



**THE CANADIAN  
GEOTECHNICAL SOCIETY**

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**LA SOCIÉTÉ CANADIENNE  
DE GÉOTECHNIQUE**

**2024**

**Annual Report / Rapport annuel**

**(July 1, 2023, to June 30, 2024,  
with some more recent information)**

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

**2024 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 2024**

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

<b>Executive Committee / Comité exécutif</b>		<b>Engineering Geology Géologie de l'ingénieur</b>	2024
<b>President / Président</b>	2024	<b>Andrew Peach, P. Geo.</b> <a href="mailto:andrew.peach@hatch.com">andrew.peach@hatch.com</a>	
<b>Rob Kenyon, Ph.D., P.Eng., FEIC</b> <a href="mailto:president@cgs.ca">president@cgs.ca</a> / <a href="mailto:rkenyon@kgsgroup.com">rkenyon@kgsgroup.com</a>			
<b>Vice President Technical Vice-président technique</b>	2024	<b>Geoenvironmental Géoenvironnement</b>	2024
<b>Craig Lake, PhD, FEIC, P.Eng.</b> <a href="mailto:vpotech@cgs.ca">vpotech@cgs.ca</a> / <a href="mailto:Craig.Lake@Dal.Ca">Craig.Lake@Dal.Ca</a>		<b>Vincent Martin</b> <a href="mailto:vincentmartin911@gmail.com">vincentmartin911@gmail.com</a>	
<b>Vice President Financial Vice-présidente aux finances</b>	2024	<b>Geosynthetics Géosynthétiques</b>	2026
<b>Pooneh Maghoul, Ph.D.</b> <a href="mailto:vpfinance@cgs.ca">vpfinance@cgs.ca</a> / <a href="mailto:pooneh.maghoul@polymtl.ca">pooneh.maghoul@polymtl.ca</a>		<b>Sam Bhat</b> <a href="mailto:sam@titanenviro.ca">sam@titanenviro.ca</a>	
<b>Vice President Communications &amp; Member Services / Vice-présidente Communications et services aux membres</b>	2024	<b>Groundwater Eaux souterraines</b>	2026
<b>Eliane Cabot, P.Eng.</b> <a href="mailto:vpcomm@cgs.ca">vpcomm@cgs.ca</a> / <a href="mailto:eliane.cabot@newmont.com">eliane.cabot@newmont.com</a>		<b>Sonny Sundaram</b> <a href="mailto:sonny.sundaram@englobecorp.com">sonny.sundaram@englobecorp.com</a>	
<b>Young Professional Representative Représentante des jeunes professionnels</b>	2024	<b>Rock Mechanics Mécanique des roches</b>	2026
<b>Silvia Nobre, Ph.D.</b> <a href="mailto:ypprep@cgs.ca">ypprep@cgs.ca</a>		<b>Jonathan Aubertin, P.Eng.</b> <a href="mailto:Jonathan.Aubertin@etsmtl.ca">Jonathan.Aubertin@etsmtl.ca</a> <b>Jennifer J. Day, P.Eng., PGeo</b> <a href="mailto:day.jennifer@queensu.ca">day.jennifer@queensu.ca</a>	
<b>Divisions and Committees Representative Représentante des divisions et comités</b>	2024	<b>Soil Mechanics and Foundations Mécanique des sols et des fondations</b>	2024
<b>Jennifer Day, P.Eng., PGeo</b> <a href="mailto:day.jennifer@queensu.ca">day.jennifer@queensu.ca</a>		<b>Lijun Deng, P.Eng.</b> <a href="mailto:ldeng@ualberta.ca">ldeng@ualberta.ca</a>	
<b>Section Representative Représentante des sections</b>	2025	<b>Section Directors Directeurs des sections</b>	
<b>Lilianne Landry-Paré, P. Eng.</b> <a href="mailto:lilianne.landry-pare@hatch.com">lilianne.landry-pare@hatch.com</a>		<b>Vancouver Island Geotechnical Group</b>	Unknown
<b>Division Chairs Présidents des divisions</b>		<b>Caleb H. Scott, P.Eng.</b> <a href="mailto:cscott@thurber.ca">cscott@thurber.ca</a>	
<b>Cold Regions Geotechnology Géotechnologie des régions froides</b>	2025	<b>Vancouver Geotechnical Society</b>	2024
<b>Ryley Beddoe</b> <a href="mailto:ryley.beddoe@rmc.ca">ryley.beddoe@rmc.ca</a>		<b>Marc Bossé, P.Eng.</b> <a href="mailto:mbose@thurber.ca">mbose@thurber.ca</a>	
		<b>Prince George Geotechnical Group</b>	Unknown
		<b>Warren Lemky, P.Eng.</b> <a href="mailto:warren.lemky@gov.bc.ca">warren.lemky@gov.bc.ca</a>	

<i>Interior BC Section</i> <b>Kevin Bodnar, P.Eng.</b> <a href="mailto:bodnar@geopacific.ca">bodnar@geopacific.ca</a>	2026	<i>Nova Scotia Section</i> <b>Justin Matthew</b> <a href="mailto:Justin.Matthew@tpsgc-pwgsc.gc.ca">Justin.Matthew@tpsgc-pwgsc.gc.ca</a>	2024
<i>Geotechnical Society of Edmonton</i> <b>Ken Froese, P.Eng.</b> <a href="mailto:kfroese@thurber.ca">kfroese@thurber.ca</a>	2024	<i>Newfoundland (St. John's Section)</i> <b>Shawn Russell</b> <a href="mailto:shawn.russell@gemtec.ca">shawn.russell@gemtec.ca</a>	2024
<i>Calgary Geotechnical Society</i> <b>Lilianne Landry-Pare, P.Eng.</b> <a href="mailto:lilianne.landry-pare@hatch.com">lilianne.landry-pare@hatch.com</a>	2025	<b>Chairs of Committees</b> <b>Présidents Comités</b>	
<i>Saskatoon Geotechnical Group</i> <b>Adam Leik</b> <a href="mailto:aleik@srk.com">aleik@srk.com</a>	Unknown	<b>Education Committee</b> <b>Comité sur l'éducation</b> <b>Cheng Lin, Ph.D., P.Eng.</b> <a href="mailto:chenglin918@uvic.ca">chenglin918@uvic.ca</a>	2024
<i>Regina Geotechnical Group</i> <b>Rashed Chowdhury</b> <a href="mailto:rashed_chowdhury@clifton.ca">rashed_chowdhury@clifton.ca</a>	2025	<b>Geohazards Committee</b> <b>Comité sur les géorisques</b> <b>Megan van Veen, P.Eng.</b> <a href="mailto:MVanVeen@bgcengineering.ca">MVanVeen@bgcengineering.ca</a>	2026
<i>Manitoba Section</i> <b>David Kurz, P.Eng.</b> <a href="mailto:dkurz@kqsgroup.com">dkurz@kqsgroup.com</a>	Unknown	<b>Heritage Committee</b> <b>Comité sur le patrimoine</b> <b>Heinrich K. Heinz, P.Eng.</b> <a href="mailto:HHeinz@thurber.ca">HHeinz@thurber.ca</a>	2024
<i>Thunder Bay Section</i> <b>Colin Hunter</b> <a href="mailto:hunter@lakeheadu.ca">hunter@lakeheadu.ca</a>	2026	<b>Membership Committee</b> <b>Comité des membres</b> <b>Justyna Kos-Fairless, P.Eng.</b> <a href="mailto:jkosfairless@suncor.com">jkosfairless@suncor.com</a> <b>Vincent Castonguay, P.Eng.</b> <a href="mailto:vincent.castonguay.consultant@gmail.com">vincent.castonguay.consultant@gmail.com</a>	2025
<i>Sudbury Section</i> <b>André Bom, P. Eng.</b> <a href="mailto:andre.bom@wsp.com">andre.bom@wsp.com</a>	Unknown	<b>Mining Geotechnique Committee</b> <b>Comité sur la géotechnique minière</b> <b>Ahlam Abdunabi</b> <a href="mailto:aabdunabi@thurber.ca">aabdunabi@thurber.ca</a>	2024
<i>London Section</i> <b>Philips Aby</b> <a href="mailto:philips.abby@exp.com">philips.abby@exp.com</a>	2025	<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>	2024
<i>Southern Ontario Section</i> <b>Charles Crans</b> <a href="mailto:cqcrans@outlook.com">cqcrans@outlook.com</a>	2024	<b>Sustainable Geotechnics Committee</b> <b>Comité sur la géotechnique durable</b> <b>Sumi Siddiqua</b> <a href="mailto:sumi.siddiqua@ubc.ca">sumi.siddiqua@ubc.ca</a>	2025
<i>Kingston Section</i> <b>E. Maria Skordaki</b> <a href="mailto:Efrosyni.Skordaki@rmc.ca">Efrosyni.Skordaki@rmc.ca</a>	Unknown	<b>Transportation Geotechnique Committee</b> <b>Comité sur la géotechnique des transports</b> <b>Harpreet Panesar, P.Eng.</b> <a href="mailto:sales@soilrocks.ca">sales@soilrocks.ca</a>	Unknown
<i>Ottawa Geotechnical Group</i> <b>Mohammed Al-Khazaali</b> <a href="mailto:maturki1980@gmail.com">maturki1980@gmail.com</a>	2025	<b>Young Professionals Committee</b> <b>Comité sur jeunes professionnels</b> <b>Kshama Roy, P.Eng.</b> <a href="mailto:kshama.roy@dnv.com">kshama.roy@dnv.com</a>	2024
<i>Section régionale Ouest-du-Québec</i> <b>Mourad Karray</b> <a href="mailto:Mourad.karray@usherbrooke.ca">Mourad.karray@usherbrooke.ca</a>	2024		
<i>Section régionale Est-du-Québec</i> <b>Vincent Castonguay</b> <a href="mailto:vincent.castonguay.consultant@gmail.com">vincent.castonguay.consultant@gmail.com</a>	2024		
<i>New Brunswick Section</i> <b>Christopher McQueen, P.Eng.</b> <a href="mailto:Christopher.McQueen@englobecorp.com">Christopher.McQueen@englobecorp.com</a>	Unknown		

**Geotechnical Research Board** 2025  
**Conseil de la recherche en géotechnique**  
**Marolo Alfaro**  
[Marolo.Alfaro@umanitoba.ca](mailto:Marolo.Alfaro@umanitoba.ca)

**Editor-in-Chief, Canadian Geotechnical Journal**  
**Rédacteur en chef de la revue Canadian Geotechnical Journal**  
**Andy Take**  
[andy.take@queensu.ca](mailto:andy.take@queensu.ca)

**Editor, Canadian Geotechnique** 2025  
**Directeur de rédaction, Géotechnique canadienne**  
**Nicholas Beier, P.Eng.**  
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**Representative of CSCE on CGS Board** June 2025  
**Représentant de la SCGC sur le Conseil de la SCG**  
**Bing Chen**  
[president@csce.ca](mailto:president@csce.ca)

**Past President /** 2024  
**Président sortant**  
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**Executive Director / Directeur général**  
**Michel Aubertin, Ph.D.**  
[ExecDir@cgs.ca](mailto:ExecDir@cgs.ca) ; [DirGen@cgs.ca](mailto:DirGen@cgs.ca)

**Administrator / Administrateur**  
**Karma-Link Management Services**

**Director, Communications and Society Operations /**  
**Directrice, Communications et opérations de la Société**  
**Lisa Reny**  
[admin@cgs.ca](mailto:admin@cgs.ca)

**Coordinator, Communications and Member Services**  
**Coordonnatrice, Communications et services aux membres**  
**Emily Fournier**  
[efournier@cgs.ca](mailto:efournier@cgs.ca)

#### REPRESENTATIVES ON OTHER ORGANIZATIONS / REPRÉSENTANTS AUPRÈS D'AUTRES ORGANISATIONS

**Representative to EIC Council**  
**Représentant sur le Conseil de l'ICI**  
(CGS President /Président de la SCG)  
**Rob Kenyon Ph.D., P.Eng., FEIC**  
[president@cgs.ca](mailto:president@cgs.ca) / [rkenyon@kgsigroup.com](mailto:rkenyon@kgsigroup.com)

**Representative to CFES Council**  
**Représentant sur le Conseil de la FCST**  
**Jennifer J. Day, P.Eng., PGeo**  
[day.jennifer@queensu.ca](mailto:day.jennifer@queensu.ca)

**Representative to CSCE Board**  
**Représentante sur le Conseil de la SCGC**  
(CGS President /Président de la SCG)  
**Robert Kenyon, P.Eng.**  
[president@cgs.ca](mailto:president@cgs.ca) / [rkenyon@kgsigroup.com](mailto:rkenyon@kgsigroup.com)

It has been an honour and a privilege to prepare this second and final annual report as the Society's President and to provide a summary of key achievements, activities, and initiatives over this past year. More detailed descriptions are contained within the many accompanying annual reports prepared by CGS Sections, Divisions, and Committees. All reports are available on the CGS website [www.cgs.ca](http://www.cgs.ca) after the annual Board of Directors Meeting. I have this saying that any success of our Society is due to the extensive volunteering at all levels, which results in the outstanding engagement we enjoy. In any given year there will be one or two conferences organized by Society members, there will be students organizing technical and professional meetings, Young Professionals organizing a multitude of events, members submitting technical papers to our Journal and to conference proceedings. In addition, there are Section, Committee, Division and Geotechnical Research Board volunteers, Task Force members, as well as the Executive Committee. I must thank each member of the Executive Committee as well as the excellent leadership and support provided by the CGS Executive Director (ED) **Michel Aubertin** and Society management services by **Karma-Link (KL)** under **Lisa Reny**. Both the ED and KL work tirelessly and effectively behind the scenes to assist our very large volunteer base.

CGS extends its thanks and congratulations to the Local Organizing Committee for GeoSaskatoon 2023, under the chairmanship of **Ian Fleming** and **Terry Werbovetski**. This 76<sup>th</sup> Annual Canadian Geotechnical Conference was held as a joint conference with the participation of the International Geosynthetics Society – North America (IGS-NA) and the International Association of Hydrogeologists – Canadian National Chapter (IAH-CNC). The conference was an enormous success, attended by 680 delegates, featuring five (5) plenary or keynote sessions, five (5) specialty sessions, and the usual social events and technical tours. A total of 227 papers and posters were accepted for presentations. The conference report contains the results of a detailed survey of delegates, sponsors, and exhibitors, who provided positive feedback and suggestions; this survey should be reviewed by organizers of future conferences. We also thank the conference sponsors and exhibitors. Your financial support makes these conferences possible. We could not hold this type of conference without your support.

On a personal level, it was my pleasure to represent CGS at the 2024 ASCE Geo-Institute GeoCongress in Vancouver in February 2024, the first time that ASCE Geo-Institute has held its annual conference outside the United States. The conference received significant support from the CGS Vancouver section, a true example of cross-border cooperation. It was also my pleasure to attend the Engineering Institute of Canada (EIC) Gala Celebration and Board meeting in Ottawa in April. CGS was particularly successful with awards this past year, with four (4) members being named Fellows and three (3) receiving Medals. CGS members continue to be recognized in large numbers due to the tireless submission efforts coordinated by **Michel Aubertin**. As president, I also attended the CSCE annual conference and Board of Director's meeting in Niagara Falls, followed by the successful 12<sup>th</sup> International Conference on Permafrost (ICOP24) in Whitehorse this past June. Attendance in Whitehorse consisted of some 474 in-person and 130 online registrations from 28 different countries. Our special thanks to the co-chairs **Lukas Arenson** and **Ryley Beddoe**.

Under VP Technical **Craig Lakes's** guidance, the Society continued its return to the in-person Cross Canada Lecture Tour (CCLT) with **Ellen Rathje**, University of Texas (Austin) providing the spring 2024 tour and **Hesham El Naggar**, Western University, ON, providing the fall 2023 lecture. **Jocelyn Hayley**, University of Calgary is scheduled to provide the fall 2024 lecture tour. Travel for the CCLT is assisted financially by the Canadian Foundation for Geotechnique (CFG) and the generous support of industry.

The 5<sup>th</sup> edition of the Canadian Foundation Engineering Manual, CFEM 2023, co-edited by **Ken Skaffeld** and **Rob Kenyon**, was released for sale at the GeoSaskatoon 2023 conference and sales have been brisk ever since. Our heartfelt thanks to all involved (and there were so many) in the production of this edition. Sales are now available to individual members, individual non-members, student members, corporations, and academic institutions. The French edition is currently being translated by francophone colleagues, under the able leadership of **Vincent Castonguay** and **Mario Ruel**. A special session updating the status of this translation has been organized for GeoMontréal 2024.

The Canadian Geotechnical Journal (CGJ) continues to maintain its reputation for excellence under Editors-in-Chief Charles Ng and **Greg Siemens** (until early 2024, when succeeded by **Andy Take**). The CGJ's 2-year impact factor is

currently 3.0, while its 5-year impact factor is 3.9. The journal maintains its reputation as one of the top geotechnical journals on the planet.

CGS would be remiss not to thank Canadian Geotechnique editor **Nicholas Beier** and publishers **Karma Link** for an excellent, focused, quarterly production of our geotechnical magazine. The magazine does not function without the strong support of our volunteers who contribute ideas and articles for publishing. Monthly E-News is coordinated by **Emily Fournier** of Karma Link, and CGS is now venturing into dedicated professional online LinkedIn groups, for Young Professionals, the Transportation Committee, and the Rock Mechanics Division in 2024.

Your VP Communications and Membership Services, **Eliane Cabot**, has worked extensively with the Membership Committee, chaired by **Justyna Kos-Fairless** and **Vincent Castonguay**, and the Young Professional Committee, chaired by **Kshama Roy**, in expanding its Mentoring Program, a Young Professional monthly webinar series, a separate quarterly Professional Development series for young Geotechnical Engineers, three in-person social events (so far), as well as the GeoWall competition in GeoSaskatoon. Planning is well underway for a different but equally exciting student competition at GeoMontréal 2024. Many thanks are extended to **Silvia Nobre** for so ably representing the YP Committee on the Executive this past year. On a separate note, **Kshama Roy** has received the 2024 ISSMGE Bright Spark Award, to be presented at Panamgeo 2024 in La Serena, Chile, in November.

