obtaining Reliable Groundwater Information for Mine Dewatering Designs	74
January 13, 2021	Blake Holowick, M.Sc., P.Eng., (Manitoba Hydro) and Sean Cockrem, P.Eng., (Hatch)	Keeyask Generating Station - Earthfill Dams and Dykes	86
February 9, 2021	Mohammad Katebi, Ph.D., (University of Manitoba)	Lateral Force-Displacement Response of Buried Pipes in Slopes	37
March 2, 2021	Richard Donnelly, M.Sc., P.Eng., (Hatch)	A Discussion on the Evolution and Application of Quantitative Risk Informed Dam Safety Decision Making	45
April 21, 2021	Taunya Ernst, P.Eng., P.E., P.G., (KGS Group)	PDA and CAPWAP Foiled by Hard Fat Clay	52
June 8, 2021	Bekalu Erkabu, M.Sc. Candidate (University of Manitoba)	Physically Based Numerical Modelling to Identify Permafrost Degradation due to Climate Change in Northern Manitoba	21

#### **Section 6: Additional information or comments**

- The local presentations (recordings) are posted on our CGS Manitoba website. Some presentations have received over 30 viewings of the recordings.
- Cancelled due to COVID-19 Restrictions:
  - CGS Manitoba cancelled a Terrain Analysis for Geotechnical Applications short course for late March 2020 and looked at a Fall 2020 rescheduling that did not pan out. We were exploring options for this in 2021, however currently no progress. We are hopeful for the fall or winter as restrictions are lifted.
  - Fall and Spring CCLT planning was suspended.
  - The Annual Golf Tournament for the Neil Burgess Memorial Scholarship fund was cancelled for a second year; however, the local committee is exploring options for a socially distanced casual event. This again did not pan out in the spring/summer. We are exploring options for the fall.
  - CGS Manitoba was planning a Deep Foundation Design short course for Fall 2020 but was cancelled due to COVID-19 restrictions. We are looking into pursuing this for 2021 but again no developments yet.
- CGS Manitoba provided \$750 to the Manitoba Student Chapter of CGS for 2021 and previously provided \$3,000 as a start-up sponsorship in 2020. The Student Chapter is open to all students at the University of Manitoba, University of Winnipeg, University of Brandon, and Red River College. They have been active throughout 2020 and have hosted four (4) technical virtual presentations between July 1, 2020 – December 31, 2020. They have not had any 2021 events yet. Their website is <https://www.sites.google.com/view/cgs-mbstudentchapter/home>.

**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 or at least providing recordings for those unable to attend at the time of

the presentation. We have taken this initiative locally. I believe this would be well received by all members. What other initiatives are taking place?

**Are you planning to attend the fall board meeting, to be held in Niagara Falls, at GeoNiagara this September 26?**  
Yes, at a minimum I will join virtually. In person attendance is being discussed with my employer pending COVID-19 restrictions, etc.

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**Northwestern Ontario (Thunder Bay) Section  
Annual Report July 1, 2020 to June 30, 2021**

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**Formal Section Name: Northwestern Ontario (Thunder Bay) Section**

**Section 1: General**

Date of this report: 2021-07-30  
Prepared by: Wesley Saunders  
Section Director: Wesley Saunders  
End of Section Director's Term: 2021  
Section's CGS web page address:  
Is there a link from your separate Section website to the CGS website? No

**Section 2: Current (Jan 1 - Dec 31, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)**

Chair: Wesley Saunders  
Past Chair: Eltayeb Mohamedelhassan  
Vice Chair:  
Secretary:  
(Add others as necessary)

**Section 3: Number of Section Members (as of June 30, 2021)**

Executive Committee Members: 2  
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? Pre-covid we would invite members and non-members to participate in events as well as encourage students at the local college and university to participate.  
Can the National Office or newly formed Membership Committee help support your endeavours? Unsure of potential opportunity or support that can be provided.  
Comments: We've been looking for a replacement section director without success for a couple of years. During our general meeting in February the junior members approached are unsure of taking on such a role and prefer to participate in other ways and the senior members have often already filled this role previously and are not as eager to complete at this time due to significant prior commitments. As such, Wes has offered to continue in this role until a replacement can be found.

**Section 4: Section Finances (as of June 30, 2021)**

Account balance \$2,983.86  
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? Yes  
 Is your Section planning on sponsoring a Student/MIT to attend GeoNiagara 2021 (Admin Manual App 12)? No

<b>Section 5: Section Activities, July 1, 2020 to June 30, 2021</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
2021-02-17	General meeting	strategize for the continuation of local CGS events during prolonged period of disruption local committee positions potential upcoming local event	

**Section 6: Additional information or comments**

- Passed along invites to webinars, presentations, open photo contests, news contribution request, etc by various sections and committees (routinely section GSE, RGG, Western Quebec and Manitoba and newly SMFD division)
- Working on integration of Tanveer Mubarik and Syed Ahmed as contributing members of the local executive.

**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 in Niagara Falls, at GeoNiagara this September 26?**  
 Yes

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*Northeastern Ontario (Sudbury) Section  
 Annual Report July 1, 2020 to June 30, 2021*

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**Formal Section Name: Northeastern Ontario (Sudbury) Section**

**Section 1: General**

Date of this report: July 12/21  
 Prepared by: Andre Bom  
 Section Director: Andre Bom  
 End of Section Director's Term: TBD  
 Is there a link from your separate Section website to the CGS website? Yes/No N/a

**Section 2: Current (Jan 1 - Dec 31, 2021) 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:

**Section 3: Number of Section Members (as of June 30, 2021)**

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, 2021)**

Account balance \$0

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 GeoNiagara 2021 (Admin Manual App 12)? Yes/No

<b>Section 5: Section Activities, July 1, 2020 to June 30, 2021</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
Sept/20	Dr. Kathy Kalenchuk	CGS 2019 Colloquium (Laurentian University Graduate Seminar Course)	55 (webinar)
Oct/20	Markus Jesswein; Ryan Lyle	A CPTu-Based Design Approach for the Pile Axial Capacity and Set-Up; Landslide on ice-rich slopes – a geohazard in a changing climate	17 (webinar)
Nov/20	Various Speakers from Center for Bio-mediated and Bio-inspired Geotechnics (CBBG), a consortium of Arizona State University, the University of California at Davis, Georgia Institute of Technology, and New Mexico State University	Emerging Biogeotechnical Methods for Hazard Mitigation, Infrastructure Construction, Remediation, and Site Investigation	30 (webinar)
Apr/21	David Wood	Niagara Rock Tunnel (invitation extended to CGS Thunder Bay and PEO Northern Ontario sections)	64 (webinar)

**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?**

**Are you planning to attend the fall board meeting, to be held in Niagara Falls, at GeoNiagara this September 26?**  
Yes

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**Southwestern Ontario (London) Section  
Annual Report July 1, 2020 to June 30, 2021**

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

**Section 1: General**

Date of this report: 2021-07-31  
Prepared by: Philips Aby  
Section Director: Andrew Stewart  
End of Section Director's Term: 2021  
Section's CGS web page address: <http://www.csce-cgs-london.org/>  
Last time your Section's CGS web page was updated: early 2021  
If your Section has a separate website, please provide address: NA  
Is there a link from your separate Section website to the CGS website? Yes

**Section 2: Past (as of July 1, 2021) Executive Committee Members and their Affiliations**

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, 2021 – Dec 31, 2021) Executive Committee Members and their Affiliations (employers or if students, universities)**

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  
Interning CGS section Director replacement for 2022 season : Philips Abby Western Graduate (currently seeking employment)  
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: Seeking Replacement  
 Western Graduate Representative: Seeking Replacement

**Section 4: Number of Section Members (as of July 1, 2021)**

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)

**Section 5: Section Finances (as of July 1, 2021)**

Account balance \$ 7585.25  
 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:

- Our Section has been fairly inactive due to the ongoing pandemic. We tried one virtual event (below) with limited success. Talks with our executive team have concluded that it is difficult to motivate attendees and registration during this extended ongoing pandemic as most have shifted to working from home with many hours in front of a screen and lack of motivation for organizing these virtual meetings.

<b>Section 6: Section Activities, July 1, 2020 to December 31, 2020</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
October 14th, 2020		<ul style="list-style-type: none"> <li>• Implementation of Sustainable Engineering Practices on Wednesday, October 14th, 2020</li> </ul>	

**Section 7: Additional information or comments**

- We have put our season on pause with the ongoing pandemic and hope to get back to in person meetings for next year or reassess virtual events in upcoming executive meetings.

**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?**

No. Please keep me informed of any joined virtual meetings that I can share with our chapter members.

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*Southern Ontario (Toronto) Section  
 Annual Report July 1, 2020 to June 30, 2021*

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**Formal Section Name: Southern Ontario Section**  
**Section 1: General**

Date of this report: March 8, 2021  
Prepared by: Billy Singh  
Section Director: Billy Singh  
End of Section Director's Term: December 31, 2021  
Section's CGS web page address: [https://www.cgs.ca/section\\_southern\\_ontario.php](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, 2020) 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, EXP  
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, 2021 - Dec 31, 2021) 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 2021.

Chair: Ali Nasser-Moghaddam, Geosyntec  
Regional Director: Billy Singh, Terraprobe  
Treasurer: Matt MacIntosh, RecoCanada  
Communications: Pouya Pishgah, EXP  
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, 2020)**

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 4,300 followers
- CGS-SOS e-News has about 800 subscribers

### Section 5: Section Finances (as of Dec 31, 2020)

Account balance \$ 44,696

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 GeoNiagara 2021 (Admin Manual App 12)? Yes

Section 6: Section Activities, July 1, 2020 to December 31, 2020			
Date	Speaker/Other	Topic/Subject	Attendance
October 13, 2020	Dr. Glenn Rix	Risk-Informed Decision Making for Dams	263
November 19, 2020	Dr. Toby Roberts	Groundwater Control for Deep Shafts	253
December 15, 2020	Dr. J. Carlos Santamarina	Around the World in 100 Years	388

### Section 7: Additional information or comments

- CGS-SOS has previously arranged for Professor Burland's lecture series for four local section 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.
- CGS-SOS paid \$10,000 for GeoNiagara Seed funds
- Six universities in Ontario were attended in the scholarship program and one student for each university was selected. The scholarship amount is \$500 each and was awarded to the students with the highest mark in geotechnical course in Academic Term 2019-2020. CGS-SOS will continue the scholarship program in 2020-2021.
- CGS-SOS initiated an undergraduate scholarship with the total amount of \$3000 which will be awarded annually to an undergrad student with strong performance in geotechnical courses. The student should be enrolled in one of the six universities in the region (UofT, UW, Western, McMaster, York University and Ryerson) at the time of the award.