The CGS Task Force for Equity Diversity and Inclusion (EDI), chaired by **Sumi Siddiqua** and reporting to **Eliane Cabot**, has been very active this past year, with special sessions at GeoSaskatoon, special sessions planned for GeoMontréal, and the organizing of at least two Women in Geotechnique forums. A final report containing recommendations on how to implement EDI principles in all aspects of the CGS operation is on schedule for delivery by the end of 2024.

CGS is also in the process of reviewing its current and aging website platform with a view to moving towards a modern integrated website and member services management platform, specifically designed for non-profit and volunteer organizations. Expect an update on this initiative in early 2025.

The stewardship of VP Finance, **Pooneh Maghoul**, has been excellent this past year, with special assistance from **Bill Reny** of Karma Link. Income from GeoSaskatoon was larger than anticipated and sales of CFEM 5<sup>th</sup> Edition 2023 have been strong. On the other side of the ledger, increased expenditure has resulted due to inflation and increased costs of travel. The 2025 budget is forecasting increased expenditures related to publishing costs of the French edition of CFEM 5<sup>th</sup> edition, updates to the website, and to very necessary updates to the CGS Administration Manual. A Task Force of former, present, and future VPs Finance has been tasked with reviewing CGS finances and providing advice on management of cash assets within CGS. CGS anticipates that report by the end of this year.

CGS Committees and Divisions, coordinated on the Executive Committee by Representative **Jennifer Day**, have been very active on all fronts this past year. A summary of activities is outlined in Jennifer's annual report. Individual reports for each committee and division have also been submitted and are available for review.

The 20 individual Sections of our Society under Sections Representative **Lilianne Landry-Paré** remain healthy and strong, with most running normal in-person activities this past year. Total membership in local Sections was approximately 3800 with about 100 in-person events having been organized. The financial health of most Sections remains quite strong with as many funds available at the Section level as at the National level. Smaller Sections typically have more difficulty in sustaining an active program though. I urge larger neighbouring Sections to support our smaller Sections technically and financially, if required.

The extent and breadth of activities I summarize here, or which are detailed in other reports, would not be possible without the excellent guidance of the CGS Executive Director **Michel Aubertin**, and the National Office management skills of Karma Link with **Lisa and Bill Reny**, **Emily Fournier**, and **Lesia Beznaczuk**. **Michel Aubertin** has announced his retirement from CGS, after 10 years of supporting five different executive committees and countless initiatives. Prior to his taking on the Executive Director's position, Michel served as President of the Society and VP Finance. His stewardship is a primary reason that CGS remains in sound financial condition, while continuing to expand its services and outreach. We are going to miss you Michel and good luck with future endeavours.

J'ai été honoré et privilégié de rédiger ce deuxième et dernier rapport annuel à titre de Président de la Société canadienne de géotechnique (SCG) et de présenter un résumé des principales réalisations, activités et initiatives de la dernière année. Vous trouverez des descriptions plus détaillées dans les nombreux autres rapports annuels préparés par les Sections, Divisions et Comités de la SCG. Vous pourrez accéder à tous les rapports sur le site Web de la SCG ([www.cgs.ca](http://www.cgs.ca)) après la réunion annuelle du Conseil de direction. J'ai l'habitude de dire que le succès de notre Société est attribuable à la forte participation bénévole de ses membres, qui implique un engagement exceptionnel à tous les niveaux. Chaque année, des membres de la Société planifient une ou deux conférences. De plus, des étudiants organisent des rencontres techniques et professionnelles, de jeunes professionnels tiennent divers événements, des membres soumettent des articles techniques à notre Revue et pour les comptes-rendus de conférence. En outre, on ne saurait passer sous silence le travail des bénévoles au sein des Sections, Comités, Divisions et du Conseil de recherche en géotechnique, ainsi que celui des membres des groupes de travail et du Comité exécutif. Je tiens à remercier chaque membre du Comité exécutif, ainsi que **Michel Aubertin**, Directeur général de la SCG, pour son leadership et son soutien remarquables, de même que **Karma Link** sous la direction de **Lisa Reny**, pour ses services de gestion de la Société. Le Directeur général et Karma Link n'ont pas ménagé leurs efforts en coulisses pour appuyer efficacement notre important effectif de bénévoles.

La SCG tient à remercier et à féliciter le Comité organisateur local de GeoSaskatoon 2023, sous la présidence d'**Ian Fleming** et de **Terry Werbovetski**. La 76<sup>e</sup> Conférence annuelle de la SCG était organisée conjointement avec l'International Geosynthetic Society – North America (IGS-NA) et la Section nationale canadienne de l'Association internationale des hydrogéologues (AIH-SNC). La conférence, qui a été couronnée de succès, a accueilli 680 délégués. Le programme comprenait cinq (5) séances plénières (avec conférenciers invités), cinq (5) sessions spécialisées, ainsi que les événements sociaux habituels et des visites techniques. Au total, 227 articles et affiches ont fait l'objet de présentations. Par ailleurs, le rapport sur la conférence contient les résultats d'un sondage détaillé mené auprès des délégués, des commanditaires et des exposants, qui ont fourni des commentaires positifs et des suggestions; les organisateurs des conférences à venir devraient examiner les résultats de ce sondage. Nous remercions également les commanditaires et les exposants dont le soutien financier a rendu possible la tenue de cette conférence. En fait, l'organisation de ce type de conférences serait impossible sans leur précieux appui.

Sur le plan personnel, j'ai eu le plaisir de représenter la SCG au GeoCongress 2024 du Geo-Institute de l'ASCE à Vancouver, en février dernier; c'était la première fois où cette conférence annuelle avait lieu à l'extérieur des États-Unis. La conférence, qui a reçu un soutien important de la Section de Vancouver de la SCG, constitue un bel exemple de coopération transfrontalière. J'ai également eu le plaisir d'assister au Gala Célébration de l'Institut canadien des ingénieurs (ICI) et à la réunion de son Conseil de direction à Ottawa en avril. La SCG a connu une année particulièrement réussie considérant les honneurs reçus par plusieurs de ses membres. Quatre (4) membres ont reçu le titre de Fellow et trois (3) autres se sont vus décerner des médailles de l'ICI. Les membres de la SCG continuent d'être reconnus en grand nombre grâce aux efforts de préparation des nominations coordonnés par **Michel Aubertin**. En tant que Président de la SCG, j'ai également assisté au congrès annuel de la Société canadienne de génie civil (SCGC) et à la réunion de son Conseil d'administration à Niagara Falls ainsi qu'à la 12<sup>th</sup> International Conference on Permafrost (ICOP24), qui a eu lieu à Whitehorse en juin dernier. Quelque 474 participants en personne et 130 en ligne provenant de vingt-huit pays différents se sont inscrits à cet événement. Nous remercions tout particulièrement les coprésidents **Lukas Arenson** et **Ryley Beddoe**.

Sous la direction du Vice-président technique, **Craig Lake**, la Société a poursuivi le redémarrage en mode présentiel de la Tournée de conférences transcanadienne (TCT) en invitant **Ellen Rathje**, de l'Université du Texas (Austin), pour la Tournée du printemps 2024, ainsi que **Hesham El Nagggar**, de l'Université Western, en Ontario, pour celle de l'automne 2023. **Jocelyn Hayley**, de l'Université de Calgary, est la tête d'affiche de la TCT à l'automne 2024. La Fondation canadienne de géotechnique (FCG) et l'industrie financent généreusement les frais de déplacement pour la TCT.



La SCG a mis en vente la 5<sup>e</sup> édition (2023) de la version originale anglaise du *Manuel canadien sur l'ingénierie des fondations* (MCIF), coéditée par **Ken Skafffeld** et **Rob Kenyon**, lors de la conférence GeoSaskatoon 2023. Depuis lors, elle se vend comme des petits pains chauds. Un grand merci à toutes les personnes (et elles sont nombreuses!) qui ont travaillé à la production de cette édition du Manuel. Elle est maintenant offerte aux membres et aux non-membres individuels, aux membres étudiants, aux entreprises et aux établissements d'enseignement. L'édition française est en cours de traduction par des collègues francophones, sous la direction de **Vincent Castonguay** et **Mario Ruel**. Une session spéciale pour faire le point sur l'avancement de cette traduction a été préparée pour GéoMontréal 2024.

La *Revue canadienne de géotechnique* (RCG) a continué de maintenir sa réputation d'excellence sous la direction des rédacteurs en chef, **Charles Ng** et **Greg Siemens**, jusqu'au début de 2024, moment auquel **Andy Take** a pris le relais pour ce dernier. Le facteur d'impact sur 2 ans de la RCG est actuellement de 3,0, tandis que sur 5 ans, il est de 3,9. La RCG maintient sa réputation d'une des meilleures publications de géotechnique dans le monde.

Nous nous en voudrions de ne pas remercier **Nicholas Beier**, rédacteur en chef de *Géotechnique canadienne*, et les éditeurs **Karma Link**, pour l'excellente production trimestrielle de notre magazine spécialisé en géotechnique. Le magazine ne pourrait exister sans l'appui inébranlable de nos membres qui contribuent à la publication en fournissant des idées et des articles. **Emily Fournier** de Karma Link coordonne l'infolettre mensuelle de la SCG (*E-Info*). De plus, en 2024, la SCG a ouvert sur LinkedIn des groupes professionnels et spécialisés pour les jeunes Professionnels, le Comité sur la géotechnique des transports et la Division de mécanique des roches.

**Éliane Cabot**, Vice-présidente aux communications et aux services aux membres, a beaucoup travaillé avec le Comité des membres, dirigé par **Justyna Kos-Fairless** et **Vincent Castonguay**, et le Comité des jeunes professionnels, dirigé par **Kshama Roy**, à l'élargissement du Programme de mentorat et au développement de la série mensuelle de webinaires pour les jeunes professionnels. Elle a aussi collaboré à l'organisation d'une série trimestrielle distincte de perfectionnement professionnel pour les jeunes géotechniciens, de trois activités sociales en présentiel (jusqu'à présent), ainsi qu'au concours GeoWall à GéoSaskatoon. La planification d'un concours pour les étudiants, différent des précédents mais tout aussi passionnant, va bon train en vue de GéoMontréal 2024. Un grand merci à **Silvia Nobre** pour avoir représenté le Comité des jeunes professionnels au Comité exécutif au cours de la dernière année. Sur une note distincte, **Kshama Roy** a reçu le prix international Bright Spark Lecture 2024 de la SIMSG, qui lui sera présenté à PanamGeo 2024 à La Serena, au Chili, en novembre prochain.

Le Groupe de travail sur l'équité, la diversité et l'inclusion (EDI) de la SCG, dirigé par **Sumi Siddiqua** et relevant d'**Éliane Cabot**, a été très actif au cours de la dernière année. En effet, il a organisé des sessions spéciales à GeoSaskatoon et prévoit d'en tenir lors de GéoMontréal, en plus de mettre sur pied deux forums sur les femmes en géotechnique. La publication d'un rapport final qui formule des recommandations sur la mise en œuvre des principes de l'EDI dans tous les aspects du fonctionnement de la SCG est prévue pour la fin de 2024.

La SCG est également en train de revoir la plateforme de son site Web actuel qui n'est plus toute jeune. Nous prévoyons passer à une plateforme de gestion de site Web et de services aux membres à la fois intégrée et moderne, spécialement conçue pour les organismes bénévoles et sans but lucratif. On devrait avoir des nouvelles sur cette initiative au début de 2025.

Au cours de la dernière année, la gérance de la Vice-présidente aux finances, **Pooneh Maghoul**, a été exemplaire, notamment grâce à l'aide spéciale de **Bill Reny** de Karma Link. Les revenus de GeoSaskatoon ont été plus importants que prévu, tandis que la 5<sup>e</sup> édition (2023) de la version anglaise du MCIF se vend bien. En contrepartie, les dépenses ont augmenté en raison de l'inflation et de la hausse des frais de déplacement. Le budget de 2025 prévoit des dépenses accrues liées aux coûts de publication de la version française de la 5<sup>e</sup> édition du MCIF, à l'actualisation du site Web et aux mises à jour absolument nécessaires du Manuel administratif de la SCG. On a demandé à un Groupe de travail, formé

d'anciens, actuel et futur Vice-présidents aux finances, d'examiner les finances de la SCG et de fournir des conseils sur la gestion de ses liquidités. La SCG prévoit que ce rapport sera prêt d'ici la fin de l'année.

Les Comités et les Divisions de la SCG, coordonnés au sein du Comité exécutif (CE) par leur représentante **Jennifer Day**, ont été très actifs dans de nombreux dossiers au cours de la dernière année. Vous trouverez un résumé de ces activités dans le rapport annuel de Jenn Day. Chaque Comité et Division a également déposé un rapport, disponibles pour consultation.

Les vingt Sections locales de notre Société, représentées au CE par **Lilianne Landry-Paré**, demeurent pour la plupart dynamiques et en bonne santé. D'ailleurs, les Sections ont en majorité repris leurs activités normales en présentiel au cours de la dernière année. Le nombre total de membres dans les Sections locales était d'environ 3 800 personnes et ces dernières ont organisé une centaine d'événements en présentiel. La santé financière de la plupart des Sections demeure saine. Cela dit, les petites Sections ont généralement plus de difficulté à maintenir un programme actif. J'exhorte donc les grandes Sections voisines à les soutenir, tant sur le plan technique que sur le plan financier, au besoin.

Toutes les activités résumées ici ou détaillées dans d'autres rapports n'auraient pas eu une telle portée ou envergure sans la direction éclairée du Directeur général, **Michel Aubertin**, et les compétences en matière de gestion de nos collègues de Karma Link, **Lisa** et **Bill Reny**, **Emily Fournier** et **Lesia Beznaczuk** au Bureau national. **Michel Aubertin** a annoncé sa retraite de la SCG, après 10 ans à soutenir sans faille cinq Comités exécutifs différents et d'innombrables initiatives. Avant d'occuper le poste de Directeur général, Michel Aubertin a été Président de la Société et Vice-président aux finances. Sa bonne gestion est l'une des principales raisons pour lesquelles la SCG demeure en bonne santé financière, tout en continuant d'élargir ses services et sa portée. Tu vas nous manquer, Michel! Bon succès dans tes projets d'avenir.

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

### **Canadian Foundation Engineering Manual (CFEM): 5<sup>th</sup> Edition**

Since the last report, the 5<sup>th</sup> Edition of the Canadian Foundation Engineering Manual (CFEM) was published for sale. Details on single copy or institutional purchases can be found on [www.cgs.ca](http://www.cgs.ca). A sincere thanks to CFEM Editors Rob Kenyon and Ken Skaffeld as well as the many volunteers responsible producing the latest version of the CFEM. A subcommittee has been created to deal with upcoming errata publication as well as to discuss future editions of the CFEM.

Currently an effort is underway by a task force of the CGS, led by Vincent Castonguay, Mario Ruel and Eliane Cabot, to develop a French translation, of the CFEM 5<sup>th</sup> edition. The team has enlisted many of our francophone CGS members to provide this very valuable and timely document. The tentative timeline for publication is 2026.

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

The CCLT is a very successful program with the tour stops being highly sought after by the local sections. Recent CCLTs include the Spring/Summer 2024 speaker, **Dr. Ellen Rathje**, University of Texas at Austin, USA. The Fall 2023 speaker was **Dr. Hesham El Nagggar**, Western University, ON. The Fall 2024 speaker will be **Dr. Jocelyn Hayley**, University of Calgary, AB. The travel for the CCLT is funded by the Canadian Foundation for Geotechnique (CFG) and the generous support of industry. The CGS wishes to thank everyone involved in planning, sponsoring, and hosting of these talks each year. Previously recorded CCLTs are available for members on the CGS website under their member login. Upcoming CCLTs will be provided by **Dr. Jason DeJong** of University of California, Davis, USA (Spring 2025), **Dr. Paul Dittrich** of WSP, Canada (Fall 2025), **Dr. Jie Han**, University of Kansas, USA (Spring 2026), and **Dr. Andy Take**, Queen's University, Canada (Fall 2026).

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

The Colloquium Lecture Series is active and has been showcasing young emerging talents within CGS for decades. The 2023 Colloquium speaker was Dr. Pooneh Maghoul from Polytechnique Montréal. The 2024 Colloquium speaker will be Dr. Ryley Beddoe of RMC, as selected by the Geotechnical Research Board. The selection process for the 2025 CGS Colloquium has been completed, with the 2025 Colloquium Speaker to be announced at GeoMontréal 2024. The Colloquium and Colloquium Lecture Series is financially supported by the Canadian Foundation for Geotechnique.

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

- **GeoSaskatoon 2023**, organized by the Northern SK section, hosted a very successful conference in Saskatoon. Co-chaired by Ian Fleming and Terry Werbovetski, and supported by their volunteer team, the conference received 680 delegates and guests and 227 presentations, in addition to the keynote speakers, special sessions and short courses. This event was co-hosted with the IAH and IGS-NA organizations. On behalf of the entire CGS community, a sincere thank you to all of the local organizing committee that made the conference a great success!
- **The 12th International Conference on Permafrost (ICOP2024)** was held in Whitehorse, Yukon between June 16 and 20, 2024. This specialty conference was organized by Canadian Permafrost Association with involvement of the Cold Regions Geotechnology Division. Thanks to Lukas Arenson and many CGS Cold Region members for helping to make this a successful event.
- **G-I Geo-Congress 2024** was held in Vancouver in February 2024. Members of the VGS CGS section assisted with organization of this conference.