### 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 planning to have a summer workshop on "Geotechnical Consideration in Tunnel Design and Construction". Is CGS National interested in collaboration on this virtual workshop?

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**Southeastern Ontario (Kingston) Section  
Annual Report July 1, 2020 to June 30, 2021**

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**Formal Section Name: Kingston Section**

**Section 1: General**

Date of report: 24 July 2021

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](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/Queen's University (adjunct)

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, Elizabeth Arif, (Queen's University), David Bonneau (Queen's University).

**Section 3: Number of Section Members (as of June 30, 2021)**

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): October 2020

Balance: \$ ~12,000.00

Year-End Balance (for Annual Report only): \$ \$ ~12,000.00

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)? No

Is your Section planning on sponsoring a Student/MIT to attend GeoNiagara 2021 (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

<b>Section 5. Activities</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
Sept. 14-16 2020	GeoVirtual BOD Meeting		E.M. Skordaki
March 12th 2021	45th 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> Capt. Richard LeBlanc of the Royal Military College of Canada (under the supervision of Dr. Skordaki and Dr. Vlachopoulos)	60+ (including virtual attendees from military colleges in Europe)

**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 the remainder of this 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

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**Eastern Ontario (Ottawa) Section  
Annual Report July 1, 2020 to June 30, 2021**

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**Formal Section Name: Eastern Ontario (Ottawa) Section**

**Section 1: General**

Date of this report: August 4<sup>th</sup> 2021

Prepared by: Paul Simms

Section Director: as above

End of Section Director's Term: June 2023

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

**Section 2: Current (Jan 1 - Dec 31, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)**

Chair: Kenton Power / Matt Kennedy (as of July 1<sup>st</sup>)

Past Chair: Jules Sedano

Vice Chair: Matt Kennedy / TBD

Secretary: Bruce Campbell

(Add others as necessary)

**Section 3: Number of Section Members (as of June 30, 2021)**

Executive Committee Members: 6

Total members (if possible, student and non-student members): 70

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? **Outreach to student groups, via student rep on executive**

Comments:

**Section 4: Section Finances (as of June 30, 2021)**

Account balance \$~47,000 (note the number in the half-year report was incorrect, this number here includes investments)..note we also have sent a 10 k loan 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 GeoNiagara 2021 (Admin Manual App 12)? Yes/No **Yes**

<b>Section 5: Section Activities, July 1, 2020 to June 30, 2021</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
Sept. 2019	Kickoff at Beyond the Pale Brewery	None	~40
Oct 22 <sup>nd</sup> 2019	Dr. Ian Moore	CCLT	~45
Nov 20th	Dr. Richard Amos	Coupled Processes in Ground Water	~40
Dec 4th	Dave Shedeiras, Lheiber Canada	Drilled Shafts: Today's technology and local examples	~40
February 2021	Maha Saleh, Paterson Group	<i>Performance of Cantilever Diaphragm Walls in Saturated and Unsaturated Soils from Numerical Analysis</i>	-35
April 2021	Ariane Locat (Colloquium)	<i>Understanding spreading in Canadian sensitive clays</i>	~45
March 2021	Student forum, with Kingston section	Student competition (RMC, Queens, Ottawa, Carleton)	'55

#### **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 in Niagara Falls, at GeoNiagara this September 26? Yes / No**

Virtually if not in person

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***Western Québec (Montréal) Section  
Annual Report July 1, 2020 to June 30, 2021***

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**Formal Section Name: (CGS-Western Quebec Section)**

#### **Section 1: General**

Date of this report: July 15, 2021

Prepared by: M. Karray, G. Saghaee and J. Lapierre

Section Director: M. Karray

End of Section Director's Term: December 2022

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

**Section 3: Number of Section Members (as of July 1, 2021)**

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 (point form)

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

**Section 4: Section Finances (as of July 1, 2020):**

Account balance 45 618 \$  
 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 GeoNiagara 2021 (Admin Manual App 12)? Yes

<b>Section 5: Section Activities, July 1, 2020 to July 1, 2021</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
June 30, 2020	Mourad Karry	Utilisation de la vitesse des ondes de cisaillement pour une meilleure caractérisation des sols cohérent	150
July 16, 2020	Students	Concours Branko Ladanyi	70
November 26, 2020	Mahmoud N. Hussien	Soil liquefaction, state of the art and beyond with case studies	120

December 15, 2020	Paola Monaco	Recent developments in use, interpretation and applications of dilatometer testing (DMT/SDMT)	60
February 24, 2021	Martin LaRoche	Défis, risques, victoires et déceptions des géotechniciens dans les projets Conception-Construction de projets d'infrastructures	190
April 15, 2021	Students	Concours Branko Ladanyi	50
June 19 & 26, 2021 (Full Day)	Mourad Karray	Workshop - Les analyses sismiques et post-sismiques des sols	75

**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?**

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*Eastern Québec (Québec) Section  
Annual Report July 1, 2020 to June 30, 2021*

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**Formal Section Name: Eastern-Quebec Section**

**Section 1: General**

Date of this report: July 7 2021

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, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)**

Chair: Julie Therrien, MTQ

Secretary: Kevin Hébert, Université Laval

Communications : Sandra Veillette, MTQ

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

Section director : Ariane Locat, Université Laval

VP scholarships Catherine Cloutier, MTQ

VP Info-lettre Valérie Michaud, SNC-Lavalin Saguenay

Technical committee Olivier Juneau, LEQ

Pierre-Olivier Maltais, WSP

Tremblay, Shawn, MTQ

Pierre-Olivier Dionne, GHD

Attestation Frédérique Tremblay-Auger, Golder

Member Sarah Bouchard, MTQ

**Section 3: Number of Section Members (as of June 30, 2021)**

Executive Committee Members: 14

Total members (if possible, student and non-student members): 140

Total CGS members (if possible, student and non-student members): 37

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 administration
- 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, 2021)**

Account balance	\$ 35 151.42
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Saving account balance	\$ 60 075.00
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Total	\$ 95 226.42
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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 GeoNiagara 2021 (Admin Manual App 12)? Yes

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 Niagara Falls.

<b>Section 5: Section Activities, July 1, 2020 to June 30, 2021</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
29 Sept. 2020	Jean-Michel Lemieux	Considération pour l'étude des conditions hydrogéologique de talus argileux	81
24 Nov. 2020	Ryley Beddoe	SHIFTING PERSPECTIVE – HOW CLIMATE DRIVEN PERMAFROST DEGRADATION WILL IMPACT INFRASTRUCTURE IN CANADA'S NORTH	56
7 Dec. 2020	Rosa Galvez	Changement climatique, vulnérabilité géotechnique et infrastructure : réflexions d'une scientifique devenue sénatrice.	43
5 Feb. 2021	Ariane Locat	COMPRENDRE LES ÉTALEMENTS DANS LES ARGILES SENSIBLES AU CANADA	81
17 March 2021	Jean-Sébastien L'Heureux	GLISSEMENT DE TERRAIN DU 3 JUIN 2020 À ALTA, NORVÈGE : CAUSES ET LEÇONS À RETENIR	130
15 Apr. 2021	Vincent Castonguay	De NorSand à SaniClay : Amorcer une transition de Mohr-Coulomb vers le 21e	100
May 13-14 2021	23 speakers	Le sinistre de Saint-Jean-Vianney de 1971 : 50 ans de progression des connaissances en géotechnique	216
14 June 2021	Martin Laroche	LES DÉFIS, RISQUES, VICTOIRES ET DÉCEPTIONS DES GÉOTECHNICIENS DANS LES PROJETS CONCEPTION-CONSTRUCTION	64

#### **Section 6: Additional information or comments**

- Our conferences have been webcast via Zoom. We give certificates of attendance only to active members of the CGS.
- We are also working on the 8<sup>th</sup> Conference on geotechnics et geohazards that will be held in Québec City from June 12 to 15, 2022.

#### **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 in Niagara Falls, at GeoNiagara this September 26?**

Yes

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**Section régionale de l'Est-du-Québec**  
**Rapport annuel du 1<sup>er</sup> juillet 2020 au 30 juin 2021**

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

#### **Section 1: Généralité**

Date du rapport: 7 juillet 2021

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, 2021-31 décembre, 2021) 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: Kevin Hébert, Université Laval  
Communications : Sandra Veillette, MTQ  
Trésoriers: Thomas Fournier, MTQ, and Jonathan Leblanc, SNC-Lavalin Québec  
Directrice de section : Ariane Locat, Université Laval  
VP Bourses Catherine Cloutier, MTQ  
VP Info-lettre Valérie Michaud, SNC-Lavalin Saguenay  
Comité technique Olivier Juneau, LEQ  
Pierre-Oliver Maltais, WSP  
Tremblay, Shawn, Englobe  
Pierre-Olivier Dionne, GHD  
Attestation Frédérique Tremblay-Auger, Golder  
Membre Sarah Bouchard, MTQ

**Section 3: Nombre de membres de la section (en date du 30 Juin, 2021)**

Membre du comité exécutif: 14

Membres total (si possible, membres étudiants et non-étudiants) : 140

Membre de la SCG (si possible, membres étudiants et non-étudiants) : 37

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, 2021)**

Solde du compte \$ 35 151.42

Solde du compte d'épargne \$ 60 075.00

Total \$ 95 226.42

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 GeoNiagara 2021 (Admin Manual App 12)? Oui

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 GeoNiagara 2021.

<b>Section 5: Activités de la section, 1<sup>er</sup> juillet, 2020 au 30 juin, 2021</b>			
<b>Date</b>	<b>Présentateur</b>	<b>Titre/Sujet</b>	<b>Présence</b>
29 sept. 2020	Jean-Michel Lemieux	Considération pour l'étude des conditions hydrogéologique de talus argileux	81
24 nov. 2020	Ryley Beddoe	SHIFTING PERSPECTIVE – HOW CLIMATE DRIVEN PERMAFROST DEGRADATION WILL IMPACT INFRASTRUCTURE IN CANADA'S NORTH	56
7 déc. 2020	Rosa Galvez	Changement climatique, vulnérabilité géotechnique et infrastructure : réflexions d'une scientifique devenue sénatrice.	43
5 fév. 2021	Ariane Locat	COMPRENDRE LES ÉTALEMENTS DANS LES ARGILES SENSIBLES AU CANADA	81
17 mars 2021	Jean-Sébastien L'Heureux	GLISSEMENT DE TERRAIN DU 3 JUIN 2020 À ALTA, NORVÈGE : CAUSES ET LEÇONS À RETENIR	130
15 avr. 2021	Vincent Castonguay	De NorSand à SaniClay : Amorcer une transition de Mohr-Coulomb vers le 21 <sup>e</sup>	100
13-14 mai 2021	23 conférenciers	Le sinistre de Saint-Jean-Vianney de 1971 : 50 ans de progression des connaissances en géotechnique	216
14 juin 2021	Martin Laroche	LES DÉFIS, RISQUES, VICTOIRES ET DÉCEPTIONS DES GÉOTECHNICIENS DANS LES PROJETS CONCEPTION-CONSTRUCTION	64

#### **Section 6: Informations supplémentaires et commentaires**

- Nos conférences ont été diffusées via Zoom. Nous donnons des attestations de présence uniquement aux membres actifs de la SCG.
- Nous sommes également en train de préparer l'organisation de la 8<sup>e</sup> conférence sur la géotechnique et les géorisques qui se tiendra à Québec du 12 au 15 juin 2022

**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**

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*New Brunswick (Fredericton) Section  
Annual Report July 1, 2020 to June 30, 2021*

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**Formal Section Name: New Brunswick (Fredericton) Section**



**Section 1: General**

Date of this report: July 11, 2021  
Prepared by: Christopher McQueen  
Section Director: Christopher McQueen  
End of Section Director's Term: 12/31/22  
Is there a link from your separate Section website to the CGS website? No

**Section 2: Current (Jan 1 - Dec 31, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Section webpage)**

Chair: Christopher McQueen  
Past Chair: Ben McGuigan  
Vice Chair: Sam Oshani  
Secretary: Christiane Levesque  
Treasurer: Rochelle Staples

**Section 3: Number of Section Members (as of June 30, 2021)**

Executive Committee Members: 5  
Total members (if possible, student and non-student members): ~ 20 (can't access region members on website)  
Total CGS members (if possible, student and non-student members): ~ 20

Does your Section do anything specific to attract new members? Can the National Office or newly formed Membership Committee help support your endeavours? No, we are not doing anything specific, trying to maintain members. Would be willing to take any assistance that can be provided.

Comments:

- Because of our difficulty in maintaining membership and getting people together, I may make sense for us to consider amalgamating with the Nova Scotia Chapter into an Atlantic Chapter with a New Brunswick committee member. Since COVID-19, the world is moving more toward virtual meetings and therefore, for events like the X-Canada Lecture Tour, we could partake in person in Nova Scotia if we so chose, or through a virtual presentation. It might also make it easier for us to send a student to the Annual meeting.

**Section 4: Section Finances (as of June 30, 2021)**

Account balance \$ 339.77  
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 GeoNiagara 2021 (Admin Manual App 12)? No

Comments:

- Because our membership is spread out in several communities, it is difficult to get together.

**Section 6: Additional information or comments**

- As discussed in Section 3, it likely makes sense for us to amalgamate with the Nova Scotia chapter to afford our members with better benefits and government. We have not approached the NS Chapter about such as move.

**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 in Niagara Falls, at GeoNiagara this September 26?**  
No – originally considered going but I think with the COVID-19 fallout, I'm likely not to attend.

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***Nova Scotia (Halifax) Section  
Annual Report July 1, 2020 to June 30, 2021***

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**Committee Name: Nova Scotia (Halifax) Section**

**Section 1: General**

Date of report: July 4, 2021

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, 2021 to June 30, 2021).

- Increase membership
- Increase online activities (webinars, presentations, training)
- Cooperation and participation in professional development opportunities presented by Dalhousie University
- 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, 2021) 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: Justin Matthew (Stantec)

Members at large: Brian Walker (exp), Matt Davidson (CONQUEST), Greg Healy (Stantec)

**Section 3: Number of Committee Members (as of June 30, 2021)**

Executive Committee Members: 6

Total members: 50

Comments:

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**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, 2021)**

Account Balance: \$ 16,546.47

Comments:

**Section 6: Committee Activities in past year (July 1, 2020 to June 30, 2021)**

- No activities due to COVID-19 limitations
- Links to online workshops/lectures organized by other CGS Sections were passed on to NS CGS members

**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 on September 26 in Niagara Falls?** Yes, pending on travel restrictions due to COVID-19

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

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**Formal Section Name: St. John's Section**

**Section 1: General**

Date of this report: April 18, 2021  
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: Past (as of 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 – Hatch Ltd.  
Past Chair: Rajib Dey - Stantec  
Vice Chair:  
Secretary: Shawn Russel - Gemtec Consulting Engineers and Scientist Limited

**Section 3: Current (Jan 1, 2021 - Dec 31, 2021) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Andrew Peach – Hatch Ltd.  
Past Chair: Rajib Dey - Stantec  
Vice Chair:  
Secretary: Shawn Russel - Gemtec Consulting Engineers and Scientist Limited

**Section 4: Number of Section Members (as of Dec 31, 2020)**

Executive Committee Members: 03

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 5: Section Finances (as of Dec 31, 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 GeoNiagara 2020 (Admin Manual App 12)? No, we anticipate that strict COVID restrictions will still be in place at the time of the conference.

Comments:

- In progress of providing a \$5,000.00 donation to the Canadian Foundation for Geotechnique.

**Section 7: Additional information or comments**

- No activities plan since March 2020 due to COVID-19.
- Local professional development opportunities that are offered by PEGNL are also send out to the Section membership.

**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?**

No

## TECHNICAL DIVISION REPORTS

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### *Technical Divisions Representative Summary Annual Report – Thomas Pabst*

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#### Technical Division Representative Summary Report

Year End Report

Jul 1, 2020 to June 30, 2021

#### Section 1: General

Date of report: August 1<sup>st</sup>, 2020

Prepared by: Thomas Pabst, Technical Division Representative

End of Term: December 31<sup>st</sup>, 2021

#### Section 2: Members

Divisions	Chair	Term	EC Mbers	Women in EC	Members 1 <sup>st</sup> /2 <sup>nd</sup> choices
Cold Regions Geotechnology	Ryley Beddoe	2022	7	3 (43%)	55/211
Engineering Geology*	Stephen Butt	2021	7	1 (14%)	111/265
Geoenvironmental	Vincent Martin	2023	2	1 (50%)	??
Geosynthetics*	Fady Abdelaal	2023	3	0 (0%)	32/107
Groundwater	François Duhaime	2023	3	0 (0%)	??
Rock Mechanics	Jennifer Day	2023	4	2 (50%)	89/241
Soil Mechanics and Foundation	Laifa Cao	2023	8	0 (0%)	681/223
Committees	Chair	Term	EC Mbers	Women in EC	Members
Education*	Pooneh Maghoul	2022	12	4 (33%)	-
Geohazards	Scott McDougall	2021	3	1 (33%)	40
Heritage	Heinrich Heinz	2021	14	3 (21%)	-
Mining Geotechnique	Thomas Pabst	2021	4	1 (25%)	40
Professional Practice	Seán Mac Eoin	2021	15	3 (20%)	-
Sustainable Geotechnics*	Catherine Mulligan	2022	2	1 (50%)	15
Transportation Geotechnique	Harpreet Panesar	2022	4	0 (0%)	67
Membership	David Wood	2022	7	3 (43%)	-

\*Annual report not received as per August 4, 2021

### Section 3: Affiliations with other organizations

- Cold Regions Geotechnology: Canadian Permafrost Association (CPA)  
Canadian National Chapter for Int. Permafrost Association  
ASCE Cold Regions Division Liaison  
International Permafrost Association
- Engineering Geology: Association of Geohazard Professionals  
Canadian Federation of Earth Scientists (CFES)  
AEG, Engineering Geology Division  
GSA, Environmental and Engineering Geology Division  
IAEG
- Geoenvironmental: -
- Geosynthetics: IGS – North America (IGS-NA)  
International Geosynthetics Society (IGS)
- Groundwater: Int. Association of Hydrogeologists – Canadian National Chapter
- Rock Mechanics: Canadian Rock Mechanics Association (CARMA)  
Int. Society of Rock Mechanics and Rock Engineering (ISRM)
- Soil Mechanics and Foundations: Int. Society of Soil Mechanics and Geotechnical Engineering
  
- Education -
- Geohazards US Association of Engineer. and Environmental Geologists (AEG)  
International Association of Engineering Geologists (IAEG)
- Heritage Engineering Institute of Canada (History and Archives Com.)
- Mining Geotechnique -
- Professional Practice Geoprofessional Business Association (formerly ASFE)
- Sustainable Geotechnics ISSMGE TC 307
- Transportation Geotechnique Transportation Association of Canada (TAC)  
Rail Ground Hazard Research Project (RGHRP)  
AEG Association of Engineering Geology  
ISSMGE-TC202 Transportation Geotechnics
- Membership -

### Section 4: Finances

- Cold Regions: \$12,776
  - GeoHazards: \$10,100
  - Other Divisions' and Committees' account balance was reportedly \$0
- Comments: N/A

### Section 5: Division Awards

- G Geoffrey Meyerhof Award (Soil Mechanics and Foundation): Dharma Wijewickreme
- John A Franklin Award (Rock Mechanics): Rick J. Chalaturnyk, University of Alberta
- Thomas Roy Award (Engineering Geology): Davide Elmo

### Section 6: Activities in past year (July 1, 2020 to June 30, 2021)

- Activities were significantly affected by the pandemic. However, despite this situation, many Divisions and Committees have been organizing regular webinars and presentations using online conference tools made more available and common in the recent months (e.g., webinars by GeoEnvironment Division, a series of talks by students called “Geohazard Connections” and organized by GeoHazards Committee, or Distinguished Lecture organized by the Soil Mechanics and Foundation Division, among others).
- Divisions and Committees participation to GeoVirtual Conference (paper review, attendance) as been like previous years.
- Most Divisions and Committees have organized their annual meeting online last fall (around the time of the GeoVirtual Conference). Attendance seems to have been like other years. Many Divisions and Committees have organized other meetings (with all the members or among the executive committee only) since. In this sense, it seems that remote work and online activities have contributed to make most Division and Committee members more involved in the CGS.