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

- **GeoMontréal 2024** has been working diligently at planning for this year's conference which is being jointly organized with the IAH. Examples of keynote lectures include: (i) 2024 RM Hardy Keynote Address: Pierre Vannobel; (ii) Buchanan Lecture: Marc Ballouz; (iii) 2024 Canadian Geotechnical Colloquium: Dr. Ryley Beddoe; (iv) IAH Keynote Address: Dr. Marie Larocque.
- **GeoManitoba 2025** have been busy planning this joint CGS/CPA conference. More on this event on Wednesday at lunch at **GeoMontréal**.
- **YP Conference 2025** in Manitoba has also been busy planning this specialty conference for our young CGS members. This YP event will be held in conjunction with GeoManitoba 2025. More on this event on Wednesday at lunch at **GeoMontréal**.
- **PanAm Unsaturated Soils Conference** is being held in Ottawa from June 22-25, 2025.
- **9<sup>th</sup> Geohazards Conference** is being organized for Edmonton AB in 2026.
- The 79<sup>th</sup> annual CGS conference, **GeoQuébec** will be held in Québec City in 2026.

### **Divisions and Committees**

Divisions and Committees have been actively returning to in-person events throughout the past year. Several specialty conferences (as noted above) have been organized by CGS Divisions and Committees. Online events are also proving useful to reach more CGS members across the country. Most Divisions and Committees have held several online meetings with their EC members over the past year to establish communication with their active members.

### **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 5.85 events with over 4400 attendees attending these events across Canada. The events consisted primarily of in person events. CGS Local Section work continues to be a very important part of CGS operations and the CGS Executive Committee would like to extend thanks to all of the volunteers in local sections for creating their relevant geotechnical programming. In particular, a thank you is extended to any LOC section director whose term has ended.

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

The CGJ continues to be an internationally recognized journal and an excellent resource for our members. The CGJ's 2-year impact factor is 3.0, while its 5-year impact factor is 3.9. CGS members are actively involved with the CGJ as Editor-in-Chief, Associate Editors and Reviewers. The CGS thanks Dr. Greg Siemens for his past service to the journal as previous Editor-in-Chief. Current Editors-in-Chief are Dr. Andy Take and Dr. Charles Ng.

## Vice-President Finance Annual Report – Pooneh Maghoul

### Introduction

The following is a statement of the CGS finances for 2023-2024. Unless stated otherwise, all numbers are in thousands (000s) of dollars. CGS acknowledges the work of Karma-Link, who provided the main numbers below and coordinated with the Auditors.

This report is organized in the following sections:

1. Fiscal Year 2023 Profit and Loss Summary (audited)
2. Fiscal Year 2023 Balance Sheet (audited)
3. Fiscal Year 2024 Budget, First Half Actuals and Full Year Forecast
4. CGS Membership Statistics
5. 2025 Budget (proposed)

### 1. FY 2023 Profit & Loss Summary (\$000s)

Component	FY 2022 Audited	2023			
		Budget	Audited	Variance from Budget	Variance from Budget (%)
Membership Dues	227.1	250.0	323.3 <sup>7</sup>	73.3	29%
Publications (CFEM)	14.4	60.0	105.5 <sup>8</sup>	45.5	76%
Conferences	107.3 <sup>1</sup>	20.0	155.5 <sup>9</sup>	135.5	678%
Sponsorships	19.3	20.0	15.0	(5)	25%
Miscellaneous	8.8 <sup>2</sup>	5.0	23.5 <sup>10</sup>	18.5	370%
<b>Total Income</b>	<b>376.9</b>	<b>355.0</b>	<b>622.8</b>	<b>267.8</b>	<b>75%</b>
Memberships	3.9 <sup>3</sup>	15.0	13.5 <sup>11</sup>	(1.5)	10%
Conferences/CCLT	20.8 <sup>4</sup>	10.0	10.8 <sup>12</sup>	0.8	8%
Publications	87.8 <sup>5</sup>	90.0	132.5 <sup>13</sup>	42.5	47%
Wages & Staff Fees	176.2	185.0	192.1 <sup>14</sup>	7.1	4%
Society Operations	58.6	67.0	93.5 <sup>15</sup>	26.5	40%
New Initiatives	5.0	3.0	0.5	(2.5)	67%
Miscellaneous	8.2 <sup>6</sup>	2.0	-		
<b>Total Expenses</b>	<b>360.5</b>	<b>372.0</b>	<b>442.9</b>	<b>70.9</b>	<b>19%</b>
<b>Rev – Exp</b>	<b>16.4</b>	<b>(17.0)</b>	<b>179.9</b>	<b>196.9</b>	
Profit Margin	4.3%		28.9%		

<sup>1</sup>GeoCalgary's net profit 106,255.65 & 1025.08 from "Other Conferences".

<sup>2</sup>Income from: Interest, EIC career site and Transportation course with JD Mollard (net revenue).

<sup>3</sup>Canadian Permafrost Association 3860.0

<sup>4</sup>Conferences 14,512.22 & Net Legget Dinner Expenses 431.11 & Student Assistance 5,900 & Net CCLT Costs less partial funding from CFG

<sup>5</sup>Canadian Geotechnical Journal 25,000 & CFEM 4<sup>th</sup> Edition commission to KMS 4,307 & CGS Magazine 58,500

<sup>6</sup>Misc expenses for 2022 include the fees paid to JD Mollard for the transportation committee course.

<sup>7</sup>Strong renewals from members and from non-members attending GeoSaskatoon 2023.

<sup>8</sup>CFEM V4 sales of 9,805 (sold between Jan 1 and Sep 30) & CFEM V5 sales via CSP (sold from Oct 1 and Dec 3) of 95,561

<sup>9</sup>GeoSaskatoon 2023 (129,035) & GeoHazards (24,665) & Other conference income (1,778)

<sup>10</sup>YP Committee Sponsorships (14,800), Interest (7,200) & Webinars (1,500)

<sup>11</sup>Membership-related expenses including International memberships: Canadian Federation of Earth Sciences (2,000) & Canadian Society of Engineering Management (450) & Engineering Institute of Canada (4,232) & International Association of Engineering Geology (6,809)

<sup>12</sup>Student assistance (3,856) & Net Legget Dinner and CCLT and conference expenses (6,919)

<sup>13</sup>Publishing expenses consist of 22,054 in CFEM V5 sales commissions to CSP and 10,770 in amortization expenses (CFEM V5 development costs were capitalized and are now being expenses over 60 months) and membership-related expenses of Canadian Geotechnique publishing expenses (74,678) and electronic access to the CGJ (25,000) – note, Canadian Geotechnique publishing expenses and CFG expenses are included in membership-related expenses in the audit report and are separated here for historical comparisons.

<sup>14</sup>Wages and Staff Fees (included in society and operations in audit report). Broken out separately for YoY comparison purposes: Karma-Link Administration Fees (116,559) & Michel Aubertin Executive Director Fees (75,513)

<sup>15</sup>See audit report for breakdown of society operations expenses. Note – society operations includes new initiatives fund or 500 is included in the audit category but separated in this financial report.

## Notes to 2023 P&L

### Income

- Total income in 2023 has increased by 77% compared to the 2023 Budget, which is largely due to the net profits from the GeoSaskatoon 2023 conference & CFEM V5 sales.

### Expenses

- Total expenses increased by 21% compared to budget largely due to increased costs to deliver the increase in revenue (i.e. CFEM V5 sales commission to CSP), new amortization expenses for CFEM V5, higher travel costs and the general impact of inflation.
- Expenses ratio is very positive as it only took an increase in expenses of 21% to capture an incremental 77% increase in revenue. Even after removing the contributions from conferences, the net profit margin is 5.5%, which is a good target for a not-for-profit.

## 2. Balance Sheet as of December 31, 2023

		2023	2022	2021
<b>Assets</b>	Cash (chequing & savings)	189.1	154.9	301.4
	Restricted Funds (cash but dedicated for d&c)	65.0	62.3	49.9
	Accounts Receivable (including conf profits)	321.4	149.2	9.7
	Advances receivable (seed funds)	50.0	40.0	47.0
	Loans to CFG	335.0	335.0	335.0
	Intangible Assets (CFEM V5 capitalization)	96.9	85.7	32.5
	Equipment	-	0.1	0.2
<b>Total Assets</b>		<b>\$1,058.1</b>	<b>\$ 827.2</b>	<b>\$775.7</b>

<b>Liabilities</b>	Accounts Payable & Acrued Liabilities	98.8	80.5	68.3
	Deferred revenue (2024 member dues collected in Dec)	98.1	68.2	57.6
<b>Total Liabilities</b>		<b>\$196.9</b>	<b>\$148.6</b>	<b>\$ 125.9</b>

<b>Net Assets</b>	Unrestricted	796.1	616.3	599.8
	Internally Restricted – Cold Regions	12.8	12.8	12.8
	Internally Restricted – Engineering Geology	8.8	8.8	8.8
	Internally Restricted – Education Committee	23.0	23.0	18.2
	Internally Restricted – Geohazards Committee	10.2	10.2	10.2
	Internally Restricted – Soil Mechanics	7.2	3.5	0
	Internally Restricted – Transportation Committee	3.1	4.1	0
<b>Total Net Assets</b>		<b>861.1</b>	<b>678.6</b>	<b>649.6</b>

<b>Total Liabilities &amp; NA</b>		<b>\$1,058.1</b>	<b>\$827.2</b>	<b>\$775.7</b>
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### Notes and significant factors impacting the Balance Sheet

#### Seed Funds:

- Seed Funds Repaid in 2023:
  - Geohazards 8: \$8 K
  - YP 2022 Conference: \$7 K
- Outstanding Seed Funds (as of Dec 31, 2023):
  - GeoMontréal 2024: \$20 K
  - ICOP 2024: \$10 K
  - GeoManitoba 2025: \$20 K
- Outstanding Seed Funds (as of Aug 12, 2024):
  - GeoMontréal 2024: \$20 K, ICOP 2024: \$10 K, GeoManitoba 2025: \$20 K
  - GeoQuébec 2026: \$20 K in seed funds + \$20 K special loan (due Oct 15, 2025)
  - Total outstanding seed funds is \$90 K

#### CFEM 5<sup>th</sup> Edition:

- Value of CFEM 5<sup>th</sup> Edition Capitalization: \$96.9 (as of Dec 31, 23)
- CGS is taking a monthly amortization charge of \$1,816.7 for 60 months now the sales have begun

### 3. FY 2024 Budget, 2H Actuals and Full Year Forecast (\$000s)

Component	FY 2023	FY 2024			
		Budget	To June 30, 2024	Full Year Forecast	FY Forecast vs Budget
Membership Dues	323.3	260.0	283.1	326.0	25%
Publications	105.4	95.7	81.1	96.0	-
Conferences	155.5	30.0	0.0	53.0 <sup>1</sup>	77%
Sponsorships (corp. & events)	21.5	30.0	20.2	20.2	33%
Other (interest)	23.6	16.0	6.4	8.4	48%
<b>Total Income</b>	<b>629.3</b>	<b>431.7</b>	<b>390.8</b>	<b>503.6</b>	<b>17%</b>
Int'l. Memberships	20.3	15.0	10.1	16.0	6%
Conferences/CCLT	10.8	45.0	2.3	25.0	44%
Publications	121.8	129.0	43.7	129.0	-
Wages & Staff Fees	192.1	190.0	96.1	190.0	-
Society Operations	89.9	80.0	41.3	90.0	12.5%
New Initiatives	0.5	5.0	5.5	10.0	100%
Miscellaneous	2.0	2.0	0.0	2.0	-
CFEM V5 Amortization			10.9	21.8	N/A
<b>Total Expenses</b>	<b>449.4</b>	<b>471.0</b>	<b>209.9</b>	<b>483.8</b>	<b>3%</b>
<b>Profit (Loss)</b>	<b>179.9</b>	<b>(39.3)</b>	<b>180.9</b>	<b>19.8</b>	<b>150%</b>
<sup>1</sup> GeoMontreal 2024's net profit & ICOP 2024.					

### Notes to Accompany FY 24 Summary of Revenues and Expenses

#### Income

- Income for 2024 is expected to be \$493.6 K compared to \$431.7 K in the budget, a 14% increase. This is mainly due to organic membership growth, new members from GeoSaskatoon; and strong sales of CFEM V5 individual and multi-user editions.
- Year to date membership dues of \$283.1 K. We are forecasting \$326 K for the full year recognizing the \$32.6 K in 2024 membership dues collected at GeoSaskatoon.
- Conservatively, we are only forecasting an additional \$15 K in CFEM V5 sales for the 2<sup>nd</sup> half of the year.
- Conference income is forecasted as \$45 K in profit from GeoMontréal and \$ 8 K in profit from ICOP 24 (both net of return of seed funds).
- The Canadian Foundation Engineering Manual (CFEM) 5th Edition has been a great success generating \$95.7 K in net sales in Q4 2023 and \$ 81.1 K in 2024 YTD. The 2024 YTD total includes both individual copies and multi-user / institutional sales.
- CGS continues to receive good support for our corporate sponsors program with the generous support of 17 companies. See <https://cgs.ca/sponsors.php> for a list of current sponsors.

#### Expenses

- Full year expenses for 2024 are expected to be \$483.8 K, about 3% over budget and well justified given the 17% increase in forecasted revenue.



- Society operations costs are higher in 2024 mostly due to increases in travel expenditures and inflation.
- Publications expense includes:
  - Electronic access to the Canadian Geotechnical Journal. CGS pays \$25,000 at the start of the year and tops up based on actual memberships at the end of the year. We anticipate the top up of approximately \$ 4 K.
  - Publishing expenses for Canadian Geotechnique magazine. YTD only includes the actual costs of the spring edition. FY forecast is \$78 K.

#### 4. CGS Membership Statistics

CGS had a total of 1,441 active members on August 12, 2024, compared to 1,411 active members on Dec 31, 2023, and 1,314 active members on Dec 31, 2022.

#### CGS Membership Breakdown

	As of Dec 31, 2022	As of Dec 31, 2023	As of Aug 12, 2024
Regular Members CA	900	1,074	1,102
Regular Members INT	62	66	63
Retired Members CA	67	61	57
Retired Members INT	13	13	15
Student Members (paid)	105	108	91
Student Members (comped)	151	92	101
Honorary Life Members	4	4	4
IAH Second Society	7	4	8
CSCE Second Society	5	4	
<b>Total</b>	<b>1,314</b>	<b>1,426</b>	<b>1,441</b>

## 5. Proposed Budget 2025

	<b>2023 Audited</b>	<b>2024 Forecast</b>	<b>2025 Budget</b>
Membership Dues	323.3	326.0	325.0
Publications (CFEM V5 Sales)	105.5	96.0	75.0
Conferences	155.5	53.0	40.0
Sponsorships	15.0	20.2	25.0
Miscellaneous	23.5	8.4	15.0
<b>REVENUE</b>	<b>622.8</b>	<b>503.6</b>	<b>480.0</b>
Intl. Memberships	13.5	16.0	15.0
Conference/CCLT	10.8	25.0	15.0
Publications	132.5	115.0	129.0
KL Admin Fees	116.6		120.0
ED Fees	75.5		78.0
MA Fees (non recurring)	-		39.0
<b>Subtotal – Staff Fees</b>	<b>192.1</b>	<b>190.0</b>	<b>237.0</b>
Society Operations	93.5	90.0	95.0
CFEM V5 Amortization		21.8	21.8
Misc		2.0	
New Initiatives	0.5	10.0	
New Initiative - iMIS			50.0
New Initiatives - EDI			5.0
<b>Subtotal – New Initiatives</b>			<b>55.0</b>
<b>TOTAL EXPENSES</b>	<b>442.9</b>	<b>483.8</b>	<b>567.8</b>
<b>REV OVER EXP</b>	<b>179.9</b>	<b>19.8</b>	<b>-87.8</b>

### New Initiatives Notes

- The iMIS project is a transition from the current cgs.ca custom-developed website/member management system to a commercial software platform designed for not-for-profits. While the iMIS software is a subscription software and wouldn't be launched until the 2026 membership renewal cycle (December 1, 2025), there will be preparation work performed in 2025 to facilitate data migration and for iMIS configuration. \$25 K has been earmarked for data migration assistance from pro.net and another \$25 K earmarked for iMIS consulting.
- The work required to publish a French edition of the CFEM V5 will be capitalized and then amortized over 60 months once the French edition is available for sale. 2025 Budget does not factor in incremental revenue from French edition sales.

## **Section 1: General**

Date of report: August 18, 2024

Prepared by: Eliane Cabot, VP Communications and Member

End of Term: December 2024

## **Section 2: Membership**

The Membership Committee (MC), chaired by Justyna Kos-Fairless & Vincent Castonguay since January 2023, continued to meet virtually on a semi-monthly basis throughout the year. A total of 6 members including the chairs are involved.

There were 1446 total members as of August 14th, 2024, which is an increase of approximately 4% (61 members) compared to the same time last year.

To name only a few of the great successes emerging from the collaboration with the YP Committee, the membership committee is particularly proud of the mentoring program, the Young Professionals monthly webinar series and the annual student competition.

Considering the Webpage task force is awaiting more information on the IMIS platform success with CSCE, the membership committee decided to turn its attention towards the Sections to see how the synergy with the various committees and divisions could be improved. They would also like to facilitate access for members to volunteering opportunities.

## **Section 3: Communication**

The E-News was issued every month in the past year and continues to be an effective communication tool, with an average of 50% open rate, with slightly lower % in June and December. Thanks to Karma-Link.

Last fall CGS celebrated its 51<sup>st</sup> anniversary and a special section on the Geotechnical Society of Edmonton was published in the Canadian Geotechnique. GeoSaskatoon initiatives and successes were also acknowledged and a tribute was given to the Cold Region for their activities. We extend our thanks to Nick Beier, CG Editor, Lisa Reny, Managing Editor, Emily Fournier, Editorial Assistant, and Karma-Link publishers.

Social media followers (X (formerly Twitter), Instagram and LinkedIn) continued to increase throughout the year, especially for LinkedIn, which saw an increase of 1,724 followers (15%) with a total of 11,803 followers (August 15, 2024). To continue this increase in followers and provide relevant and regular content, CGS will continue to only have one social media account and post on behalf of all the Divisions and Committees.