### **Section 7: Activities planed for the coming year**

- Many Divisions and Committees would like to organize or continue to organize online seminars and workshop in the coming year. Attendance is varying but usually encouraging.
- Most Divisions and Committees were volunteer to help with GeoNiagara organisation (special sessions) and paper review. Our Divisions and Committees’ Members also continue to be largely involved in the organization of many conferences (most of them planed for 2022).
- Divisions and Committees’ Chairs were encouraged to submit articles to Canadian Geotechnique with a rather good response. Chairs were also encouraged to consider organizing the publication of thematic special issue and future special sections are already planned for Spring 2022 (on the brand new CFEM), Summer 2022 (Rock Mechanics) and Fall 2022 (Heritage). A new strategy is also under preparation (project led by Nicholas Beier) to better organize the publication of news articles (written by the Divisions and Committees) in the Magazine.
- Most Division and Committee Chairs have mentioned their intention to reinforce their EC and increase communications within their groups to attract more members. They all show the will to update more frequently the Divisions and Committees websites and make a better use of SNS and CGS newsletter eNews to increase their visibility online.
- Several Divisions and Committees plan to increase member engagement through various activities. Many expect GeoNiagara to be the occasion to reunite and revitalize the members’ participation.
- Most Division and Committee Chairs plan to attend GeoNiagara in person and would like to have their annual meeting in person there.

### **Section 8: Additional information or comments**

- Most Divisions and Committees Chairs plan to attend the fall board meeting.

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***Cold Regions Geotechnology Division  
Annual Report July 1, 2020 to June 30, 2021***

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### **Division Name: Cold Regions Geotechnology**

#### **Section 1: General**

Date of this report: July 15<sup>th</sup> 2021

Prepared by: Ryley Beddoe

Division Chair: 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 (2021/2022)?

- Encourage active participation of members in GeoNiagara (both in person and virtually), 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, 2021) 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, 2021)**

Executive Committee Members: 7  
1<sup>st</sup> Choice members (can be obtained from Lisa): 55  
2<sup>nd</sup> Choice members (can be obtained from Lisa): 211  
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).

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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

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**Section 5: Division Finances (as of June 30, 2021)**

Account Balance: \$ 12,776

Comments:

- Outstanding: There is still uncertainty as to what was supported by the Division for 18th International Conference on Cold Regions Engineering (ICCRE) and the 8th Canadian Permafrost Conference (CPC). There was some email exchanges many months ago, but no follow up to date, and it would be useful to report back to the members and executive on this matter.

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**Section 6: Division Activities in past year (July 1, 2020 to June 30, 2021)**

- Attendance of members at the GeoVirtual, which included presenting the 2020 Roger JE Brown recipient – Dr. Antoni Lewkowicz
- Division meeting held virtually – well attended!, with 2 follow up meetings occurring
- Members invited and attended Canadian Permafrost Association and PermafrostNET AGM in November

**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 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 in Niagara Falls, at GeoNiagara this September 26?  
Yes / No - Yes**

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*Engineering Geology Division  
Annual Report July 1, 2020 to June 30, 2021*

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**Division Name: ENGINEERING GEOLOGY DIVISION**

**Section 1: General**

Date of report: 20 August 2021

Prepared by: Stephen Butt

Division Chair: Stephen Butt

End of Division Chair's Term: December 31<sup>st</sup> 2021

Division's CGS web page address: [http://www.cgs.ca/division\\_engineering\\_geology.php](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 (2021/2022).

- 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 and engagement in Executive and Divisional activities.
- 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.
- Evaluate a potential name change of the division to include Geological Engineering, as part of defining the division membership and their scope of practices.
- Proactively solicit nominations for EG awards including Thomas Roy Award, Hans Cloos Medal, Richard Wolters Prize, etc...

**Section 2: Current (as of June 30, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities (these will be posted on your Division webpage)**

Chair: **Stephen Butt**, Memorial University, Newfoundland (*started 01 Jan 2019*)  
 Past Chair: **Nicholas Vlachopoulos**, Royal Military College of Canada, Ontario  
 Vice Chair: **Andrew Peach**, Hatch 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](mailto:bradforbes1@gmail.com)

**Section 3: Number of Division Members (as of 30 June 2021)**

Executive Committee Members: 7  
 1<sup>st</sup> Choice members: 111  
 2<sup>nd</sup> Choice members: 265

**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/](http://www.aegweb.org/)
- Environmental and Engineering Geology Division GSA [www.geosociety.org/egd/](http://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 2021)**

Account Balance: \$8,836.00  
 Comments (point form)

- Selected funding toward on-line arrangement of Engineering Geology in Canada website /on-line Monograph to be considered in 2021
- Funding for young members initiatives also to be considered in 2021
- Funding in support of Short Course at CGS2022 being considered.

**Section 6. Division Activities in past year (July 1, 2020 to June 30, 2021)** (point form)

- **Dr. Elmo Davide** was awarded the Thomas Roy Award for 2021 to be announced at CGS2021 GeoNiagara. A total of 4 nominations were received from the EGD membership.
- Vice-Chair **Andrew Peach** is conducting a study into defining Engineering Geology to assist with defining the academic/professional requirements and scope of practice to assist, in part, with determining licensure requirements.
- PEGNL undertook an initiative to define the scope of practice for Geotechnical Engineers, Geological Engineers and Engineering Geologists with the goal 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. The EGD reached out to international bodies and national ones in an attempt to standardize such definitions and provided feedback to PEGNL
- During the reporting period, the EGD Executive had several regularly scheduled meetings and a virtual AGM in the Fall, and the EGD Chair attended the Fall CGS Board meeting.

**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 members.
- How can CGS National Office help us communicate with our division members and facilitate virtual meetings?

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

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**Division Name: Geoenvironmental Division**

**Section 1: General**

Date of this report: 30 July 2021

Prepared by: Vincent Martin

Division Chair: Vincent Martin

End of Division Chair's Term: December 2023

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 (2021/2022)?

- Keep the webinar series going (every other month). It has been a great way to engage with colleagues and students.
- Increase member engagement.

**Section 2: Current (as of January 1, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Division webpage)**

Chair: Vincent Martin

Past Chair: Magdalena Krol  
Vice Chair: Ahlam Abdulnabi (TBC)  
Secretary: N/A  
(Add others as necessary)

**Section 3: Number of Division Members (as of June 30, 2021)**

Executive Committee Members:

1<sup>st</sup> Choice members (can be obtained from Lisa):

2<sup>nd</sup> 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)

- 

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

- 

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

- 

Comments:

- 
- 

**Section 5: Division Finances (as of June 30, 2021)**

Account Balance: \$

Comments:

- 
- 

**Section 6: Division Activities in past year (July 1, 2020 to June 30, 2021)**

- Division general meeting after GeoVirtual
- Webinars (November 2020, January 2021, March 2021 and May 2021).

**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 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 in Niagara Falls, at GeoNiagara this September 26?**

**Yes / No**

Yes

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

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**Division Name: Geosynthetics Division**

**Section 1: General**

Date of this report: July 09, 2021  
Prepared by: Fady Abdelaal  
Division Chair: Fady Abdelaal  
End of Division Chair's Term: December 31, 2023

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 (2021/2022)?

- Organize a short course on geosynthetics for GeoNiagara 2021.
- Working on IGS-NA to support and contribute to 2023 CGS conference

**Section 2: Current (as of January 1, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Division webpage)**

Chair: Fady Abdelaal, Queen's University  
Past Chair: René Laprade, TenCate Geosynthetics  
Vice Chair: Eric Blond (EB Consultants)  
Vice Chair: Prabeen Joshi (Layfield)  
Secretary:  
(Add others as necessary)

**Section 3: Number of Division Members (as of June 30, 2021)**

Executive Committee Members:  
1<sup>st</sup> Choice members (can be obtained from Lisa): 44  
2<sup>nd</sup> Choice members (can be obtained from Lisa): 77  
Comments:  
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**Section 4: Is your Division affiliated with other organizations? (Admin Manual Section 6 and App 10 and 26)**

If yes:  
National affiliates and name(s) of CGS representative(s)  
•  
North American affiliates and name(s) of CGS representative(s)  
• IGS – North America (IGS-NA; formerly known as NAGS)  
International affiliates and name(s) of CGS representative(s)  
• International Geosynthetics Society (IGS)

Comments:  
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**Section 5: Division Finances (as of June 30, 2021)**

Account Balance: \$

Comments:

- No money generated in 2021 so far.

- 

**Section 6: Division Activities in past year (July 1, 2020 to June 30, 2021)**

- René Laprade, Held division meeting after GeoVirtual conference 2020
- Selection of new chair starting January 1, 2021
- Began the process of having a committee led by Fady Abdelaal to plan for offering a geosynthetics short course at GeoNiagara 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 in Niagara Falls, at GeoNiagara this September 26?  
Yes**

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*Groundwater Division  
Annual Report July 1, 2020 to June 30, 2021*

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**Division Name: Groundwater Division (GWD)**

**Section 1: General**

Date of this report: August 02, 2021

Prepared by: François Duhaime

Division Chair: François Duhaime

End of Division Chair's Term: December 31<sup>st</sup>, 2023

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 (2021/2022)?

1. Add some content on the website. The website only gives the names of the executive committee members.
2. Increase participation in the executive committee meetings.
3. Offer more activities.

**Section 2: Current (as of January 1, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Division webpage)**

Chair: François Duhaime, ÉTS

Past Chair: Jasmin Raymond, INRS

Vice Chair: Dylan Stafford, University of Manitoba  
Secretary: Vacant

### **Section 3: Number of Division Members (as of June 30, 2021)**

Executive Committee Members: 3

1<sup>st</sup> Choice members (can be obtained from Lisa): 23

2<sup>nd</sup> Choice members (can be obtained from Lisa):

### **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.

- 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, 2021)**

Account Balance: 0 \$

Comments:

- The GWD does not require an annual fee and has no budget for operation. 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, 2020 to June 30, 2021)**

- The Annual meeting was held on Zoom on October 1, 2020. Participation was increased from 2 participants in 2019 to 5 participants in 2020. Dylan Stafford (PhD student at the University of Manitoba) has offered to act as the vice-chair. It was agreed that we need to organize more activities. Videoconferencing tools like Zoom now allow division members throughout Canada to attend presentations organized at the local level. As the editor of the groundwater column in Canadian Geotechnique, François Duhaime will also try to associate more closely the groundwater division activities with the column content.
- Discussions were held with Diana Allen of IAH-CNC to hold a joint conference with CGS in Montreal in 2024 (GeoMontreal 2024). The idea was well received by the IAH-CNC executive committee. A new member representing IAH-CNC (Éric Rosa, UQAT) joined the local organizing committee for GeoMontreal 2024 in December 2020.
- The CGS shares the Robert N. Farvolden Award with the IAH-CNC. The GWD chair met with Diana Allen, Jim Roy and Brian Smerdon on March 22, 2021. Beth Parker will receive the Farvolden Award this year.
- An email was sent to the GWD members on June 17, 2021, to introduce the new executive committee members, to request papers for the groundwater column in Canadian Geotechnique, and to advertise the Canadian Geothermal Student days at the University of Manitoba. So far, this email has led to one new paper idea by Chris Neville regarding the new groundwater control chapter in the Canadian Foundation Engineering Manual.
- The GWD chair was part of the jury for the student presentation competition at the Canadian Geothermal Student days at the University of Manitoba (June 21-22, 2021). The winner was Cedar Hanneson. He is currently preparing a short paper based on his presentation for the groundwater column in Canadian Geotechnique.

### **Section 7: Additional information or comments**

- N/A

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

No

**Are you planning to attend the fall board meeting, to be held in Niagara Falls, at GeoNiagara this September 26?**  
Yes

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**Rock Mechanics Division**  
**Annual Report July 1, 2020 to June 30, 2021**

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**Division Name: Rock Mechanics Division**

**Section 1: General**

Date of this report:	July 30, 2021
Prepared by:	Jennifer Day (Queen's University)
Division Chair:	Jennifer Day (Queen's University)
End of Division Chair's Term:	December 31, 2023

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 (2021/2022)?

In early 2021, I put out a call for RMD members to apply to be on a refreshed Executive Committee. We received great response and formed a strong committee. The current RMD Executive Committee is listed in Section 2.

We are currently working on launching a series of special projects in RMD:

1. RMD Special Issue for CGS Geotechnique Magazine in Summer 2022 issue
2. RMD Workshop for GeoCalgary 2022 Conference
3. Updates to RMD Webpage on CGS Website
4. Student design competition
5. Recruitment packages for Canadian undergraduate programs that involve rock mechanics (e.g. geological engineering, mining engineering, civil engineering)
6. RMD webinar series for professional development hours
7. RMD scholarship for undergraduate students

RMD held a Spring Membership Meeting in June 2021 via Zoom which was attended by 50+ members. Minutes were sent to Michel Aubertin, Lisa Reny & Thomas Pabst & are included accompanying this report.

A RMD Membership Survey was issued in July 2021 and the last day to respond is July 31. The survey followed the Spring Membership Meeting and provided a way for members to formally comment on and/or volunteer to get involved with the Special Projects that were proposed to members at the Spring Membership Meeting. Survey results are forthcoming.

In addition, CARMA's RockEng22 Symposium is moving ahead (Chair: Jennifer Day, Technical Chair: Mark Diederichs) to be in person in August 2022 in Kingston, ON. Exact dates are TBA but the plan is expected to be the same as the original RockEng2020 plan, which was postponed due to COVID-19. For more information: [www.rockeng2020.com](http://www.rockeng2020.com).

**Section 2: Current (as of January 1, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Division webpage)**

Chair:	Jennifer Day, Queen's University
Past Chair:	Mohsen Nicksiar, SNC-Lavalin Inc.



Vice Chair: Eliane Cabot, Wood Group  
Secretary: Ghasem Shams, Université de Sherbrooke  
Member: Jonathan Aubertin, École de Technologie Supérieure  
Member: Davide Elmo, University of British Columbia  
Member: Biao Li, Concordia University  
Member: Wenbo Zheng, University of Northern British Columbia

### **Section 3: Number of Division Members (as of June 30, 2021)**

Executive Committee Members: 8  
1<sup>st</sup> Choice members (can be obtained from Lisa): 111  
2<sup>nd</sup> Choice members (can be obtained from Lisa): 230  
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)

- Canadian Rock Mechanics Association (CARMA): Jennifer Day (as CGS Representative and Webmaster) and Eliane Cabot (as Treasurer)

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

- International Society of Rock Mechanics and Rock Engineering (ISRM) via CARMA and in collaboration with Laura Pyrak-Nolte (ISRM VP North America)

Comments:

- The next VP North America for ISRM is expected to be from Canada. CGS RMD is planning to coordinate this with CARMA

### **Section 5: Division Finances (as of June 30, 2021)**

Account Balance: Unknown

### **Section 6: Division Activities in past year (July 1, 2020 to June 30, 2021)**

- Jan-May 2021: Transition to new Chair/Vice Chair and Executive Committee
- June 2021:
  - Executive Committee meeting via Zoom (June 7)
  - Spring Membership Meeting via Zoom (June 9)
  - Franklin Award Reviews (review committee was Jennifer Day (Chair), Navid Bahrani, Jean Hutchinson, Pete Stacey, Ming Cai, and Giovanni Grasselli)
- July 2021: RMD Membership Survey launched online via Google Forms
  - Started July 8, ends July 31

### **Section 7: Additional information or comments**

- Thank you to Michel, Lisa, Emily, and Thomas for your support of the new and upcoming RMD activities!

### **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?**

Will the Division Meetings at GeoNiagara be a hybrid of in person with equipment available for virtual attendance?

**Are you planning to attend the fall board meeting, to be held in Niagara Falls, at GeoNiagara this September 26?**  
**Yes / No**      Looking forward to seeing everyone in person at GeoNiagara!

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***Soil Mechanics and Foundations Division  
Annual Report July 1, 2020 to June 30, 2021***

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**Division Name: Soil Mechanics and Foundation**

**Section 1: General**

Date of this report: July 6, 2021

Prepared by: Laifa Cao

Division Chair: Laifa Cao

End of Division Chair's Term: 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 (2021/2022)?

- Select new executive committee member
- Division annual meeting
- Select G.G. Meyerhof Award
- Organize 1st CGS SMFD Distinguished Lecture
- Prepare 2<sup>nd</sup> CGS SMFD Distinguished Lecture
- Lead author for one chapter and review of one chapter of Canadian Engineering Foundation Manual 2021
- Review abstracts and papers for CGS annual conference
- Review papers for ICSMGE 2022
- Involve in the Quigley Award selection and Colloquium selection
- Contribute News and Articles for Canadian Geotechnique

**Section 2: Current (as of January 1, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your Division webpage)**

Chair:                      Laifa Cao, WSP

Past Chair:                Alex Baumgard, BGC Engineering Inc

Vice Chair:                Lijun Deng, University of Alberta

Secretary:                Lijun Deng, University of Alberta

Executive Member:      Amir Poshnejad, EllisDon Corporation  
Ashutosh Sutra Dhar, Memorial University of Newfoundland  
Cheng Lin, University of Victoria  
Jeff Lam, Rocscience Inc.  
Wenbo Zheng, University of Northern British Columbia

**Section 3: Number of Division Members (as of June 30, 2021)**

Executive Committee Members: 8

1<sup>st</sup> Choice members (can be obtained from Lisa):

2<sup>nd</sup> Choice members (can be obtained from Lisa):

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

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

- International Society of Soil Mechanics and Geotechnical Engineering

**Section 5: Division Finances (as of June 30, 2021)**

Account Balance: \$0

**Section 6: Division Activities in past year (July 1, 2020 to June 30, 2021)**

- Review ICSMGE 2021 abstracts
- Lead author for one chapter and review of one chapter of Canadian Engineering Foundation Manual 2021
- Annual meeting in October 2020
- Select G.G. Meyerhof Award
- Prepare 1<sup>st</sup> CGS SMFD Distinguished Lecture
- Review abstracts and papers for GeoNiagara conference
- Review abstracts for ICSMGE 2022
- Involve in the 2020 Quigley Award selection
- Involve in the 2021 Colloquium selection
- Contribute News and Articles for Canadian Geotechnique

**Section 7: Additional information or comments**

N/A

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

It is better for CGS National Office to share the email addresses of division members to the division chair for him/her to connect the division members.

**Are you planning to attend the fall board meeting, to be held in Niagara Falls, at GeoNiagara this September 26?**

Yes

## COMMITTEE REPORTS

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### *Education Committee Annual Report July 1, 2020 to June 30, 2021*

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**Committee Name: Education Committee**

#### **Section 1: General**

Date of report: August 11, 2021

Prepared by: Pooneh Maghoul

Committee Chair: Pooneh Maghoul

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

Committee's CGS web page address: [http://www.cgs.ca/committee\\_education.php](http://www.cgs.ca/committee_education.php)

Last time your Committee's CGS web page was updated: Feb 2021

If your Committee has a separate website, please provide address: [http://www.cgs.ca/committee\\_education.php](http://www.cgs.ca/committee_education.php)

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

<https://www.linkedin.com/company/canadian-geotechnical-society-education-committee>

<https://www.youtube.com/channel/UCRmAFXBHoKUEMGEsKibb7tw>

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

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

We have been organizing a brand new monthly CGS Education Committee webinar series 'Future of Geotechnical Education at the University Level.' This initiative has been made possible by the generous support from Northern Crescent Inc. In this webinar series, we will invite speakers to give a seminar about different topics related to geotechnical education,

professional development, and leadership as well as best strategies in Equity, Diversity, and Inclusion (EDI) in geotechnical practice. These webinars are recorded and can be found at our YouTube Channel.