After a year of monitoring, the YP Committee LinkedIn group was approved in November 2023 by the National office and EC. It set the pace for other groups to be formed. Two additional proposals were received and accepted since then, one by the RM Division and one by the Transport Geotechnique Committee.

At GeoSaskatoon 2023, very enthusiastic members attended the Women's Breakfast where 5 panelists had an EDI discussion animated by Dr Jean Hutchinson.

In March, two online webinars focussing on equity, diversity and inclusivity (EDI) were held. The authors and presentation titles are summarised below:

- International Women’s Day
  - Suzanne Lacasse, NGI, March 8, 2024: 12h-13hpm EST
  - Title: “A female engineer’s career in an Equity, Diversity and Inclusion (EDI) perspective”
- EDI Workshop / Presentation for YP Committee
  - Sumi Siddiqua, UBC University, March 28, 2024, 1pm PT
  - Title: Moving from Intent to Action: Proactively creating inclusive workplaces

The EDI task force, led by Sumi Siddiqua, submitted on February 1<sup>st</sup> 2024, a baseline report along with its first year annual report (2023). On the same date, the results of the first EDI survey were presented to the EC members and further discussed to ensure continuity in the membership data collection (in collaboration with Karma Link, i.e., at membership renewal). In addition, an EDI advisory committee, composed of Jean Hutchinson (Queens University), Mamadou Fall (University of Ottawa), Marolo Alfaro (University of Manitoba), was created in March 2024 to provide guidance on EDI matters for the Society.

A proposal by IKB coaching was obtained (May 29, 2023) and will be reviewed by the next administration to help integrate EDI principles within the Society. Policies and guidelines are still to be drafted, along with considerations for the Awards manual. Lastly, the task force is preparing, in addition to the WIG breakfast, a mentorship session for Women in the field of Geotechnique and an Indigenous Panel with audience interaction during the technical sessions at GeoMontreal 2024.

To celebrate International Women in Engineering Day (June 23<sup>rd</sup>), the CGS hosted an online webinar on June 20<sup>th</sup>, 2024, by Dr Jean Hutchinson, Professor at Queen’s University. Her presentation entitled “Designing inclusivity into GeoEngineering to support female Engineers” had great success. It was attended by 100 members and recorded to be posted on the CGS membership portal.

Following promising results from CSCE, minimal edits to the CGS website were made considering the possibility of upgrading it to a new Volunteer Association platform. The Membership Committee is working in collaboration with Karma Link to provide the EC with their recommendations.

#### **Section 4: Website**

Looking at the Google Analytics data between June 30<sup>th</sup>, 2023, and August 18<sup>th</sup>, 2024, the CGS website had about 31,000 users visit its pages, which represents a 1% decrease compared to the previous year. 6% were returning visitors and about 13% logging into the Member’s site. Some of the top pages visited are the Home page, Annual Overview and Conference, Calendar, as well as the Canadian Foundation Engineering Manual.

Visitors came from around the world; however, Canada, United States, and China represent 87% of all the users. 10% of all the users were French speaking.

Note that no data are available by gender nor by age this year, but considering the effervescences of activities from the YP committee and the EDI task force, it appears that the CGS membership growth goals remained aligned with the 2023-2024 EC objectives.

#### **Section 5: In person Event**

One of the goals of the membership committee was to provide in person networking opportunities for our members. In support of that, mentorships, YP and EDI (Equity Diversity Inclusion) workshops have been planned for **GeoMontreal (Sept 2024)**.

## **Section 6: Planned Initiatives 2024-2025**

The Membership Committee will focus on the following tasks for the months to come:

- Making recommendations to the EC regarding the iMIS platform
- Promoting the CGS Membership benefits to current and future members
- Introducing additional ideas/initiatives that will build membership in the society
- Designing and developing a member satisfaction process
- Supporting members with involvement and participation issues
- Surveying geo-professionals to understand where the CGS can provide more value
- Promoting volunteering opportunities

Significant projects in the forecast for next year specifically include:

- Updating of the CGS ADM Manual (Communication chapter) in collaboration with Karma-Link and the National office;
- Initiatives of the EDI Task Force led by Sumi Siddiqua;

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### ***Young Professional Representative Summary Report – Silvia Nobre***

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

Date of report: July 10, 2024

Prepared by: Silvia Nobre, Young Professional Representative (YP Rep)

End of Term: December 31st, 2024 (term began on January 1st, 2024)

#### **Section 2: Report on young member events**

- CGS Young Professionals Conference 2025: the organizing committee, led by Jenna Roadley and Jack Park, submitted a comprehensive conference proposal on January 31st, 2024. The conference will be held within a 4h drive of Winnipeg, the week before GeoManitoba.
- GeoSaskatoon 2023: A GeoWall competition was organized by students from the University of Saskatoon Student Chapter, with oversight from the CGS Young Professionals Committee. The competition was held on Sunday Oct. 1st, 2023, during the IceBreaker at GeoSaskatoon. Seven teams of students from around Canada participated in a friendly reinforced wall competition. The activity was extremely well-received by the students in attendance and by the audience in general, with many professionals gathering around the competition area during the testing/award period.
- GeoMontréal 2024: A Dam-building competition has been organized by students from the Montreal Student Chapter – CGS-Western Quebec Section. The conference venue does not have capacity to hold this competition, so it will be held at ETS on Sunday, Sept 15th, 2024. Students from around Canada will be invited to form teams to participate.

#### **Section 3: Website and communications**

- Events and awards managed by the YP Rep and the YP Committee were shared in the CGS E-news and the CGS LinkedIn page.
- Through the Young Professionals Committee, young professionals initiatives, conferences and opportunities were shared with the interested audience via a dedicated private LinkedIn group.
- One article written by the YP Rep was published in Canadian Géotechnique Magazine.

#### **Section 4: Finances**

- No finance is directly managed by the YP Rep. There are funds raised by the YP Committee to be used for Young Professional initiatives in a reserved fund managed by CGS Administration.

### **Section 5: Affiliations with other organizations**

- The CGS YP Rep connected with other YP representatives from other countries through an initiative led by the ISSMGE. A WhatsApp group has been added to this year's initiative, in an effort to strengthen the connections.

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

- The CGS Early Achievement award was awarded to Kshama Roy at GeoSaskatoon.
- The CGS submitted Kshama Roy's candidacy for the ISSMGE 2024 Bright Spark Lecture Award, and he was a successful candidate. He will receive the Award during the XVII Pan-American Conference on Soil Mechanics and Geotechnical Engineering (PANAMGEO 2024), in Chile.

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

- There was an effort from the YP Rep to open two new CGS Student Chapters. Thus far, no new student chapter has been added, but efforts continue to tentatively have one open before the end of 2024.
- The UBC and the Dalhousie student chapters have been revived. Waterloo, Kingston, and Ottawa are currently dormant. Efforts have been allocated and will continue in reviving these chapters and maintaining the others.
- The University of Manitoba and the University of Alberta student chapters were the most active chapters for the first half of 2024.
- The Montreal Student Chapter – CGS-Western Quebec Section has dedicated a significant amount of volunteer hours planning and preparing the student competition to be held during GeoMontréal 2024.

### **Section 8: Young Professionals Committee**

- The CGS Young Professionals Committee was created in January 2022, and similar to its first year, has remained very active and led many endeavours. A separate report dedicated to the committee's activities is included later in this report.

### **Section 9: Additional information or comments**

- Silvia Nobre assumed this position of Young Professionals Representative on January 1<sup>st</sup>, 2024, following Vincent Castonguay's interim as an acting YP Rep in lieu of Leanne McLaren. By assuming office, Silvia Nobre also became the Young Professionals Feature Editor of the Canadian Geotechnique Magazine and Vice-Chair of the Young Professionals Committee.

## SECTION REPORTS

### Sections Representative Annual Report – Lilianne Landry-Paré

A few years ago, the BOD targeted an increase in Section Directors interactions, to routinely communicate, have regular meetings and share information on ongoing events or upcoming activities as well as facilitate nationally coordinated events and publications. A total of 4 virtual sections meetings were held since the AGM in October 2023. It should be noted that no meetings are being held in the summertime and meetings should resume at the next AGM (GeoMontreal 2024). Great collaboration has been seen between sections, whether it was in terms of streaming online events, sharing tips on organizing successful events, or redistribution of funds generated by the CGS Annual Conference.

The majority of events hosted by local sections was in-person, with occasional hybrid or fully virtual events. Attendance is not systematically noted or reported by sections, however, based on the number of events that were organized by the sections, it appears that there was a slight decrease overall in both attendance and number of events. Two sections were unable to organize any event in 2023-2024, for various reasons including rebuilding of the committee.

During this past year (1 July 2023 to 30 June 2024), approximately 184 members of Section Committee Executives — all volunteers — arranged a total of about 117 events (technical and social) with approximately 4400 in attendance. These numbers do not include the attendance at GeoSaskatoon 2023. The CGS continues to serve the geotechnical community well at a local level and is encouraging involvement of students and other members.

Nine Sections have their own website to promote events, and eight also have a presence on LinkedIn and other social media. The majority of the smaller sections do not have any online presence.

*Table 1: CGS Section Activity Summary.*

Section	Membership						Number of Events					Total Events	Total Attendance	Sponsor Student?	Finance
	Executive		Local		CGS		CCLT	Technical Lectures	Workshop & Short Courses	Student Events	Social Events				
	Total	Students	Total	Students	Total	Students									
Vancouver Island	6	0	130	N/A	30	N/A	2	6		1		9	249	N	\$ 4,263.26
Vancouver*	18	1	441	59	N/A	N/A	2	8	2	2		14	560	Y	\$ 109,820.04
Prince George	4	0	25	N/A	15	N/A	1	0				1	17	N	\$ 8,131.27
Interior BC	6	0	N/A	N/A	N/A	N/A	1	2				3	N/A	?	\$ 12,044.72
Edmonton	17	2	296+103	43	54	N/A	2	6		3		11	708	Y	\$ 48,268
Calgary	17	1	360	N/A	N/A	N/A	2	7		1		10	525	Y	\$ 118,877.71
Saskatoon**	13	1	400	N/A	40	N/A	0	6	1		1	8	172	Y	\$ 142,702
Regina	8	0	10/8	N/A	20	N/A	0	4				6	116	N	Did not report
Manitoba	10	1	54	N/A	45	N/A	2	4				6	103	Y	\$ 50,509
Thunder Bay	1	0	N/A	N/A	N/A	N/A	0					0	0	N	\$ 0,00
Sudbury	1	0	N/A	N/A	N/A	N/A	1	1				2	160	N	\$ 0.00
London	12	0	330	N/A	20	N/A	0	6		1		7	Not provided	Y	\$ 2,230.50
Southern Ontario <sup>1</sup>	15	1	800	N/A	272	N/A	1	10	1	1	1	14	1270	N	\$ 84,800
Kingston	7	0	N/A	N/A	90	N/A	1			1		1	Not provided		\$ 10,000.00

Section	Membership						Number of Events					Total Events	Total Attendance	Sponsor Student?	Finance
	Executive		Local		CGS		CCLT	Technical Lectures	Workshop & Short Courses	Student Events	Social Events				
	Total	Students	Total	Students	Total	Students									
Ottawa	13	2	163	N/A	N/A	N/A	2	4		1		7	79	Y	\$ 27,625.58
L'ouest-du-Québec	9	0	500	N/A	N/A	N/A	2	4		1		7	500	Y	\$ 21,000
L'est-du-Québec	15	1	480	N/A	62/66	17/13	1	7		1		9	583	Y	\$ 87,198.37
New Brunswick	5	0	50	N/A	20	N/A	1					1	20	N	\$ 257.87
Nova Scotia	2	0	22	2	22	2	0					0	0	N	\$ 14,508.99
St. John's	5	0	20	N/A	12/20	N/A	0			1		1	5	Y	\$ 30,904.72
<b>2024 Totals</b>	<b>184</b>	<b>10</b>	<b>4192</b>	<b>102</b>	<b>674</b>	<b>19</b>	<b>21</b>	<b>68</b>	<b>4</b>	<b>7</b>	<b>2</b>	<b>117</b>	<b>4405</b>	<b>10</b>	<b>\$ 773,142.03</b>
<i>2023 Totals</i>	<i>169</i>	<i>9</i>	<i>3781</i>	<i>104</i>	<i>817</i>	<i>36</i>	<i>23</i>	<i>64</i>	<i>2</i>	<i>9</i>	<i>3</i>	<i>101</i>	<i>4899</i>	<i>9</i>	<i>\$ 507,026.57</i>

\*Attendance data not available for many events.

\*\*Does not include attendance for one lecture and does not include attendance at GeoSaskatoon.


#### Key takeaways from the submitted reports:

- The majority of larger sections have maintained or slightly increased their activity level in comparison to the 2022-2023 cycle. Hybrid events (in-person and virtual) have helped increase attendance at some events.
- Smaller sections are usually facing similar challenges, namely:
  - Limited amount of volunteers on the committee to help organize events;
  - Limited pool of speakers available for in-person events;
  - Technical community is dispersed around the main centre (e.g. Northern Ontario, New Brunswick, Vancouver Island)

This leads to a high difficulty in organizing events, with some sections having organised no events at all for the 2023-2024 cycle.

- The streaming of the Spring CCLT 2024 from Sudbury to other small sections across Canada was a success (around 195 online attendees). It is recommended that this becomes a tradition to have a small section hosting the CCLT and streaming it to other small sections.
- Some sections representatives have noticeably been absent from the majority, if not all, of the Sections meetings.
- A number of sections have reported during the year to be undergoing a rebuilding phase in their executive committees, leading to lesser or no activities being organised during the 2023-2024 cycle.
- The vast majority of events organized by CGS local sections consists of technical talks. Although most events include a networking component, it is generally not the main focus of sections.
- The organization of the CCLT is a recurring challenge for the sections. Attendance numbers have been very low in a few instances due to minimal advertising time. That being said, the CCLT has generally been well received, especially in smaller sections where getting speakers is challenging.



- Some sections are considering a higher engagement with their local university to increase participation both in attendance at events and in volunteering for the committee.
- The majority of sections are not incorporated, which means they do not have means to systematically collect membership information. Outreach to the local technical community is generally conducted using a mailing list, which acts as a membership list. Therefore the information is generally not differentiated (professionals vs students vs CGS members).
- It was beneficial to distribute a list of all local CGS members (active and inactive) to each individual Section Director last year contributed to an increase in membership numbers for the reports. This practice should continue.
- A summary of the Sections yearly reports can be found here:
  - **[[DOUBLE CLICK ON PUSHPIN to open the Excel file]]** 
- A summary of the comments provided in the Section reports is included as an Appendix herein.

## APPENDIX

Section	Membership	Finances	Additional Info or request to CGS National et al.
Vancouver Island			Beginning in April 2024 we began trials of a hybrid in-person and virtual format for our seminars with good success. Managing concerns that it could reduce in-person turnout (so far unfounded) with the benefit of increasing offerings to members who live on Vancouver Island outside of Victoria.
Vancouver	Membership fee will likely be increased from \$20 to \$30 as it has not changed for decades.	It was a successful program year for the VGS.	<p>The VGS Symposium took place on May 17, 2024, with the theme being dams, dikes, and levees. The registration was close to record (220) but there were more no-shows than usual. However, that is probably more a consequence of the event being on the Friday before Victoria Day long weekend.</p> <p>The VGS hosted a two-day short course on April 18/19 with Ross Boulanger and Katerina Ziotopoulou presenting on PM4Sand and PM4Silt. The turnout was good with only a couple of empty seats.</p> <p>Planning a geomorphology short course for mid-November.</p>
Prince George	We are small community that most engineers are part of.		<p>This was our first CCLT post COVID and we had a great attendance. Hoping to keep this momentum moving forward into this next year and we had a spring talk planned but needed to be cancelled and is rescheduled for the fall.</p> <p>Our Executive has been continuously dwindling due to departures and people moving away from Prince George. It has been very difficult to get the younger generation excited about taking over and taking on leadership. My tenure for replacement as chair is more than double overdue and I'm having difficulty keeping up with demand of both work, life, and this group. We are trying to inspire new interest in the community of engineering but are struggling.</p>

<b>Section</b>	<b>Membership</b>	<b>Finances</b>	<b>Additional Info or request to CGS National et al.</b>
Interior BC	Get additional presentations and speakers  Encourage local geotechnical community to provide more commitment to the group		
Edmonton		Balance does not include the \$20,000 in recallable loan with the CFG.	The GSE retained a lawyer to assist with drafting new Bylaws to replace our charter Bylaws from 1969 which were no longer in compliance with the Societies Act. These new Bylaws were accepted following a vote at our May AGM on the Special Resolution. The Executive Committee will change significantly after we hold our first elections under these new Bylaws in the 2025 AGM. The number of elected positions (Officers and Directors) will drop to six (6) with all other positions (which will be non-voting) filled at the direction of the Directors.
Calgary			The contact email for the CyGS on the CGS Section page be updated as follows: announce@cgygeosociety.org.
Saskatoon	Estimate of CGS members is based on samples size of survey we completed last year.		
Regina	Ongoing continuous effort to engage additional members from University of Regina and local industry.		Local interest from students/MIT in conference attendance has been low in previous years, but if there is adequate interest, the group would support one. Additional consideration is under evaluation to support students from the University of Saskatchewan in collaboration with the Saskatoon Geotechnical Society.  Three out of four winter Lunch and Learn were partially sponsored by industry partners to offset costs. Most of the cost was recovered in the three lunch and learn through sponsorship and ticket sales.  Ongoing correspondence and communication to establish a profit-sharing agreement between Saskatoon Geotechnical Society and Regina Geotechnical Society to strengthen financial and technical collaboration.  Encouraging student participation through the Building Foundations video competition. However, no competition has been organized this year due to a potential strike on the school board. The competition will resume next year. ( <a href="https://www.reginageotechnicalgroup.com/events/building-foundations-competition">https://www.reginageotechnicalgroup.com/events/building-foundations-competition</a> )