- 06/2021 Interactive Mapping and Geospatial Analysis in the Cloud Using Open-Source GIS, Virtual Workshop 5.  
Speaker: Dr. Qiusheng Wu, University of Tennessee.
- 05/2021 Writing about Teaching and HQP Training: An Editor's Tips for Grant Applications & Promotion and Tenure Dossiers, Virtual Workshop 4.  
Speaker: Dr. Letitia Henville, Award-winning editor and instructor.
- 04/2021 Geotechnical Engineering Automation – Developing Improved Insights in Ground Data with Python, Virtual Workshop 3.  
Speaker: Dr. Bruno Stuyts, Visiting Professor, Ghent University.
- 03/2021 Embracing Uncertainty: lessons from my journey from Graduate Research to Entrepreneurship, Virtual Workshop 2.  
Speaker: Dr. Hamed Layssi, Co-Founder and civil engineer at FPrimeC Solutions Inc., Canada.
- 02/2021 'Animating Soil Models': Animations as teaching and learning material for soil constitutive modeling, Virtual Workshop 1.  
Speaker: Dr. Gertraud Medicus, Postdoc Researcher, Department of Geotechnical and Tunnel Engineering, University of Innsbruck.

The following webinars will focus on EDI in research and practice, Geotechnical Education, Professional Development.

## **Section 2: Last year (as of Dec 31, 2020) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Pooneh Maghoul, University of Manitoba

Past Chair: Tareq Salloum, Ontario Power Generation Inc.

Vice Chair: Kshama Roy, Northern Crescent

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: Current (Jan 1, 2021 - Dec 31, 2021) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Pooneh Maghoul, University of Manitoba

Past Chair: Tareq Salloum, Ontario Power Generation Inc.

Vice Chair: Kshama Roy, Northern Crescent

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

Executive Committee Members: 10

Total members: N/A

Comments: N/A

**Section 5: 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 6: Committee Finances (as of Dec 31, 2019)**

Account Balance: \$0

Comments:

•

•

**Section 7: Committee Activities in past year (July 1, 2020 to Dec 31, 2020)**

- CGS Student Chapters
- Interview with Canadian Legends initiative
- Canadian Foundation for Geotechnique Graduate Student Award at Master's Level.
- Canadian Foundation for Geotechnique National Graduate Scholarship

**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?**

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**Heritage Committee**  
**Annual Report July 1, 2020 to June 30, 2021**

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**Committee Name: Heritage Committee**

**Section 1: General**

Date of report: July 26, 2021  
Prepared by: Heinrich Heinz  
Committee Chair: Heinrich heinz  
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 purpose of the Heritage Committee is to preserve the history of geotechnique in Canada (minor revision since our last 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, 2021 to June 30, 2022).

- Contribute to the Special Heritage Issue of Canadian Geotechnique/Géotechnique canadienne (CG/Gc) to be published in the fall of 2022
- Work with the Local Organizing Committees of GeoNiagara and GeoCalgary to organize the Heritage component of the conferences.
- Implement an "International Page" with international contributions to Canadian geotechnique
- Continuing to populate the Virtual Archives with contributions from CGS Members
- Contribute articles to CG/Gc

**Section 2: Current (Jan 1 - Dec 31, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your CGS Committee webpage)**

Chair: Heinrich Heinz, Thurber Engineering, Calgary  
Past Chair: Dave Cruden, University of Alberta, Edmonton  
Vice Chair: Jacques Locat, Université Laval, Québec City  
Secretary: Vacant  
Member/Friend (\*):  
Emma Åström Canary Systems, Montréal  
Lijun Deng University of Alberta, Edmonton  
Rajib Dey Stantec, Toronto  
Valérie Fréchette Hydro Québec, Montréal  
Steven Harms Trek Geotechnical, Winnipeg  
Jørn Landva Golder Associates, Halifax  
Suzanne Lacasse Norwegian Geotechnical Institute, Oslo  
Andrea Loughheed BGC Engineering, Vancouver  
Fred Matich MAJM Corporation, Toronto  
Doug VanDine VanDine Geological Engineering, Victoria  
Mustapha Zergoun Geotechnical Consultant, Vancouver

(\*) The “friends” category was created in recognition that there are times when not all members can contribute to the committee, for professional and personal reasons.

### **Section 3: Number of Committee Members (as of June 30, 2021)**

Executive Committee Members:

Total members: 14

Comments:

### **Section 4: Is your Committee affiliated with other organizations?**

- Engineering Institute of Canada (History and Archives Committee) – Heinrich Heinz is the CGS representative

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, 2021)**

- The CGS has contributed \$1,500 (\$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. The project is ongoing and four to six senior CGS Members will be interviewed.

### **Section 6: Committee Activities in past year (July 1, 2020 to June 30, 2021)**

- We have continued, in conjunction with the CGS Education Committee, to promote the ‘Canadian Legends Series’. Interviews were conducted by students with Don Shields and Arvid Landva (shortly before his death). Heritage Committee member Lijun Deng and one of his students are in the process of organizing an interview with Peter Robertson.
- We have continued to populate the Virtual Archives with contributions from CGS Members
- We have contributed articles to CG/Gc
- We formed a subcommittee for selection of themes/articles for the Special Heritage Issue of CG/Gc to be published in 2022. The subcommittee members are Rajib Dey, Valérie Fréchette, Steven Harms, Heinrich Heinz, Suzanne Lacasse and Jorn Landva. The six articles will focus on the History of the Colloquium, Women in Canadian Academia, History of Geosynthetics, Early Canadian Dams, Permafrost and Northern Engineering, and Sensitive Clays with examples of Landslides from Quebec (potential authors have been approached and we received very positive responses). There will also be a shorter “closure” article on perspectives on the future of geotechnique.

### **Section 7: Additional information or comments**



- We are pleased to report that three new members/friends have joined the Heritage Committee during this past year. They are Steven Harms (Trek Geotechnical, Winnipeg), Valérie Fréchette (Hydro Québec, Montréal) and Emma Åström (Canary Systems, Montréal)

**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?**

- 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 scanning them and making them available online could be done efficiently would be welcome.

**Are you planning to attend the fall board meeting, to be held in Niagara Falls, at GeoNiagara this September 26?**

Yes

**Geohazards Committee  
Annual Report July 1, 2020 to June 30, 2021**

**Committee Name: Geohazards Committee**

**Section 1: General**

Date of report: July 15, 2021

Prepared by: Scott McDougall

Committee Chair: Scott McDougall

End of Committee Chair's Term: June 30, 2022

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, 2021 to June 30, 2022).

- Ongoing webpage updates
- Update access to national landslide guidelines
- Continue more regular committee meetings, including online graduate student research series (we have decided to hold our 2021 annual committee meeting virtually again, rather than meet in-person at GeoNiagara, to maximize participation while many committee members are still reluctant to travel)
- 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, 2021) 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, 2021)**

Executive Committee Members: 3

Total members: ~60

Comments:

- Approximately 80 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, 2021)**

Account Balance: \$10,100

Comments:

- Thank you to Thomas Pabst for finding information about our committee's account balance!

### **Section 6: Committee Activities in past year (July 1, 2020 to June 30, 2021)**

- Ad hoc subcommittee assisted with Schuster Medal nomination and selection process
- National landslide guidelines hosted on committee webpage; continuing discussion to link via ISSMGE webpage
- Committee meetings on October 1, 2020 and February 22, 2021 (meeting minutes are available on request)
- Online graduate student research series "Geohazard Connections" (a three part series of talks by students, organized in May-June 2021 by committee members Dwayne Tannant and Kaushal Raj Gnyawali)
- Assisting the organization of GeoHazards 8

### **Section 7: Additional information or comments**

- The role of committee Chair will pass from Scott to Ariane at some point in 2022; tentatively, we plan to wait until the conclusion of GeoHazards 8, at the earliest

### **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 in Niagara Falls, at GeoNiagara this September 26?  
Yes / No**

Yes (virtually)

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**Mining Geotechnique Committee**  
**Annual Report July 1, 2020 to June 30, 2021**

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**Committee Name: Mining Geotechnique**

**Section 1: General**

Date of report:	July 15, 2021
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?

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

2) List one, or two or three (or more) specific things that your committee will be working on, or wishes to accomplish, during the next CGS year (July 1, 2021 to June 30, 2022).

- Organization of a student – industry activity during GeoNiagara2021. The activity would be held on Sunday, before the icebreaker, in the same format as the student – industry activities organized during GeoQuébec and GeoVancouver and which were appreciated by the students.
- Invite new members and increase the participation of the Committee members.
- Create a student subcommittee. A student subcommittee would help 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. Such activities could be organized through the CGS Student Chapters platform.

**Section 2: Current (Jan 1 - Dec 31, 2021) 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
Secretary:	Vincent Boulanger-Martel, UQAT

**Section 3: Number of Committee Members (as of June 30, 2021)**

Executive Committee Members:	4
Total members:	40

Comments:

- 16 (very) active members attended the Committee annual meeting in October 2020.
- Around 50% of the members are students.

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

**Section 5: Committee Finances (as of June 30, 2021)**

Account Balance: 0\$

**Section 6: Committee Activities in past year (July 1, 2020 to June 30, 2021)**

- Annual meeting on October 1, 2020. Several meetings of the executive committee since the annual meeting to organize the activities described below.
- Special Mining Geotechnique Issue in the CGS Magazine (publication planned for Fall 2021). A total of six articles were prepared by specialists of the field. A subcommittee was formed to identify relevant themes and invite authors. Also, short articles were published in the CGS News section.
- Organization of a special session (1h30) at GeoNiagara 2021 on selected case studies. Michel Julien and Edouard Masengo (Agnico Eagle Mines), Thomas Lépine (Agnico Eagle) and Dennis Becker (Golder Associates) have been invited as speakers.

**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?**

N/A

**Are you planning to attend the fall board meeting, to be held in Niagara Falls, at GeoNiagara this September 26?**

Yes

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***Professional Practice Committee  
Annual Report July 1, 2020 to June 30, 2021***

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**Committee Name: Professional Practice Committee**

**Section 1: General**

Date of report: 27 July 2021  
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 is:

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

This has not changed.

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, 2021 to June 30, 2022).

- Host two Special Sessions at GeoNiagara2021
- Participate in CGS Committee & Division Check-In meetings (Chair or substitute)
- Develop relationships with Geoprosessional Business Association and others
- Draft a definition of "Engineering" for geotechnical professional practice purposes
- Facilitate our members' access to Case History data
- Continue to develop and monitor a program of initiatives at Executive Committee meetings

**Section 2: Current (Jan 1 - Dec 31, 2021) 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, University of Manitoba)

Vice Chair: Vacant

Secretary: Dylan Hill (Malroz)

André Bom (Golder Associates), Bob Patrick (Tetra Tech), Imteaz Bhuiyan (Water Security Agency of Saskatchewan), Kristen Tappenden (Alberta Transportation), Pierre Boulanger (Tetra Tech), Roger Skirrow (Alberta Transportation), Michael Snow (Golder Associates), Sylvia Dooley (Stantec), Kent Bannister (Trek Geotechnical), Suzanne Powell (Thurber Engineering), and Rob Kenyon (KGS).

**Section 3: Number of Committee Members (as of June 30, 2021)**

Executive Committee Members: 14

Total members: Not known. There is no way of determining this.

Comments: It would be helpful to be able to reach out to a CGS membership group interested in Professional Practice matters.

**Section 4: Is your Committee affiliated with other organizations? Yes (informally so far)**

If yes:

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

- None

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

- Geoprosessional Business Association (formerly ASFE) - Michael Snow

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

- None

Comments:

- Other North American organisations are being considered for affiliation based on Professional Practice issues.

#### **Section 5: Committee Finances (as of June 30, 2021)**

Account Balance: \$0.00

- Comments: Committees are not financed, and the Committee holds no funds.

#### **Section 6: Committee Activities in past year (July 1, 2020 to June 30, 2021)**

- Three Executive Committee Meetings held on-line on: 2 September 2020, 4 November 2020, and 16 June 2021.
- Hosted Special Session at GeoVirtual 2020 on Tuesday 15 September: "Geotechnical risks and other issues pertaining to different procurement models". Attendance ranged from 27 to 32.
- Annual Meeting held online on 23 September.

#### **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?**

There appears to be no way to identify those CGS members who may have an interest in Professional Practice (or other) issues, and then to invite their engagement on issues on the Committee's work program. It may be helpful to allow members to identify when re-registering and paying their annual fees those Divisions and Committees in which they have an interest and from whom they would be pleased to receive direct communications. For practical reasons, it may be necessary to limit the number of internal groups identified by each CGS member.

The Professional Practice Committee has not distinguished between the "Committee" and the "Executive Committee", because in our case, they are the same. The "Committee" may sometimes just consist of those members who showed up at the most recent Annual Meeting. The "Executive Committee" may consist of those who engage in the Committee's work between Annual Meetings. Perhaps this is worthy of more definition.

#### **Are you planning to attend the fall board meeting, to be held in Niagara Falls, at GeoNiagara this September 26?**

**Yes / No**

Yes: Online if possible.

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***Sustainable Geotechnics Committee  
Annual Report July 1, 2020 to June 30, 2021***

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**Committee Name: Sustainable Geotechnique**

#### **Section 1: General**

Date of report: July 15, 2021

Prepared by: Catherine Mulligan

Committee Chair: Catherine Mulligan

End of Committee Chair's Term: Dec. 2022

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, 2021 to June 30, 2022).

- Several committee meetings will take place virtually
- Establishing a webinar series on sustainable geotechnic related topics. Some maybe jointly with Divisions or other committees.
- Updating of web site to include links to relevant committees and other resources
- Special edition and articles on sustainable geotechnics in CGS News

**Section 2: Current (Jan 1 - Dec 31, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your CGS Committee webpage)**

Chair: Catherine Mulligan, Concordia University

Past Chair: Tim Newsom, Western

**Section 3: Number of Committee Members (as of June 30, 2021)**

Executive Committee Members:

Dipanjan Basu, University of Waterloo  
 Ian Fleming, University of Saskatchewan  
 Roger Skirrow, *Alberta Transportation*  
 Stan Gonsalves, *exp*  
 Tony Sangiuliano, *MTO*  
 Susanne Chan, *MTO*  
 Imteaz Bhuyian, Water Security Agency  
 Justyna Kos-Fairless, Syncrude  
 Pooneh Maghoul, University of Manitoba  
 Lilianne Landry-Pare, Thurber  
 Savanna Herman, RST Instruments  
 Laxmi Kant Kachhwal, Nichols Environment  
 Biao Li, Concordia University

Total members: 15

Comments:

- 

**Section 4: Is your Committee affiliated with other organizations? Yes**

- 

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

- 

Comments: ISSMGE TC 307

- C. Mulligan
- D. Basu

- T. Newsom (also board member of ISSMGE)
- 

#### **Section 5: Committee Finances (as of June 30, 2021)**

Account Balance: \$ 0

Comments:

- 

#### **Section 6: Committee Activities in past year (July 1, 2020 to June 30, 2021)**

- Review of papers and chaired sustainable geotechnic session for GeoVirtual Conference 2020
- Organized a couple of committee meetings virtually after GeoVirtual conference in Oct. 2020 and March 2020
- Promotion and organization of Triennial Summit. (triennial2021.ca), May 25 and 26 , Infrastructure resilience to climate change, organized by ASCE/CSCE/ICE

#### **Section 7: Additional information or comments**

- 

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

**Are you planning to attend the fall board meeting, to be held in Niagara Falls, at GeoNiagara this September 26?**

**Yes**

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

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**Committee Name: Transportation Geotechnique Committee (TGC)**

Please complete by **July 15, 2021** and email copies to:

Lisa Reny, Director of Communications and Society Operations [admin@cgs.ca](mailto:admin@cgs.ca)

Michel Aubertin, Executive Director [ExecDir@cgs.ca](mailto:ExecDir@cgs.ca)

Thomas Pabst, Division Rep on CGS Executive Committee [t.pabst@polymtl.ca](mailto:t.pabst@polymtl.ca)

#### **Section 1: General**

Date of report: July 19, 2021

Prepared by: Harpreet Panesar

Committee Chair: Harpreet Panesar

End of Committee Chair's Term: 2022

Committee's CGS web page address: [http://www.cgs.ca/transportation\\_committee.php?lang=en](http://www.cgs.ca/transportation_committee.php?lang=en)

Last time your Committee's CGS web page was updated: Fall 2016 (Recommended updates have been shared with Thomas Pabst to be forwarded to Lisa Reny)

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



The TGC's mission statement is connecting the transportation geotechnique professionals around the world. The TGC's area of interest covers a broad range of transportation-related geotechnique topics including:

- Geotechnical design, construction and maintenance of transportation infrastructures
- Earthworks for transportation facilities
- The use of geo-materials and recycled materials
- Geotechnique design for roadways, rail lines, pipelines, sea ports and airfields
- Geosynthetics and their applications
- Ensuring the sustainability, ongoing performance evaluation and rehabilitation of transportation infrastructure
- The development and application of risk management systems for transportation infrastructure, as well as the evaluation and environmental impacts
- Evaluation and mitigation of geohazards that could impact critical transportation infrastructure.

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, 2021 to June 30, 2022).

- Community engagement through hosting Technical Talks and with active social media presence.
- Currently, 110 professionals have joined the TGC LinkedIn Group and would like to keep building momentum by reaching out to more members and professionals.
  - GeoNiagara 2021 was strongly supported and promoted under TGC LinkedIn Group.

**Section 2: Current (Jan 1 - Dec 31, 2021) Executive Committee Members and their Affiliations (employers or if students, universities – these will be posted on your CGS Committee webpage)**

Chair: Harpreet Panesar, Government of Saskatchewan - Highways  
Past Chair: Don Lewycky, Retired  
Vice Chair: Brent Hay, TREK Geotechnical Inc  
Secretary: Ahmed Mahgoub, Dalhousie University

**Section 3: Number of Committee Members (as of June 30, 2021)**

Executive Committee Members: 4  
Total members: 110

Comments:

- The number of members are based on the number of active members that have joined the Transportation Geotechnique Committee LinkedIn Group <https://www.linkedin.com/groups/12496687/>.
- Our number of active members grew from 67 (in June 2020) to 110 (in June 2021), which is a good sign of growth.

**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) – Brent Hay
- Rail Ground Hazard Research Project (RGHRP) – Tom Edwards, Mario Ruel, Chris Bunce, Roger Skirrow, Tim Keegan, Jean Hutchinson, Melissa Ruel, David Cook
- Canadian Rail Research Laboratory (CaRRL) – Renato Macciotta, Vivian Gang

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:

- The Canadian Rail Research Laboratory (CaRRL) is hosting its inaugural Canadian & Cold Regions Rail Research Conference from November 9-10, 2021. This conference is currently being endorsed by TGC.

#### **Section 5: Committee Finances (as of June 30, 2021)**

Account Balance: \$0

Comments:

- TGC has submitted a request to the CGS National via Thomas Pabst to open a restricted account.