<b>Section</b>	<b>Membership</b>	<b>Finances</b>	<b>Additional Info or request to CGS National et al.</b>
Manitoba	<p>We have tried emailing our members list to encourage them to spread the word and join.</p> <p>We are involved with the student group at the University of Manitoba to attract new students.</p>	End of year balance will be reduced ~\$10k pending invoice for Golf Tournament and Neil Burgess Scholarship sponsorship.	<p>We have been less active locally due to difficulties in securing presentations by local members. We have advertised several events by National and other communities. We are continuously exploring options to increase attendance, including non-technical gatherings including sponsorship to have prepaid tickets.</p> <p>We hosted the Fall 2023 CCLT on October 20, 2023. We received good attendance, and the presentation was very well received by the attendees.</p> <p>We hosted the Spring 2024 CCLT on June 14, 2024. We only received 11 registrants. The presentation was well received by the attendees.</p> <p>Some of our local presentations (recordings) are posted on our CGS Manitoba website.</p> <p>We are actively working on planning for the Conference in 2025 with several Executive members involved as well.</p>
Thunder Bay	Not sure of existing or past members, no information was handed over and haven't had any time to run any events.		We need better infrastructure for managing past and current members, I was given the Section Director Position without any tools to build the platform.
Sudbury			Thank you for CCLT, we look forward to future national speaker such as Pooneh in winter 2025 or other!
London			
Southern Ontario	Note that as of June 30 2024, a number of the current Executive Members are retiring. Dino Vito, Rajib Dey, Budhi Kharel, Joe Heinisch, and Andrew Cushing will leave the Committee. Amir Poshnejad becomes Past Chair, Bill Li becomes Chair, Pedram MolKara becomes Vice Chair. New positions for the remaining Executives will be determined in September. Incoming Executive Committee Members are Atieh Shooshpasha, Hassan Ali, Trevor Dodd, and Jack Guo. Affiliations and Committee positions to follow	Our Executive Committee does believe that a portion of the Annual CGS Membership Fees paid by our Members should be shared with our Section. This would enable us to bring in higher profile Speakers for some of our Events while reducing what we must charge our local members to attend. At the present we are able to provide a limited number of discounted Student tickets to each Event. A contribution from the National CGS Fees would allow us to increase the number of Student tickets made available.	Our Executive Committee directed me to pursue with CGS National sharing of CGS Membership Revenues with our local Section. This was outlined in several previous Reports, but we have received no response to date
Kingston	Maintain an active distribution list of members; Attract graduate students by organising competitions such as the Annual M. Bozozuk Forum that i) highlight new research and allow for young researchers' networking, as	Our Section have solicited local companies (~\$200.00/year) with a view to covering the operating costs of our organisation, primarily with respect to i) hosting the CCLT and other Guest Speakers, as well as ii)	There seems to be a dire need for CGS in general to embrace and promote an environment of inclusiveness, respect and appreciation for what each one of its Sections has to (or can) offer. More importantly, CGS leadership can do more in terms of getting to know its own members. Targeted, uninformed, cold and ungracious communication by the CGS top leadership directly to a Section Director -

Section	Membership	Finances	Additional Info or request to CGS National et al.
	well as ii) expose students to CGS initiatives (such as the National Conference). Conduct joint activities with other organisations such as the Queen's-RMC GeoEngineering Centre.	sponsoring students to attend the annual CGS Conference.	which circumvented the known "hierarchy", i.e. by-passing the Section Representative on the CGS National Executive Committee (who should be naturally expected to reach out to the Section Director if there is a specific topic or concern for discussion)-should not be a normal and accepted practice within our community of volunteers/paid members/professionals. More importantly, attitudes that sound like "my way or the highway" should be identified and eliminated, especially from the CGS National Executive Committee, as they can stifle the enthusiasm of our members – and turn them (and others) away from CGS.
Ottawa			
L'ouest-du-Québec	All of the CGS Western Quebec Section events are free of charge for students	—	—
L'est-du-Québec	New local initiative started this year to increase membership numbers by recognizing local employers that reimburse membership dues to their employees. So far, three companies have joined the initiative.	—	—
New Brunswick	We have contacts with local universities (UNB, U de Moncton) and frequently enquire about Masters students and whether they are looking for sponsorship or are willing to give a dry-run presentation on their thesis.		<p>The fall lecture tour stop was a bit rushed and therefore the turnout wasn't quite as good as we had hoped. We always host at UNB in Fredericton and up until now, we didn't have to pay for a room.</p> <p>We did not get a spring lecture tour stop in 2024. We had planned to host our own local section presentation with UNB professor emeritus, Arun Valsangkar, regarding the changes in the CANFEM but his wife passed away unexpectedly and we've decided it best to give him some time.</p> <p>Andre Bom arranged for a virtual presentation of the spring tour from Sudbury which was well-received and I noted several NB geotechnical professionals on the Teams call.</p> <p>I've reached out to APEGNB, which up until recently, wouldn't take CGS lectures (unregistered) as PDHs at face value. This has since changed though I am unsure about other provinces and I was wondering if we could arrange this through CGS National (official attendance certificates). I see many other organizations doing it (ex: ACI) and some of us have licenses in the US where this might be required.</p> <p>Also spoke with APEGNB about sponsorship for lectures or other events. I need to follow up.</p>
Nova Scotia			
St. John's			

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**Vancouver Island BC (Victoria) Section  
Annual Report July 1, 2023 to June 30, 2024**

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

**Section 1: General**

Date of this report: June 25, 2024

Prepared by: Caleb Scott

Section Director: Caleb Scott

End of Section Director's Term: volunteers

Is there a link from your separate Section website to the CGS website? No, we don't have a website.

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair/CGS Section Director: Caleb Scott, Thurber Engineering

Program Director: Don Kaluza, WSP

Treasurer: Jeff Ferraby, BC Ferries

Registrar: Vicki Lindstrom, Thurber Engineering

Mid/North Island Rep: Jessica Dhami, Thurber Engineering

Member At Large: Shane Haxton, Ryzuk Geotechnical

**Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: 6

Total members (if possible, student and non-student members): Approximately 130 on our mailing list. We do not have a paid membership model.

Total CGS members (if possible student and non-student members): Approximately 30 based on 2022 list from CGS

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

Comments:

•

**Section 4: Section Finances (as of June 30, 2024)**

Account balance \$4263.26

Does your Section charge members an annual fee? No

If so, how much?

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

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

Is your Section planning on sponsoring a Student/MIT to attend GeoMontreal 2024 (Admin Manual App 12)? No

Comments:

•

<b>Section 5: Section Activities, July 1, 2023, to June 30, 2024</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
Oct 16, 2023	Prof. M. Hesham El Naggar, Ph.D., P.Eng., FCAE, FEIC, FASCE	Helical Piles: Efficient Foundation for Static, Dynamic and Seismic Applications	27
Nov 16, 2023	Jeff Fillipone, PhD, PGeo	Acid Rock Drainage (ARD) and Metal Leaching (ML) - Applications to Civil Design and Construction Projects	27
January 23, 2024	Bryan D. Watts, M.Sc, P.Eng. , P.Geo	Current Canadian Practice for Undrained Strength Characterization of Natural Cohesive Soils	38
February 29, 2024	Professor Jie Han, Ph.D., PE, F.ASCE	Geosynthetic-reinforced column-supported embankments: Bridging theory and practice	23
March 20, 2024	Andi Buechi, A.Sc.T.	Geobrug systems and case studies on Vancouver Island	24
April 18, 2024	Mark Byram, P.Eng., NACE CIP 3	Concrete Sulphate Exposure: Geotechnical and Structural Considerations	28
May 10, 2024	University of Victoria Graduate Students in Civil Engineering 1. Saeed Mahjoubi 2. Song Xue	1. Thermal Integrity Profiling of Cast-In-Place Piles Using Distributed Fiber Optic Sensors: Insights from Numerical Modeling 2. Review of methodologies for calculating embodied carbon in geosynthetic materials	18
May 23, 2024	Paolo Gazzarrini, FEC, P.Eng, M.ASCE, D.GE	Jet Grouting and Diaphragm Walls	19
June 10, 2024	Ellen M. Rathje, PH.D., P.E., F. ASCE, University of Texas at Austin	New Approaches for Evaluating the Seismic Performance of Slopes and Earth Dams SPEAKER:	45

**Section 6: Additional information or comments**

- Beginning in April 2024 we began trials of a hybrid in-person and virtual format for our seminars with good success. Managing concerns that it could reduce in-person turnout (so far unfounded) with the benefit of increasing offerings to members who live on Vancouver Island outside of Victoria.

**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 CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15?**

No

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**Southern BC (Vancouver) Section**  
**Annual Report July 1, 2023 to June 30, 2024**

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**Formal Section Name: Vancouver Geotechnical Society**

**Section 1: General**

Date of this report: 2024.07.11  
Prepared by: Marc C. Bossé  
Section Director: Vancouver  
End of Section Director's Term: December 31, may extend 1 year  
If your Section has a separate website, please provide address: [www.v-g-s.ca](http://www.v-g-s.ca)  
Youtube Channel: <https://www.youtube.com/channel/UCiiral6q4rmN3MChW6F0K4w>  
Is there a link from your separate Section website to the CGS website? Yes

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Intisar Ahmed (Thurber)  
Past Chair: Aran Thurairajah (WSP)  
Program Director: Tyler Southam (Tetra Tech), Thushara Jayasinghe (UBC)  
Secretary: Karina Stapleton (KCB), Daniel Alphonso (Tetra Tech)  
Treasurer: Mahdi Shahrabi (WSP)  
Web Manager: TJ Singh (Thurber), Muin Ahmed Alif (AECON)  
CGS Director: Marc Bossé (Thurber)  
VGS Student Rep: Simon Wong (UBC)  
Members-at-Large: Eryn Alexander (BGC), Andrea Lougheed (BGC), Emir Hot (Arya Engineering), Prajakta Jadhav (Ecora), Jared Whitehead (Kontur), Yoshi Tanaka (Kontur), Ali Jahanfar (Stantec)

CGS website will need to be updated in fall when new executive elected.

**Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: 18  
Total members (if possible, student and non-student members): 400 of which 59 are students and 14 life  
Total CGS members (if possible student and non-student members): Unknown  
Comments:  
Membership fee will likely be increased from \$20 to \$30 as it has not changed for decades.

**Section 4: Section Finances (as of June 30, 2024)**

Account balance \$109,820.04  
Does your Section charge members an annual fee? Yes  
If so, how much? \$20 to increase to \$30  
Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? Yes  
Is your Section aware of the CGS Lecture Supplement Program? Yes  
Is your Section planning on sponsoring a Student/MIT to attend GeoMontreal 2024 (Admin Manual App 12)? Yes

Comments:

- It was a successful program year for the VGS.

<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
2023.10.16	Hesham El Naggar (CCLT)	Helical Piles: Efficient Foundation for Static, Dynamic and Seismic Applications	n/a
2023.10.26	Joe O'Carroll	"Known knowns, known unknowns and unknown unknowns": Managing Geotechnical Risk using a combination of GBRs and Quantitative Risk Analysis.	n/a
2023.11.16	Tyler Southam	Observed Geo-Seismic Impacts of the February 6 the, 2023 Türkiye Earthquakes	n/a
2024.01.11	Duncan Wyllie	Tunneling in British Columbia – A retrospective from 1880 to 2023	~75
2024.01.25	Panel	Wings of Wisdom: Ignite your geotech career – a spicy bash for young professionals	~75
2024.02.01	Marcel Bielefeld	Rapid load testing: A useful alternative for foundation testing	~30
2024.02.08	Mike Jefferies	Validation of computational liquefaction: 1974 Tar Island slump	n/a
2024.03.14	Carrie-Ann Lau and Rick McKamey	Geohazards from the November 2021 Atmospheric River – Learnings from indigenous and western science	n/a
2024.04.03	Violeta Martin	UBC Georox Lecture – Why dam failures happen and what can we do about it	n/a
2024.04.10	Panel	Women in VGS: Inclusion in action	~75
2024.04.18/19	Ross Boulanger and Katerina Ziotopoulou	PM4Sand and PM4Silt: Constitutive Models for Nonlinear Dynamic Analysis (Short Course)	~45
2024.04.25	Andi Buechi	Debris flow mitigation with flexible barrier systems	~40
2024.05.17		VGS Symposium	220
2024.06.10	Ellen Rathje (CCLT)	New approaches for evaluating the seismic performance of slopes and earth dams	n/a

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

- The VGS Symposium took place on May 17, 2024, with the theme being dams, dikes, and levees. The registration was close to record (220) but there were more no-shows than usual. However, that is probably more a consequence of the event being on the Friday before Victoria Day long weekend.
- The VGS hosted a two-day short course on April 18/19 with Ross Boulanger and Katerina Ziotopoulou presenting on PM4Sand and PM4Silt. The turnout was good with only a couple of empty seats.
- Planning a geomorphology short course for mid-November.

#### **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 or the CGS National Office?**

No.

**Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15?**

Yes.



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**Northern BC (Prince George) Section  
Annual Report July 1, 2023 to June 30, 2024**

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

**Section 1: General**

Date of this report: July 11, 2024

Prepared by: Warren Lemky

Section Director: Warren Lemky

End of Section Director's Term: Way overdue with no willing successor

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, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Warren Lemky, Ministry of Transportation and Infrastructure

Past Chair/Treasurer: Dave McDougall, Thurber Engineering Ltd. (Previously GeoNorth)

Vice Chair: Vacant

Secretary: Mark Dresen, Thurber Engineering Ltd. (Previously GeoNorth)

**Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: 4

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

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

Does your Section do anything specific to attract new members? Can the National Office or newly formed Membership Committee help support your endeavours? No, we are small community that most engineers are part of.

Comments:

•

**Section 4: Section Finances (as of June 30, 2024)**

Account balance \$ 8,131.27

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 GeoMontreal 2024 (Admin Manual App 12)? No

Comments:

•

<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
Date	Speaker/Other	Topic/Subject	Attendance
Oct 17, 2023	Dr. H El Nagggar	Innovation in Wind Turbine Foundation Design	17

**Section 6: Additional information or comments**

- This was our first CCLT post COVID and we had a great attendance. Hoping to keep this momentum moving forward into this next year and we had a spring talk planned but needed to be cancelled and is rescheduled for the fall.

- Our Executive has been continuously dwindling due to departures and people moving away from Prince George. It has been very difficult to get the younger generation excited about taking over and taking on leadership. My tenure for replacement as chair is more than double overdue and I'm having difficulty keeping up with demand of both work, life, and this group. We are trying to inspire new interest in the community of engineering but are struggling.

**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 or the CGS National Office?**

**Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15?**

I am not planning to attend the BOD meeting or GeoMontreal

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***Interior BC (Kelowna) Section  
Annual Report July 1, 2023 to June 30, 2024***

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

**Section 1: General**

Date of this report: June 21, 2024

Prepared by: Mr Jeremy Block, P Eng

Committee Chair: Mr Kevin Bodnar, M Eng, P Eng, P E

End of Committee Chair's Term: December 31, 2026

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

2) List a few specific things that your committee will be working on, or wishes to accomplish, during the next year.

- Additional presentations and speakers

- Encourage local geotechnical community to provide more commitment to the group

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Mr Kevin Bodnar, M Eng, P Eng, P E (GeoPacific)

Past Chair: Dr Dwyne Tannant, PhD, P Eng (UBC Okanagan)

Vice Chair: Mr Dung Nguyen, P Eng (Atkins Realis)

Treasurer: Mr Stephen Renner, EIT (Ecora)

Secretary: Mr Jeremy Block, P Eng (Interior Testing Services Ltd)

Registrar: Mr Patrick Machibroda, P Eng (Ecora)

**Section 3: Is your committee affiliated with other organizations?**

**If yes:**

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

CAD Honour and Awards Committee – Dung Nguyen, P Eng

PEO – Mr Dung Nguyen, P Eng

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

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

**Comments:**

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**Section 4: Committee Finances (as of June 30, 2024)**

Account Balance (if applicable): \$12 044.72

Comments:

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**Section 5:**

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

**Are you attending GeoMontreal and the annual BOD meeting?** Mr Patrick Machibroda, P Eng is attending.

**Section 6:**

**Additional information or comments about activities this year:**

We had a total of 3 presentations, including the CCLT.

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***Northern Alberta & Territories (Edmonton) Section  
Annual Report July 1, 2023 to June 30, 2024***

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

**Section 1: General**

Date of this report: June 26, 2024  
Prepared by: Ken Froese  
Section Director: Ken Froese  
End of Section Director's Term: December 31, 2024  
If your Section has a separate website, please provide address: [www.geotechnical.ca](http://www.geotechnical.ca)  
Is there a link from your separate Section website to the CGS website? Yes

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

President: Michael Sampson, Klohn Crippen Berger  
Past President: Kevin Wallin, University of Alberta Zion Yua, Thurber Engineering Ltd.  
Vice President: Vincent Huang, TransMountain  
Secretary: Amelia Kulmatyski, Klohn Crippen Berger  
Program Chair: Colin Dreger, University of Alberta  
Treasurer: Krishna Dhungana, WSP  
Registrar: Don Lewycky, retired  
Website: Ken Froese, Thurber Engineering Ltd.  
Communications: Lulu Zhang (BGC)  
Student Representative: Priban Acharya, University of Alberta  
Member at Large: Murray Innes, Mobile Augers  
Member at Large: Jared Deloin, WSP  
Member at Large: Paul Lach, City of Edmonton  
Member at Large: Shelly Bratke, ARKK Engineering  
Member at Large: Dallas McGowan, Mikisew ConeTec  
Board Member (UoA): Albert Liu/Renato Macciotta, University of Alberta  
Board Member (NAIT): Kateri Adamczak/Jeffrey Chapin, NAIT  
CGS Section Director: Ken Froese, Thurber Engineering Ltd.

**Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: 17  
 Total members (if possible, student and non-student members): 296: including 146 regular, 54 CGS, 43 Students, 25 Award winners (free membership), and 28 retirees (free membership)  
 Total CGS members (if possible student and non-student members): 54  
 Comments:

- 

**Section 4: Section Finances (as of June 30, 2024)**

Account balance \$ \$48,268  
 Does your Section charge members an annual fee? Yes  
 If so, how much? \$15, \$10 for CGS members, \$5 students, and \$0 for Stan Thomson Award winners, retirees, and unemployed  
 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 GeoMontreal 2024 (Admin Manual App 12)? Yes

Comments:

- Balance does not include the \$20,000 recallable loan with the CFG.

<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
Date	Speaker/Other	Topic/Subject	Attendance
Sep. 28, 2023	Annual Student Mixer: Reza Mousapour & Naveel Islam	Condition Monitoring of Railway Track Substructure using Continuous Vibration-based Measurements by an Instrumented Passing Vehicle & Centrifuge Modeling for Cyclic Axial Performance of Helix Piles in Sand	53
Oct. 18 2023	Dr. Hesham El Naggar	Geo-Structural Nonlinear Analysis for Performance Based Design of Piles and Extended Shafts	52
Nov. 8, 2023	Dr. Derek Martin	ISRM 9th Müller Award Lecture: Stress path, stiffness and mobilized strength of rock masses encountered near surface structures	57
Nov. 30, 2023	Dr. Nicholas Beier	2022 CGS Colloquium Lecture: Towards Improved Management and Closure of Mine Waste Structures	40
Jan. 25, 2024	Dr. Dennis Becker	Fundamentals of Geotechnique and Reliability: To Support Risk-Informed Geotechnical Design	71
Feb. 26, 2024	Joint with UACGS Student Chapter	19 <sup>th</sup> Annual U of A Applied Geotechnical Reinforced Wall Design Competition	62
Mar. 25, 2024	Joint with NAIT: Byron Mazur	Former Westwood Transit Garage: Preparing a Brownfield Site for Future Development	23
Apr. 3, 2024	Dr. Kevin Biggar	Forensic Geotechnical Engineering – Some Insights into Geotechnical Poor Performance and Potential Consequences	49
Apr. 25, 2024	Joint with UACGS Student Chapter: Dr. Norbert Morgenstern	From Certainty to Uncertainty in 64 Years	253
May 16, 2024	AGM: Andy Small	What Could Tailings Facility Engineering Look Like in 2030?	64
Jun. 12, 2024	Spring 2024 CCLT	Regional-Scale Seismic Landslide Assessments for Distributed Infrastructure	37

## Section 6: Additional information or comments

- The GSE retained a lawyer to assist with drafting new Bylaws to replace our charter Bylaws from 1969 which were no longer in compliance with the Societies Act. These new Bylaws were accepted following a vote at our May AGM on the Special Resolution. The Executive Committee will change significantly after we hold our first elections under these new Bylaws in the 2025 AGM. The number of elected positions (Officers and Directors) will drop to six (6) with all other positions (which will be non-voting) filled at the direction of the Directors.

## 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 or the CGS National Office?

Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15?

Yes

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**Southern Alberta (Calgary) Section  
Annual Report July 1, 2023 to June 30, 2024**

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**Formal Section Name: Southern Alberta**

### Section 1: General

Date of this report: June 30, 2024

Prepared by: Jack Park and Susanne Ouellet

Section Director: Lilianne Landry-Pare

End of Section Director's Term: May 2025

If your Section has a separate website, please provide the address: [www.cgygeosociety.org](http://www.cgygeosociety.org)

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

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

2024-2025 CyGS Executive Committee			
Position	Name	Affiliation	Email
Chair	Jack Park	BGC Engineering	<a href="mailto:JPark@bgcengineering.ca">JPark@bgcengineering.ca</a>
Co-Chair	Lilianne Landry-Paré	Hatch	<a href="mailto:lilianne.landry-pare@hatch.com">lilianne.landry-pare@hatch.com</a>
Past Chair	Susanne Ouellet	BGC Engineering	<a href="mailto:SOuellet@bgcengineering.ca">SOuellet@bgcengineering.ca</a>
Treasurer	Jarret MacDonald	Klohn Crippen Berger	<a href="mailto:JMacdonald@klohn.com">JMacdonald@klohn.com</a>
Event Coordinator - In-Person	Scott Riege	Klohn Crippen Berger	<a href="mailto:SRiege@klohn.com">SRiege@klohn.com</a>
Event Coordinator - Online	Kaden Sadownyk	CNRL	<a href="mailto:sadownykkaden@gmail.com">sadownykkaden@gmail.com</a>
Announcement Coordinator	Ward Algar	Klohn Crippen Berger	<a href="mailto:WAlgar@klohn.com">WAlgar@klohn.com</a>
Webmaster	Alex Lowe	Terrafix Geosynthetics Inc.	<a href="mailto:alex.lowe@terrafixgeo.com">alex.lowe@terrafixgeo.com</a>
Social Media Manager	Zaran Patel	Stantec	<a href="mailto:zarankumar.patel@stantec.com">zarankumar.patel@stantec.com</a>
Secretary	Erin Stewart	BGC Engineering	<a href="mailto:ErStewart@bgcengineering.ca">ErStewart@bgcengineering.ca</a>

<b>2024-2025 CyGS Executive Committee</b>			
Student Representative	Amin Hasani Motlagh	University of Calgary	<a href="mailto:amin.hasanimotlagh@uclagary.ca">amin.hasanimotlagh@uclagary.ca</a>
Southern Alberta Region Director	Lilianne Landry-Paré	Hatch	<a href="mailto:lilianne.landry-pare@hatch.com">lilianne.landry-pare@hatch.com</a>
Member-at-Large	Daniel G. Bertrand	Klohn Crippen Berger	<a href="mailto:dbertrand@klohn.com">dbertrand@klohn.com</a>
Member-at-Large	Rocky Cho	Clifton	<a href="mailto:rocky_cho@clifton.ca">rocky_cho@clifton.ca</a>
Member-at-Large	Maulik Upadhyay	Maccaferri Canada Ltd.	<a href="mailto:m.upadhyay@maccaferri.com">m.upadhyay@maccaferri.com</a>
Member-at-Large	Evan Sieben	BGC Engineering	<a href="mailto:ESieben@bgcengineering.ca">ESieben@bgcengineering.ca</a>
Member-at-Large	Aditi Khurana	Stantec	<a href="mailto:aditi.khurana@stantec.com">aditi.khurana@stantec.com</a>

### Section 3: Number of Section Members (as of June 30, 2024)

Executive Committee Members: 17

Total members (if possible, student and non-student members): 360. CyGS does not collect membership fees and the total number of members reflects subscribers that have active email addresses through our newsletter platform (Mailchimp).

Total CGS members (if possible student and non-student members): Unknown. The CyGS does not collect information on active CGS membership.

### Section 4: Section Finances (as of June 30, 2024)

Account balance \$118,877.71

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 GeoMontreal 2024 (Admin Manual App 12)? Yes

Comments:

- The above bank account balance includes \$1,282.36 which is held in trust and was intended to be used for the ISSMGE 2020 design challenge. CyGS is waiting for instructions on how to dispose of this amount.
- The local section has paid back to CGS the \$20k in seed money received to help with the initial planning of the GeoCalgary Geotechnical conference.
- The Local Organizing Committee of GeoCalgary 2022 is reviewing the event finances and preparing the final conference report. The profits received will be included in the next mid-report.

### Section 5: Section Activities, July 1, 2023 to June 30, 2024:

- Six (6) in-person presentations
- One (1) virtual presentation
- Three (3) special events (i.e. CCLT, Student Industry Mixer)

<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
Date	Speaker/Other	Topic/Subject	Attendance
September 22, 2023	Marco Arrieta	Half Century of Shear Strength in Granular Materials	38
October 19, 2023	Dr. El Naggat (CCLT)	Helical Piles: Efficient Foundation for Static, Dynamic, and Seismic Applications	45
November 22, 2023	Heather Brooks	Permafrost in Complex Topography: The need for and utility of 3D thermal modelling at Polychrome Pass, Denali National Park	46

<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
December 6, 2023	Doug Dewar & Nicki Robertson (Virtual)	Modern Pipelines and Landslide Hazards: An Operator's Perspective	135
January 24, 2024	Caius Priscu	Can Tailings Dam Safety Management Professionals Learn from the Maritime Industry Failures? – Heck Yes!	61
March 6, 2024	Jeanine Englebrecht	Echoes from space: measuring millimetres on Earth from 700 km above	39
March 21, 2024	Student Industry Mixer: <ul style="list-style-type: none"> <li>● Sam Proskin (speaker &amp; panelist)</li> <li>● Zakieh Mohammadi (speaker &amp; panelist)</li> <li>● Justyna Kos-Fairless (panelist)</li> </ul> Lilianne Landry-Pare (moderator)"	(Zakieh) Toward a Framework for Evaluating Thaw Settlement in Permafrost Regions (Sam) Developing New Areas of Professional Practice	44
April 24, 2024	Mike O'Kane	Application of Unsaturated Soil Mechanics in the Mining Industry...and Other Gardening Tips	34
May 14, 2024	Andy Small	What Could Tailings Facility Engineering Look Like in 2023?	48
June 13, 2024	Ellen Rathje (CCLT)	New Approaches for Evaluating the Seismic Performance of Slopes & Earth Dams	35

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

- The contact email for the CyGS on the CGS Section page is incorrect ([enquiry@cgygeosociety.org](mailto:enquiry@cgygeosociety.org)) and should be updated as follows: [announce@cgygeosociety.org](mailto:announce@cgygeosociety.org).

#### **Section 7:**

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

None

**Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15?**

Yes, Lilianne will be attending the Board Meeting and the annual conference.

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**Northern Saskatchewan (Saskatoon) Section  
Annual Report July 1, 2023 to June 30, 2024**

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**Formal Section Name: Saskatoon Geotechnical Group (SGG)**

**Section 1: General**

Date of this report: July 16, 2024

Prepared by: Adam Leik

Section Director: Adam Leik

End of Section Director's Term: Unknown at this time

If your Section has a separate website, please provide address: <https://www.saskatoongeotech.com/>

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

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Kyle Bruce

Past Chair: Vanessa Heilman

Vice Chair: Nevin Cross

Treasurer: Dallin Ferbey

Communications / Media: Ivanna Montani

Short Course Coordinator: Sachin Patel

University Student Liaison: Ian Adams

**Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: 13

Total members (if possible, student and non-student members): ~400

Total CGS members (if possible student and non-student members): ~40

Comments:

- Estimate of CGS members is based on samples size of survey we completed last year.

**Section 4: Section Finances (as of June 30, 2024)**

Account balance \$ \$142,702

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 GeoMontreal 2024 (Admin Manual App 12)? Yes

**Comments:**

- Finances appear to be healthy. Expecting increase in cash with 2023 GeoSaskatoon conference.

<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
Early October	GeoSaskatoon	CGS National Conference	>700
November 2	Ian Fleming	Field scale testing of geosynthetics	30
November 16	9mile Social Event	Social event / brewery tour	~25
December 12	Kyle Bryce	Highway landslide repair	32



<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
January 17	Don Proudfoot	Mitigating Landslide on Hwy 40 (A Toolbox of Solutions)	
February 27	Jon Osback	The Borden Bridges – Remedial Design (and Other Issues Encountered) for a Large Scale Deep Seated Landslide	28
March 20	Jeffery MacLean	Tailings Dam Breach Assessment	27
May 8-9	Wayne Savigny	Short Course on Geomorphology	30

**Section 6: Additional information or comments**

- N/A

**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 or the CGS National Office? No.**

**Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15? Yes.**

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***Southern Saskatchewan (Regina) Section  
Annual Report July 1, 2023 to June 30, 2024***

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

**Section 1: General**

Date of this report: July 7, 2024

Prepared by: Rashed Chowdhury

Section Director: Rashed Chowdhury                      Clifton Engineering Group

End of Section Director's Term: December 2025

If your Section has a separate website, please provide address: [www.reginageotechnicalgroup.com](http://www.reginageotechnicalgroup.com)

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

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair:	Jenae Nixon	Water Security Agency
Director of Finance:	Kim Doran	AtkinsRéalis
Director of Communications:	Ahmed Bukhury	AtkinsRéalis
Program Director:	Jobie Taylor	Clifton Engineering Group
Outreach Director:	Jenna Backer	Ministry of Highways and Infrastructure
Member-at-large:	Kelly Lowry	Clifton Engineering Group
Member-at-large:	Dinusha Ranasingha	Water Security Agency

**Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: 8

Total members (if possible, student and non-student members): 8

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

Comments:

- Ongoing continuous effort to engage additional members from University of Regina and local industry

**Section 4: Section Finances (as of June 30, 2024)**

Account balance \$

Does your Section charge members an annual fee? No

If so, how much?

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

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

Is your Section planning on sponsoring a Student/MIT to attend GeoMontreal 2024 (Admin Manual App 12)? No

Comments:

- Local interest from students/MIT in conference attendance has been low in previous years, but if there is adequate interest, the group would support one. Additional consideration is under evaluation to support students from the University of Saskatchewan in collaboration with the Saskatoon Geotechnical Society.
- Three out of four winter Lunch and Learn were partially sponsored by industry partners to offset costs. Most of the cost was recovered in the three lunch and learn through sponsorship and ticket sales.
- Ongoing correspondence and communication to establish a profit-sharing agreement between Saskatoon Geotechnical Society and Regina Geotechnical Society to strengthen financial and technical collaboration.
- Encouraging student participation through the Building Foundations video competition. However, no competition has been organized this year due to a potential strike on the school board. The competition will resume next year. (<https://www.reginageotechnicalgroup.com/events/building-foundations-competition>)

<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
23/01/24	Kevin Syrnick	Harrington Mews Sinkhole Response	40
28/02/24	Jon Osback	The Borden Bridges – Remedial Design (and Other Issues Encountered) for a Large Scale Deep Seated Landslide	25
21/03/24	Ian Flemming and Adam Hammerlindl	Full-Scale Physical Modelling of Soil-Geosynthetic Systems	25
16/04/24	Amit Garewal and Daniel Ferg	Case Study – Stabilizing the Royal View Dr Historic Landslide in Kelowna	26

**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 or the CGS National Office?**

No

**Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15?**

Yes

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**Manitoba (Winnipeg) Section**  
**Annual Report July 1, 2023 to June 30, 2024**

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**Formal Section Name: CGS Manitoba**

**Section 1: General**

Date of this report: June 28, 2024  
Prepared by: David Kurz  
Section Director: David Kurz  
End of Section Director's Term: December 2023 (Staying on due to no replacement; actively searching.)

If your Section has a separate website, please provide address: <https://www.cgsmanitoba.ca/>

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

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Arjan Jianfar (Hatch)  
Secretary: Colton Wooster (AECOM)  
Treasurer: Kirby Pogue (Hatch)  
Program Director/YP Liaison: Jenna Roadley (Seequent)  
Event Coordinator: Silvia J.F.N. Araujo (Dillon Consulting)  
Special Initiative Coordinator: Matt Klymochko (Trek Geotechnical)  
Webmaster: Ravinder Khakh (Stantec)  
Special Events (Golf): Kale Robinson (KGS Group)  
Sponsorship Advisor: David Anderson (KGS Group)

**Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: 10 (including Section Director)

Total members (if possible, student and non-student members): 68. I don't have updated student numbers at the moment.

Total CGS members (if possible, student and non-student members): 68 combined total on the list.  
45 members renewed for 2024 at last check.

Comments:

- We have tried emailing our members list to encourage them to spread the word and join.
- We are involved with the student group at the University of Manitoba to attract new students.

**Section 4: Section Finances (as of June 30, 2024)**

Account balance \$ \$50,509\*

\*(will be reduced ~\$10k pending invoice for Golf Tournament and Neil Burgess Scholarship sponsorship.)

Does your Section charge members an annual fee? No, but we have local company sponsorships to help fund events.

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 GeoMontreal 2024 (Admin Manual App 12)? Yes

Comments: N/A

<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
October 20	Dr. Hesham El Naggar	Helical Piles: Efficient Foundation for Static, Dynamic, and Seismic Applications.	25
November 3	Joash Adajar Sepehr Chalajour	Preliminary Results from Field Monitoring of Frost Heave Effects on Steel H-piles Instrumentation and Associated Monitoring Program to Measure Drag Force on Driven H-Piles Subjected to Negative Skin Friction	17
January 25	Mr. Ken Skafffeld	Introduction to the 5 <sup>th</sup> Edition of the Canadian Foundation Engineering Manual	34
March 27	Dr. Lukas Arenson	Geohazard and Geoasset Management in Cold Regions	36
April 24	Mr. Amit Garewal and Mr. Dan Ferg	Calf Robe Bridge – Abutment Stabilization	22
June 14	Dr. Ellen Rathje	New Approach to Evaluating the Seismic Performance of Slopes and Earth Dams	11

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

- We have been less active locally due to difficulties in securing presentations by local members. We have advertised several events by National and other communities. We are continuously exploring options to increase attendance, including non-technical gatherings including sponsorship to have prepaid tickets.
- We hosted the Fall 2023 CCLT on October 20, 2023. We received good attendance, and the presentation was very well received by the attendees.
- We hosted the Spring 2024 CCLT on June 14, 2024. We only received 11 registrants. The presentation was well received by the attendees.
- Some of our local presentations (recordings) are posted on our CGS Manitoba website.
- We are actively working on planning for the Conference in 2025 with several Executive members involved as well.

### **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 or the CGS National Office?**

Not currently.

**Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15?**

Yes

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**Northwestern Ontario (Thunder Bay) Section  
Annual Report July 1, 2023 to June 30, 2024**

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

**Section 1: General**

Date of this report: August 13, 2024

Prepared by: Colin Hunter

Section Director: Colin Hunter

End of Section Director's Term: X

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

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

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: N/A

Past Chair: N/A

Vice Chair: N/A

Secretary: N/A

**Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: 1

Total members (if possible, student and non-student members): 0

Total CGS members (if possible student and non-student members): 0

Comments:

- Not sure of existing or past members, no information was handed over and haven't had any time to run any events.

**Section 4: Section Finances (as of June 30, 2024)**

Account balance \$0

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)? No

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

Is your Section planning on sponsoring a Student/MIT to attend GeoMontreal 2024 (Admin Manual App 12)? No

Comments:

- 

<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>

**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 or the CGS National Office?**

We need better infrastructure for managing past and current members, I was given the Section Director Position without any tools to build the platform.

**Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15?**

No

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***Northeastern Ontario (Sudbury) Section  
Annual Report July 1, 2023 to June 30, 2024***

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**Formal Section Name: Sudbury-North Bay / Northeast Ontario**

### Section 1: General

Date of this report: June 18/24

Prepared by: Andre Bom

Section Director: Andre Bom

End of Section Director's Term: when a volunteer takes it over

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

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

### Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)

Chair: Andre Bom

Past Chair:

Vice Chair:

Secretary:

(Add others as necessary)

### Section 3: Number of Section Members (as of June 30, 2024)

Executive Committee Members:

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

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

Comments:

•

### Section 4: Section Finances (as of June 30, 2024)

Account balance \$

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 GeoMontreal 2024 (Admin Manual App 12)? Yes/No

Comments:

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<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
Feb 7	Roctest	Fiber Optic Distributed sensors for Mining applications	10 (1st time in person in 4 yrs; 35 online!)
May 24	Dr. Ellen Rathje	CCLT- Learning from Earthquakes and Other Natural Hazards: Past, Present, and Future	20 (95 online across Country!)

**Section 6: Additional information or comments**

- Thank you for CCLT, we look forward to future national speaker such as Pooneh in winter 2025 or other!

**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 or the CGS National Office?**

Continued support of smaller sections

**Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15?**

Yes

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***Southwestern Ontario (London) Section  
Annual Report July 1, 2023 to June 30, 2024***

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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: July 11, 2024

Prepared by: Philips Aby

Section Director: Philips Aby

End of Section Director's Term: 2025

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

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

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Khalid Backtash MTO

Past Chair: Julian N. Novick, [Wastell Homes](#)

Vice Chair: Paul Choma, City of London

Secretary: Heidi Vanheule, Dillon Consulting Ltd.

Treasurer: Grant Strachan, AECO; John Gawley, Dillon Consulting Ltd.

Communications: Azmi Hammoud, Professor at Fanshawe College.

CGS Section Director: Philips Aby, EXP

Marketing: Philips Aby, EXP; Khalid Backtash MTO

City of London Representative: Paul Choma, City of London

MTO Representative: Khalid Backtash MTO

Western Faculty Representative: Mike Bartlett and Jon Southen, Western University

**Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: 12

Total members (if possible, student and non-student members): Aprox. 330 including CSCE

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

Comments:

- 

**Section 4: Section Finances (as of June 30, 2024)**

Account balance \$ 2230.50

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 GeoMontreal 2024 (Admin Manual App 12)? Yes

Comments:

**C. 2023/24 Program - Theme: Climate Change**

<b>Date</b>	<b>Presenter / Topic</b>
September 21, 2023	Tour: WindEEE Dome or Fanshawe Dam
October 19, 2023	Dr. Greg Kopp: Northern Tornadoes Project / WindEEE Dome Research Projects
November 16, 2023	AECOM: Victoria Street Bridge
January 18, 2024	TBD: Timber Structures
February 15, 2024	Tony Wagner: Falling Weight Deflectometer
March 21, 2024	Fourth Year Students: Capstone Design Competition Winners
April 18, 2024	TBD: City of London Climate Emergency Action Plan

Future activities under planning for September 2024 to March 2024.

**Section 6: Additional information or comments**

None

**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 or the CGS National Office? No**

**Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15? No**



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**Southern Ontario (Toronto) Section  
Annual Report July 1, 2023 to June 30, 2024**

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**Formal Section Name: Southern Ontario Section – Toronto Group**

**Section 1: General**

Date of this report: 7 August 2023

Prepared by: Charles G. Crans P. Eng

Section Director: Charles G. Crans P. Eng

End of Section Director's Term: 31 December 2024

If your Section has a separate website, please provide address: New Website is under development.

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

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Amir Poshnejad, EllisDon Corporation

Past Chair: Dino Vito, EBS Geostructural

Vice Chair: Bill Li, Keller – North America

Regional Director: Charles Crans, CG Crans Geostructural Project Services

Secretary: Pedram Molkara, Jacobs Engineering

Treasurer: Budhi Kharel, Ontario Ministry of Transportation (MTO)

Communications: Rajib Dey, WSP

Membership & Awards: Andrew Cushing, ARUP Canada Inc.

Student Liason: Mohammadamin Jafari, University of Toronto

Sponsorship: Joe Heinisch, EBS Geostructural

Outreach & Tech: Jeff Lam, Geokon

Women in CGS Lead: Daniela Xavier, InGeo Engineering

Event Co-ordinator & Registration: Reza Mahmoudipour, Englobe Corp.

Event Co-ordinator & Registration: Vivian Weihong Li, Metrolinx

Event Co-ordinator & Registration: Alex Szot, GeoSolv Design-Build

Note that as of June 30, 2024, a number of the current Executive Members are retiring. Dino Vito, Rajib Dey, Budhi Kharel, Joe Heinisch, and Andrew Cushing will leave the Committee. Amir Poshnejad becomes Past Chair, Bill Li becomes Chair, Pedram Molkara becomes Vice Chair. New positions for the remaining Executives will be determined in September. Incoming Executive Committee Members are Atieh Shooshpasha, Hassan Ali, Trevor Dodd, and Jack Guo. Affiliations and Committee positions to follow.

**Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: 15

Total members (if possible, student and non-student members): Our current e-mail List has over 800 names. This would include Students and CGS Members.

Total CGS members (if possible, student and non-student members): The most recent List we received from CGS National shows 272 CGS Members in the Southern Ontario Section – Toronto Group

**Section 4: Section Finances (as of June 30, 2024)**

Account balance \$ 84,800.00 (Approximately)

Does your Section charge members an annual fee? No, but this is under consideration

If so, how much?

Is your Section aware that CGS financial assistance is available to Sections (Admin Manual App 4)? No, but Our Executive Committee does believe that a portion of the Annual CGS Membership Fees paid by our Members should be shared with our Section. This would enable us to bring in higher profile Speakers for some of our Events while reducing what we must charge our local members to attend. At the present we are able to provide a limited number of discounted Student tickets to each Event. A contribution from the National CGS Fees would allow us to increase the number of Student tickets made available.

Is your Section aware of the CGS Lecture Supplement Program? No, but we would be interested in learning about the Program

Is your Section planning on sponsoring a Student/MIT to attend GeoMontreal 2024 (Admin Manual App 12)? Yes, the winner of our Graduate Student Competition will have their Conference Fees paid and will also receive some expense funding.

<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
11 Aug 2023	N/A	14 th Annual CGS-SOS Golf Tournament	90
14 Sept 2023	Cone-Tec	1 Day Workshop-Geotechnical Site Characterization	120
26 Oct 2023	Dr. Hesham El-Naggar	CCLT Geo-structural Non-Linear Analysis for Performance Based Design of Piles & Extended Shafts	110
22 Nov 2023	Dr. Felipe Ochoa	Tailings Sands Liquefaction Mitigation - Nanomaterials	110
22 Nov 2023	Dawn Tattle P.Eng.	Women in CGS Presentation – From Dirt to Dollars	
13 Dec 2023	Dr. Pooneh Maghoul	Role of Microbes in Climate Change	170
24 Jan 2024	Graduate Student Presenters	Annual CGS-SOS Graduate Student Competition	50
28 Feb 2024	Juan-CarlosCarvajal (Thurber) & Tony Snagiuliano (MTO)	Seismic Embankment-Abutment-Structure Interaction of Integral Abutment Bridges	90
28 Feb 2024	Susan Motkaluk	Women in CGS Presentation	
18 April 2024	Dr. Hamed Layssi & Dr. Farid Moradi (FPrimeC)	Non-Destructive Evaluation (NDE) of New & Existing Foundations	90
18 April 2024	Courtney Palleske	Women in CGS Presentation: Engineering Professional Practice Around the World	
22 May 2024	Dr. Jinyuan Liu	Geotechnical Properties of Glacial Deposits	130
26 Jun 2024	Dr. Peijun Guo	Applied Geotechnics - Beyond Traditional Geotechnical Engineering	170
26 Jun 2024	Emma Hamilton (Metrolinx)	Women in CGS Presentation	

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

- At our 26 June Event (Annual Dinner & Business Meeting) The 2024 CGS-SOS Award was presented to Stan Gonsalves, Chairman of EXP Ltd.

#### **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?**

Per Section 4 above, our Executive Committee directed me to pursue with CGS National sharing of CGS Membership Revenues with our local Section. This was outlined on our Mid Year Report, but we have received no response to date.

Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15? Yes

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**Southeastern Ontario (Kingston) Section  
Annual Report July 1, 2023 to June 30, 2024**

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**Section 1: General**

**Formal Section Name: Kingston Section**

Date of report: 31 July 2024

Prepared by: E. Maria Skordaki

Section Director: E. Maria Skordaki (until a new Director is selected) 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 2023

If the Section has a separate website...

...please provide address: Facebook:

...is there a link to the CGS website?

**Section 2: Current (Jan 1 - Dec 31, 2024) 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 Faculty)

Past Chair: Mr. Dylan Hill, Malroz Engineering

Vice-Chair: N/A

Treasurer: Maria Skordaki and David Hodgson (Malroz Engineering Inc.)

Members at Large: Timothy Packulak, Queen's University (until June 2024) - Dave Gauthier, BGC Engineering (until May 2024; was replaced by Dr. Brad Forbes, BGC Engineering) - Martin Burger, Groundwork Engineering- Dr. Nicholas Vlachopoulos, Royal Military College of Canada,

**Section 3: Number of Section Members (as of June 30, 2024)**

Executive members: 6 members

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): ~90 members

Comments (point form)

- Maintain an active distribution list of members; and,
- Attract graduate students by organising competitions such as the Annual M. Bozozuk Forum that i) highlight new research and allow for young researchers' networking, as well as ii) expose students to CGS initiatives (such as the National Conference).
- Conduct joint activities with other organisations such as the Queen's-RMC GeoEngineering Centre.

**Section 4. Finances**

As of (date): May 2024

Balance: \$ ~10,000.00

Year-End Balance (for Annual Report only): \$ ~10,000.00

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 have always welcomed the CCLT venues.

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 GeoMontreal 2024 (Admin Manual App 12)? Yes, we are sponsoring the 2024 Annual M. Bozozuk graduate student competition winner, Capt. Chelsey Guo  
 Comments (point form)

- Our Section have solicited local companies (~\$200.00/year) with a view to covering the operating costs of our organisation, primarily with respect to i) hosting the CCLT and other Guest Speakers, as well as ii) sponsoring students to attend the annual CGS Conference.
- Our current/past corporate sponsors have included:
  - Caduceon Environmental Laboratories
  - Cunningham Swan Carty Little & Bonham LLP
  - DBA Engineering
  - Genivar Inc
  - Golder Associates
  - Groundwork Engineering Limited
  - Houle Chevrier
  - Insitu Remediation Services
  - Inspec Sol Inc.
  - MALROZ Engineering Inc.
  - Maxxam Analytics Inc
  - McIntosh Perry Consulting Engineers Ltd
  - Mine Design Engineering
  - Paracel Laboratories Ltd
  - Vertex Environmental Inc
  - Viner, Kennedy, Frederick, Allan & Tobias LLP
  - WESA Envir-Eau
  - Withey Addison LLP
  - Willms and Shier Environmental Lawyers LLP
  - XCG Consultants Ltd

## Section 5. Activities

Date	Speaker/Other	Topic/Subject	Attendance
Throughout the year	CGS Section Directors Meetings (organised by Wesley Saunders, Lilianne Landry-Pare)		E. Maria Skordaki (Section Director)
Throughout the year	CGS EDI Task Force Meetings		E. Maria Skordaki (Section Director)
Feb 7 <sup>th</sup> 2024	CGS Kingston Committee meeting	Selection process for new Director; sponsorships	6

Date	Speaker/Other	Topic/Subject	Attendance
March 28 <sup>th</sup> 2024	<p>The 48<sup>th</sup> Annual Michael Bozozuk Student Forum (on-site, by OGG)*</p> <p>-CGS Kingston organised the Queen's-RMC students' participation (announcements of the student forum to relevant departments &amp; the RMC-Queen's community, collection of students' information/liasing with OGG).</p> <p>*The 47<sup>th</sup> Annual Michael Bozozuk Student Forum was organised by CGS Kingston Section and was held virtually. This annual event has been held in Ottawa and Kingston on alternating years since 1976.</p>	<p>Annual Student Competition between University of Ottawa, Carleton University, Queen's University and the Royal Military College of Canada.</p> <p><u>Winner:</u> Capt Chelsey Guo (under the supervision of Dr. Nicholas Vlachopoulos, Department of Civil Engineering at the Royal Military College of Canada).</p>	
May 21 <sup>st</sup> 2024	<p>Cross-Canada Lecture Tour: Dr. Ellen Rathje.</p> <ul style="list-style-type: none"> <li>• The venue was held at the Currie Building at the Royal Military College of Canada campus; a light buffet was offered to the attendees.</li> <li>• Former Principal of RMC, Dr. John Cowan, was invited by CGS Kingston Director to give a historical overview of Currie Hall.</li> </ul>	Learning from Earthquakes and other natural hazards: Past, Present and Future	60

## Section 6. Additional information or comments

**Specific CGS activities for the period June 2023-June 2024 are listed in Section 5 table.**

CGS Kingston Section has participated in multiple CGS meetings/initiatives (such as CGS Section Directors' discussions and EDI initiatives) throughout the year with a view to continuing the improvement of the organisation and the augmentation of its impact on geosciences/geoengineering professionals in industry and academia. Our Section has also approached academics and consultants across Canada and overseas with a view to inviting them for virtual talks to our Section members for 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?**

There seems to be a dire need for CGS in general to embrace and promote an environment of inclusiveness, respect and appreciation for what each one of its Sections has to (or can) offer. More importantly, CGS leadership can do more in terms of getting to know its own members. Targeted, uninformed, cold and ungracious communication by the CGS top leadership directly to a Section Director - which circumvented the known “hierarchy”, i.e. by-passing the Section Representative on the CGS National Executive Committee (who should be naturally expected to reach out to the Section Director if there is a specific topic or concern for discussion)- should not be a normal and accepted practice within our community of volunteers/paid members/professionals. More importantly, attitudes that sound like “my way or the highway” should be identified and eliminated, especially from the CGS National Executive Committee, as they can stifle the enthusiasm of our members – and turn them (and others) away from CGS.

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

One of our past Chairs and current Executive Member, Mr. Dylan Hill, has volunteered to attend the fall board meeting, on behalf of our committee.

**Eastern Ontario (Ottawa) Section  
Annual Report July 1, 2023 to June 30, 2024**

**Formal Section Name: (please add here) Ottawa Geotechnical Group**

**Section 1: General**

Date of this report: **August 06 2024**

Prepared by: **Mohammed Al-Khazaali**

Section Director: **Mohammed Al-Khazaali**

End of Section Director’s Term: **December 2025**

If your Section has a separate website, please provide address: <https://ottawageotechnicalgroup.com/default.html>

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

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

<b>Chair</b>	Imad Alainachi	<i>Englobe</i>
<b>Past Chair</b>	Matt Kennedy	<i>Thurber Engineering</i>
<b>Vice-Chair</b>	Robert Edde	<i>Terraconsults</i>
<b>CGS Regional Director</b>	Mohammed Al-Khazaali	<i>Groupe ABS</i>
<b>Treasurer</b>	Zubaida Al-Moselly	<i>Paterson Group</i>
<b>Membership Manager</b>	Amirreza Saremi	<i>University of Ottawa</i>
<b>Secretary</b>	Aparna Sagade	<i>GHD Group</i>
<b>Advisor</b>	Gerry Webb	<i>Retired</i>
<b>Executive Member</b>	Mamadou Fall	<i>University of Ottawa</i>
<b>Executive Member</b>	Sean Sterling	<i>Geofirma</i>
<b>Executive Member</b>	Paul Simms	<i>Carleton University</i>
<b>Executive Member</b>	Ramin Ghassemi	<i>Stantec</i>
<b>Executive Member</b>	Hicham Salem	<i>Scientific Applied Concepts Ltd.</i>
<b>Student Representative</b>	Misagh Khanlarian	<i>Carleton University</i>
<b>Student Representative</b>	Desmond Sunkpal	<i>University of Ottawa</i>

**Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: **13** + Student Representatives: **2**  
 Total members (if possible, student and non-student members): **163**  
 Total CGS members (if possible, student and non-student members): **unknown**  
 Comments:

•

**Section 4: Section Finances (as of June 30, 2024)**

Account balance \$ 27,625.58 on June 18<sup>th</sup>  
 Does your Section charge members an annual fee? **Yes**  
 If so, how much? \$40  
 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 **No**  
 Is your Section planning on sponsoring a Student/MIT to attend GeoMontreal 2024 (Admin Manual App 12)? Yes/No

Comments:

<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
Topic/Subject	Speaker/Other	Date	Attendance
Fall CCLT: Helical Piles: Efficient Foundation for Static, Dynamic and Seismic Applications	Dr. Hesham El Naggar, PhD, P.Eng., FCAE, FEIC, FASCE, Western University	September 2023	35
Artificial Intelligence for Condition Assessment of Canadian Roadways	Dr. Mohammad Shafiee, P.Eng., National Research Council (NRC)	October 2023	37
Design and Installation of Micropiles, Geotechnical Grouting, Helical Displacement Pile and Helical Piles	Dino Vito, M.A.Sc., P. Eng, EBS Geostructural	November 2023	47
Advancing sustainability in the geotechnical industry	Kimberly Martin, Ph.D., PE., Keller – North America	December 2023	42
Role of Geotechnical Engineering in Human Settlement on the Moon and Beyond: Challenges and Opportunities	Dr. Pooneh Maghoul, Ph.D., P.Eng., Polytechnique Montréal	January 2024	37
The 48th Annual Michael Bozozuk Student Forum Ottawa and Kingston Graduate Students	-	March 2024	-
CCLT: Site Response Analysis: Does it Work?	Ellen M. Rathje, Ph.D., P.E., F. ASCE. University of Texas at Austin	May 2024	79

**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 or the CGS National Office?**

**Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15? Yes**

**Ouest-du-Québec / Western Québec (Montréal) Section  
Annual Report July 1, 2023 to June 30, 2024**

**Formal Section Name: Western Québec (Montréal) Section**

**Section 1: General**

Date of this report: June 30, 2024

Prepared by: Reza Saghaee

Section Director: Mourad Karray

End of Section Director's Term: 2024

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

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

Chair: Reza Saghaee  
 Directeur: Mourad Karray  
 Vice-Chair: Simon-Pierre Tremblay  
 Treasurer: Abtin Jahan bakhsh  
 Communications: Mireille S. Ewane  
 Administration: Philippe Legault-Capozio  
 Responsable du programme: Vanessa Di Battista  
 Secrétaire: Jonathan D. Aubertin

**Section 3: Number of Section Members**

Executive Committee Members: 9

Total members (if possible, student and non-student members): 500

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? All of the CGS Western Quebec Section events are free of charge for students.