#### **Section 6: Committee Activities in past year (July 1, 2020 to June 30, 2021)**

- TGC Committee met via MS Teams on October 2, 2020, Feb 03, 2021, and June 23, 2021.
- TGC Committee hosted the following technical talks via MS Teams.
  - Feb 03, 2021 “Micropiles Design and Construction for Infrastructure Projects in North America” by Dr Don Dotson and was attended by more than 100 delegates.
  - June 23, 2021 “Soil-Structure Interaction of Buried Infrastructures” by Dr Hany El Naggar and was attended by more than 200 delegates.
- TGC’s chair, Harpreet Panesar, presented to the Geotechnical Society of Edmonton on April 20, 2021. The presentation of his title was “Saskatchewan Highways Geotechnical Delivery Standard” and was attended by more than 100 delegates.
- TGC’s webpage needed to be updated. Harpreet shared the new webpage content with Thomas Pabst for review and to pass it along to Lisa Reny’s team.
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#### **Section 7: Additional information or comments**

- TGC Committee is planning to host additional technical talks and workshops.
- 24 abstract submissions were received by the GeoNiagara 2021 LOC under the Transportation category.

#### **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?**

- TGC has submitted a request to the CGS National via Thomas Pabst to open a restricted account.
- Some of the members representing TGC’s cross associations might have retired or retiring soon. TGC will appreciate CGS National’s recommendation and assistance to find suitable replacements to continue to act as liaisons.

**Are you planning to attend the fall board meeting, to be held in Niagara Falls, at GeoNiagara this September 26?**

**Yes / No**

Yes, tentatively. Harpreet still waiting on approval for the out-of-province travel request.

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*Membership Committee*  
*Annual Report July 1, 2020 to June 30, 2021*

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**Committee Name: Membership**

## **Section 1: General**

Date of report: 27 Jul 21

Prepared by: David Wood

Committee Chair: David Wood

End of Committee Chair's Term: believed to be 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) We plan to continue to implement recommendations from the Membership Survey in the next year. This means we will:

- 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, 2021) 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)

Members: Justyna KosFairless (Syncrude, CGS VPCOM)

Vincent Castongay (ULaval)

Julie Therrien (MTQ)

Ramy Saadeldin (OPG)

Kathryn Dompierre (Geoslope)

## **Section 3: Number of Committee Members (as of June 30, 2021)**

Executive Committee Members: 6

Total members: 6

Comments: Coordination with the CGS Executive is maintained through Justyna KossFairless

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

## **Section 5: Committee Finances (as of June 30, 2021)**

Account Balance: N/A

## **Section 6: Committee Activities in past year (July 1, 2020 to June 30, 2021)**

- Regular virtual Committee meetings have been held during this past year
- A virtual Town Hall was held with Members of the Executive and Membership Committee to explore communications between CGS Members and their Executive

- Analysis of the Member Survey has continued, with development of implementation strategies and the start of individual work by Committee Members in specific areas
- One area with a full roll out was to hold a Local Chapter event as a CGS presentation, to invite the local PEO Chapter to join, expand that to three other communities (both CGS and PEO) and end up with 65 attendees in a virtual setting

**Section 7: Additional information or comments**

- Virtual meetings have continued during Covid-19 related times, and this has developed further as new software platforms have become available. The experience of holding meetings in the new video format rather than as a voice-only teleconference has expanded the ability of the Membership Committee to work together effectively over this last year
- Further work with the results of the Member Survey will be announced through CGS News sources

**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 in Niagara Falls, at GeoNiagara this September 26?  
Yes**

## OTHER REPORTS

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### *Geotechnical Research Board Annual Report July 1, 2020 to June 30, 2021*

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#### **Geotechnical Research Board (GRB)**

##### **Section 1: General**

Date of report: July 30  
Prepared by: Greg Siemens  
GRB Chair: Greg Siemens  
End of Chair's Term: 2022

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

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 the GRB will be working on, or wishes to accomplish, during the next CGS year (July 1, 2021 to June 31, 2022).

- Evaluation of submissions and selection of the 2022 Colloquium (name to be announced at GeoNiagara 2021);
- Evaluation of selected papers for the 2021 Gzowski Medal.
- Organization of a special session with NSERC on Alliance Grants

##### **Section 2: Current (Jan 1 - Dec 31, 2021) Executive Committee Members and their Affiliations (employers or, if students, universities – these will be posted on your CGS webpage)**

Chair: Greg Siemens  
Past Chair: Bruno Bussiere  
Vice Chair: Marolo Alfaro  
Secretary: N/A  
(Add others as necessary)

##### **Section 3: Number of Committee Members (as of June 30, 2021)**

Executive Committee Members: 2 – Chair and Vice-Chair  
Total members: 13

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

If yes:

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

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

•

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

##### **Section 5: GRB Activities in past year (July 1, 2020 to June 30, 2021)**

- Annual Virtual Meeting over Zoom in December 2020
- Participation to the jury of the Gzowski Medal

- Selection of Colloquium recipient
- Pre-planning of a special session in GeoCalgary

**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 VP Technical, the CGS National Office or fellow Board members?**

**No**

**Are you planning to attend the fall board meeting, to be held in Niagara Falls, at GeoNiagara this September 26?**

**Yes**

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***Canadian Geotechnical Journal, Greg Siemens, Editor-in-Chief  
Annual Report July 1, 2020 to June 30, 2021***

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*Canadian Geotechnical Journal* continues to attract a healthy number of manuscripts, with 779 manuscripts received in 2020, down from 851 received in 2019. We continue to monitor these and other effects from the ongoing pandemic. During these times we rely on and appreciate the efforts of our volunteer Associate Editors, Editorial Board Members, and Reviewers in the journal's operations.

The journal's 2-year impact factor increased from 2.80 in 2019 to 3.725 in 2020. 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 Michael Hendry, George Kouretzis, and Ryan Phillips, who stepped down from the Associate Editor role. We also welcome on board Nina Stark and Shanyong Wang as our new AEs in 2021.

Editor-in-Chief (EIC) Daichao has decided to step down by the end of 2021. Daichao has served the journal for many years, first as an AE and then as an EIC, and has made an outstanding contribution to the journal's success. Daichao has demonstrated outstanding leadership throughout his time with the journal displaying exemplary professionalism and objectivity and leading initiatives such as the Editorial Board Membership.

We are also very pleased to welcome our new EIC, Charles Ng, who has been an AE of the journal since 2002. Charles will take on the EIC beginning on July 1, 2021.

Finally, we extend our appreciation and thanks to 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. Their continued support makes our roles as EICs possible and, indeed, much more enjoyable.

Greg Siemens, Charles Ng  
Co-Editors-in-Chief  
*Canadian Geotechnical Journal*

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**CGS News – Nicholas Beier, Editor**  
**Annual Report July 1, 2020 to June 30, 2021**

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This is my third annual report as the CGS News Editor, since taking up the post on January 1, 2019. This is the second year of the *Canadian Geotechnique/Geotechnique canadienne* (it replaced *Geotechnical News* in 2020), and with it, the CGS News section. I have worked closely with Lisa Reny, Emily Fournier, Doug VanDine, and Bill Reny and the Editorial Board, to ensure the CGS News has maintained its required content.

The CGS News section continues to be published four times a year (Spring, Summer, Fall and Winter), with mandatory items appearing in each specific issue as detailed in the CGS Administration Manual. Content also comes from a variety of sources including the various local Sections, Divisions and Committee chairs and CGS members. A reminder, CGS News items (typically less than 500 words plus a photo or two) cover what is going on, what has gone on and what will be going on in the CGS, and the people involved. These items include what, where, why, how and who nationally, in the Sections, Divisions, Committees and the Geotechnical Research Board (GRB).

I compile and submit the CGS News items to Lisa McJunkin approximately 2 months prior to the publication date. The team at Karma-Link and the editors are continuing to develop an efficient, easy to follow workflow to ensure news items are received, edited and compiled in time to meet publishing deadlines. Working with Lisa and Doug, a long-range content and issue planner has been developed for the magazine and the CGS News section. We have worked hard to increase the bilingual content in the CGS News section and almost all new items have been printed in both French and English over the past year. However, timing of submissions is still the limiting factor. To ensure translations can be completed in a timely manner, it is planned to push submission deadlines a little earlier.

The Winter (December) 2020 issue featured an expanded CGS News section with 24 pages dedicated to the GeoVirtual 2020 conference. Summaries of the various conference components were included in this section including keynote lectures, special panel sessions, awards and honors, social activities and short course offerings. A similar focus is planned for Winter 2021 issue, following the 2022 annual conference.

Over the past year, the CGS news section also highlighted major accomplishments and awards of our colleagues in the Members in the News section. In some cases, I utilized citations, which were prepared by Lisa and Emily for the E-News, to communicate why our members were so deserving of their awards. Other citations were submitted by members.

During 2020 and 2021, I have encouraged Section, Division, Committee and the GRB chairs to prepare news items describing the mandates, goals and initiatives of their respective groups. Unfortunately, only a few submissions were prepared. To enhance the visibility of these groups, a proposal will be presented to the CGS Board at GeoNiagra to pre-schedule news item submissions from these groups. This would bolster the CGS News section and better inform our members of all the great work that goes on in the society. Most of this information could come from the yearly fall updates prepared for the CGS annual reports and the Canadian geotechnical conferences, plus interesting events or activities that are planned or have recently occurred. I am happy to work with Directors and Chairs to discuss potential news items and content.

Several future issues of the magazine will include special feature sections containing technical articles dedicated to particular themes. For example, the Fall 2021 issue will contain articles featuring Mining Geotechnique. The CGS News section will compliment these themed issues where applicable. Starting in 2021, semiannual articles from the Canadian

Foundation for Geotechnique have been included in the Geo-Interest section. As well, Vincent Castonguay has taken on the new role of Young Professional Editor in the Features section of the Magazine.

I will continue my initiatives to promote young professionals and diversity within the society. For example, in the September/Fall 2020 issue, five very deserving Women of the Vanier Canada Graduate Scholarship were featured.

My second year as CGS News Editor would not have been successful without the support and patience I received from the CGS Executive Committee and the Board of Directors. Thanks to Mario Ruel and Ian Moore for their timely submissions of their President's Message. Lisa has been extremely helpful guiding me through the first full year of the new magazine, arranging the French translations and managing content. I continue to encourage all members of the Board of Directors to submit news items and announcements to me. In the case of time sensitive articles, please remember that I need to receive these contributions at least two months prior to the publication date.