Comments:

**Section 4: Section Finances**

Account balance 21 000 \$

Does your Section charge members an annual fee? No

If so, how much? N/A

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

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

Is your Section planning on sponsoring a Student/MIT to attend GeoMontreal 2024 (Admin Manual App 12)? Yes

Comments:

<b>Section 5: Section Activities</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
22 May 2024 (In Person)	Ellen M. Rathje	New Approaches for Evaluating the Seismic Performance of Slopes and Dams	80
18 April 2024 (In Person)	Students	Concours Branko Ladanyi 2024	25
21 November 2023 (In Person)	Maha Clour and David Chartier	Annual Dinner: Blue Line extension: changing the face of mobility in Montreal's east end	110



<b>Section 5: Section Activities</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
2 November 2023 (In Person)	Serge Leroueil	Aspects géotechniques du déluge du Saguenay de 1996	90
21 September 2023 (In Person)	M. Hesham El Naggar	Helical Piles: Efficient Foundation for Static, Dynamic	40
17 July 2023 (In Person)	Jian-Hua Yin	Fully Coupled Numerical Methods and a Simple Method for Consolidation Analysis of Clayey Soils	65
1 June 2023 (In Person)	Steve Kramer	Performance-Based Design in Geotechnical Engineering Practice	90

### **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?** No

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***Est-du-Québec / Eastern Québec (Québec) Section  
Annual Report July 1, 2023 to June 30, 20234***

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**Formal Section Name: Eastern-Québec**

### **Section 1: General**

Date of this report: 2024-06-13

Prepared by: Vincent Castonguay

Section Director: Vincent Castonguay

End of Section Director's Term: December 2024

If your Section has a separate website, please provide address: None

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

### **Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Sarah Bouchard

Secretary: Valérie Michaud

Counsellor to the Chair: Julie Therrien

Treasurers: Thomas Fournier & Jonathan Leblanc

Logistics: Geneviève Lessard & Philippe Morin

Communications: Sandra Veillette

Technical program: Olivier Juneau, Pierre-Olivier Maltais & Pierre-Olivier Dionne

Scholarships: Jean-Pascal Bilodeau

Student representative: Andries Kirstein & Willideman Tobon Sanchez

### **Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: 15

Total members (if possible, student and non-student members): 480 local participants (distribution list)

Total CGS members (if possible student and non-student members): 66 (13 students)

Comments:

- New local initiative started this year to increase membership numbers by recognizing local employers that reimburse membership dues to their employees. So far, three companies have joined the initiative.

#### Section 4: Section Finances (as of June 30, 2024)

Account balance \$15,198.37 in cash, \$72,000 in investments

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 GeoMontreal 2024 (Admin Manual App 12)? Yes/

Comments:

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<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
2023-09-20	Hesham El Naggar	Helical Piles: Efficient Foundation for Static, Dynamic and Seismic Applications	12
2023-10-19	Serge Leroueil	Aspects géotechniques du déluge du saguenay de 1996	36
2023-10-25	Vincent Castonguay	Towards greater confidence in the results of numerical geotechnical analyses	25
2023-11-23	Guillaume St-Onge	Paleoseismicity of a passive and active continental margin during the Holocene	39
2023-12-12	Multiple students	Presentations from the students who won scholarships handed out by the local section	31
2024-02-28	Vincent Castonguay & Pierre-Alain Konrad	Clay slope stability - A case study where high hydraulic gradients compromise riverside stability	50
2024 -03-13	Julie Malenfant Lepage	Impact de l'eau sur le pergélisol et conception de systèmes de drainage pour les infrastructures de transport en milieu nordique	42
2024-05-15	Vera Van Beek	Developments in safety assessment and mitigation for backward erosion piping	30
2024-05-24	François Duhaime	Particle size analysis using convolutional neural networks	37

#### 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 or the CGS National Office?**

**Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15?**

YES

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**New Brunswick (Fredericton) Section  
Annual Report July 1, 2023 to June 30, 2024**

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

**Section 1: General**

Date of this report: July 25, 2024  
Prepared by: Christopher McQueen  
Section Director: Christopher McQueen  
End of Section Director's Term: TBD  
If your Section has a separate website, please provide address: No  
Is there a link from your separate Section website to the CGS website? No

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Christopher McQueen  
Past Chair: Benjamin McGuigan  
Vice Chair: Samuel Oshati  
Secretary: Christiane Levesque  
Treasurer: Rochelle Staples

**Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: 5  
Total members (if possible, student and non-student members): +/- 50  
Total CGS members (if possible student and non-student members): +/- 20  
Comments:

•

**Section 4: Section Finances (as of June 30, 2024)**

Account balance \$ 257.87  
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 GeoMontreal 2024 (Admin Manual App 12)? No

Comments:

- We have contacts with local universities (UNB, U de Moncton) and frequently enquire about Masters students and whether they are looking for sponsorship or are willing to give a dry-run presentation on their thesis.

<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
9/18/2023	Hesham El Nagggar	Innovation in Wind Turbine Foundation Design	20

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

- The fall lecture tour stop was a bit rushed and therefore the turnout wasn't quite as good as we had hoped. We always host at UNB in Fredericton and up until now, we didn't have to pay for a room.
- We did not get a spring lecture tour stop in 2024. We had planned to host our own local section presentation with UNB professor emeritus, Arun Valsangkar, regarding the changes in the CANFEM but his wife passed away unexpectedly and we've decided it best to give him some time.
- Andre Bom arranged for a virtual presentation of the spring tour from Sudbury which was well-received and I noted several NB geotechnical professionals on the Teams call.
- I've reached out to APEGNB, which up until recently, wouldn't take CGS lectures (unregistered) as PDHs at face value. This has since changed though I am unsure about other provinces and I was wondering if we could arrange this through CGS National (official attendance certificates). I see many other organizations doing it (ex: ACI) and some of us have licenses in the US where this might be required.
- Also spoke with APEGNB about sponsorship for lectures or other events. I need to follow up.

## **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 or the CGS National Office?** Not at this time.

**Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15?** Yes, for once!

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***Nova Scotia (Halifax) Section  
Annual Report July 1, 2023 to June 30, 2024***

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

### **Section 1: General**

Date of this report: July 11, 2024

Prepared by: Justin Matthew

Section Director: Justin Matthew

End of Section Director's Term: December 31, 2024

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

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

### **Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Justin Matthew (Public Services and Procurement Canada)

Past Chair: Vince Goreham (Harbourside Geotechnical Consultants)

Vice Chair: TBD

Secretary: TBD

### **Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: 2

Total members (if possible, student and non-student members): 22 non-student / 2 student

Total CGS members (if possible student and non-student members): 22 non-student / 2 student

Comments: None

**Section 4: Section Finances (as of June 30, 2024)**

Account balance \$14,508.99

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 GeoMontreal 2024 (Admin Manual App 12)? No

Comments: None

<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>

**Section 6: Additional information or comments**

- No activities

**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 or the CGS National Office?** No.

**Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15?** No

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***Newfoundland and Labrador (St. John's) Section  
Annual Report July 1, 2023 to June 30, 2024***

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**Formal Section Name: Newfoundland and Labrador – St. John's Section**

**Section 1: General**

Date of this report:

July 11, 2024

Prepared by:

Shawn Russell

Section Director:

Shawn Russell

End of Section Director's Term:

December 2024

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

Is there a link from your separate Section website to the CGS website? No, N/A, we do not have a website

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Shawn Russell, GEMTEC Consulting Engineers and Scientists Limited

Past Chair: Andrew Peach, Hatch Ltd.

Vice Chair: Ashutosh Dhar, Memorial University of Newfoundland and Labrador

Secretary: Jin Chen, C-Core

Executive Member: Ripon Karmaker, Stantec Consulting Ltd,

**Section 3: Number of Section Members (as of June 30, 2024)**

Executive Committee Members: 5  
Total members (if possible, student and non-student members): 20  
Total CGS members (if possible student and non-student members): 20  
Comments:

- 

**Section 4: Section Finances (as of June 30, 2024)**

Account balance \$ \$30,904.72  
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 GeoMontreal 2024 (Admin Manual App 12)? Yes

Comments:

- 

<b>Section 5: Section Activities, July 1, 2023 to June 30, 2024</b>			
<b>Date</b>	<b>Speaker/Other</b>	<b>Topic/Subject</b>	<b>Attendance</b>
Sept 2023	Student Paper Presentations at MUN	Presentations of papers to be submitted for sponsorship to attend GeoSaskatoon 2023	5

**Section 6: Additional information or comments**

- N/A

**Section 6: Additional information or comments**

- N/A

**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 or the CGS National Office?**

**Are you planning to attend the CGS annual conference GeoMontreal? The annual Board Meeting on Sunday September 15?**

## DIVISION and COMMITTEE REPORTS

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### *Divisions and Committees Representative Summary Annual Report – Jennifer Day*

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#### Divisions and Committees Representative Summary Report

Year End Report

Jul 1, 2023 to June 30, 2024

#### 8. Divisions and Committees (JD)

8.1 General update (including actions from last meetings)

8.2 End of the year reports from Chairs (with program and budget?)

Division / Committee	Chair	End of Year Highlights / Plans for Upcoming Year
Cold Regions Division		<ul style="list-style-type: none"> <li>•</li> </ul>
Engineering Geology Division		<ul style="list-style-type: none"> <li>•</li> </ul>
Geoenvironmental Division	Vincent Martin	<ul style="list-style-type: none"> <li>• Plans to rebuild Division and EC; increase membership; organize a few meetings in 2024-25</li> </ul>
Geosynthetics Division	Sam Bhat	<ul style="list-style-type: none"> <li>• Q3/Q4 2024 educational webinar</li> <li>• Canadian Geotechnique article in summer 2024, another article in prep. for winter 2025</li> <li>• GeoAmericas April 2024 panel discussion on geosynthetics in sustainable transportation</li> <li>• GeoManitoba 2025 short course being planned</li> <li>• Interest in proposing modifications to the Geosynthetics Award frequency &amp; criteria – JD invited submission of a written proposal</li> </ul>
Groundwater Division		<ul style="list-style-type: none"> <li>•</li> </ul>
Rock Mechanics Division	Jonathan Aubertin & Jennifer Day	<ul style="list-style-type: none"> <li>• New communication rep (Abtin Jahanbakhsh)</li> <li>• Ongoing joint CIM-RES and CGS-RMD webinar series</li> <li>• LinkedIn group created (<a href="https://www.linkedin.com/groups/14501032/">https://www.linkedin.com/groups/14501032/</a>)</li> <li>• GeoMontreal 2024 workshop</li> <li>• GeoManitoba 2025 workshop</li> <li>• Student design competition (CARMA initiative)</li> <li>• RockEng2025 Conference planning (Montreal; CARMA initiative)</li> <li>• Undergraduate scholarship (CARMA initiative)</li> </ul>
Soil Mechanics & Foundations Division	Lijun Deng	<ul style="list-style-type: none"> <li>• Annual virtual workshop on limit state design principle</li> <li>• Articles for Canadian Geotechnique</li> <li>• Nominate 2025 SMFD Distinguished Lecturer</li> <li>• Plan new Canadian conference on piling engineering and practice</li> </ul>
Education Committee	Cheng Lin	<ul style="list-style-type: none"> <li>• Virtual University continuing education program – launching with webinar in collaboration with Geosynthetics Div.</li> <li>• GeoManitoba 2025 Forum of Future Geotechnical Education</li> <li>• Online education platform to share Geotech teaching resources</li> </ul>
Geohazards Committee	Megan van Veen	<ul style="list-style-type: none"> <li>• Successful 3<sup>rd</sup> annual Geohazards Connections mini-conference was held online in April 2024 (hosted by Scott MacDougall at UBC)</li> <li>• Geohazards 9 conference planning (Edmonton, June 2026)</li> </ul>

Division / Committee	Chair	End of Year Highlights / Plans for Upcoming Year
		<ul style="list-style-type: none"> <li>• Schuster medal nominations and award administration; 2025 nominations will be for a Canadian member</li> <li>• Request received to potentially support a post-wildfire geohazards workshop in western Canada in 2025</li> <li>• Request anticipated from AEG for CGS support for the next North American Symposium on Landslides (NASL), which would happen in at least a few years</li> <li>• Megan is seeking clarification on the current state of the Committee's finances</li> </ul>
Heritage Committee	Heinrich Heinz	<ul style="list-style-type: none"> <li>• Continuous augmentation of Virtual Archives content</li> <li>• Produce articles for Canadian Geotechnique</li> <li>• Prepare article on Arthur Casagrande's Canadian Connection for Special Geo-History Issue of GeoStrata</li> <li>• Interest in featuring Virtual Archives more prominently to attract viewers on revamped CGS website</li> <li>• Committee needs a new chair and vice chair but Heinrich has so far been unsuccessful with finding replacements</li> </ul>
Mining Geotechnique Committee	Ahlam Abdunabi	<ul style="list-style-type: none"> <li>• Collaboration to capitalize on synergies with the Canadian Dam Association</li> <li>• Strengthen industry-academia-student interaction with structured forum</li> <li>• Awareness campaign – long term goal to highlight importance of mining to adjacent disciplines (incl. content creation)</li> <li>• Virtual brainstorming sessions for members</li> </ul>
Professional Practice Committee	Séan Mac Eoin	<ul style="list-style-type: none"> <li>• Plans to maintain positive relationship with GBA &amp; develop mutual benefits</li> <li>• Explore options to develop relationship with AFG (Association des Firmes de Génie-Conseil) in QC</li> <li>• GeoMontreal 2024 Special Session (with the GBA)</li> <li>• Case Studies Collection Joint Working Group</li> <li>• Contributions to Canadian Geotechnique (incl. Special Feature on Professional Practice)</li> </ul>
Sustainable Geotechnics Committee	Sumi Siddiqua	<ul style="list-style-type: none"> <li>• GeoMontreal 2024 session</li> <li>• Presentation at TC 307 Workshop at XVIII European Conference on Soil Mechanics and Geotechnical Engineering (Lisbon, Portugal, Aug 2024)</li> <li>• Conversations with DFI and Geo-Institute</li> </ul>
Transportation Geotechnique Committee	Harpreet Panesar	<ul style="list-style-type: none"> <li>• Hosted 2<sup>nd</sup> Terrain Analysis Online Workshop (Feb 28, 2024) in collaboration with JDMA team (successful with 62 attendees)</li> <li>• LinkedIn Group proposal approved, creation in progress</li> </ul>

### 8.3 Interactions with Chairs; communication with members, use of E-News and CGS social media

- JD continues to encourage Div & Comm chairs to communicate with members via E-News, social media, and Geotechnique Magazine.
- E-News Use June: Geohazards
- Canadian Geotechnique Spring 2024 Use
  - News: Geosynthetics, SMFD, Heritage, YP
  - Articles: Heritage, Cold Regions, Professional Practice, SMFD, Geosynthetics,



- CGS Social Media Use: RMD, YP, SMFD
- JD is planning a series of social media posts (could also be included with E-News) – one from each Div & Comm to showcase a Canadian project/development/person related to the Div / Comm topics, and schedule a post from 1 Div + 1 Comm every month (8 months total). If successful, continue as a regular series.

#### 8.4 Awards Banquet; nominations and selection results; role of Chairs.

- Awards have been selected and winners have been notified (thanks to CGS Admin team)
- Most Div/Comm chairs are planning to attend GeoMontreal

#### 8.5 Interactions with LoC/Technical Committee at CGS Conferences

- JD to assist EF with D&C scheduling

#### 8.6 Search tool for Conference Proceedings.

- No updates on this initiative since last meeting

#### 8.7 Initiatives and planned activities; Webinars, Special lectures; EIC Heritage project; Name change for Engineering Geology Division (with CL) **Motion**

- Copied from June 2024 Notes: “Engineering Geology Division has submitted a proposal (submitted by Nicholas Vlachopoulos) to change the name of the division to “Engineering Geology and Geological Engineering Division”. Proposal is attached with reasoning and a report on the unanimous vote in favour of name change at EGD meeting at GeoSaskatoon in 2023. (For those unfamiliar, see the Geological Engineering Wikipedia article written by JD and Mark Diederichs for an explanation of the differences between geological engineering and engineering geology: [https://en.wikipedia.org/wiki/Geological\\_engineering](https://en.wikipedia.org/wiki/Geological_engineering))
  - **MOTION: that the CGS EC approve the Engineering Geology Division’s proposal to change its name to the Engineering Geology and Geological Engineering Division.”**

**[[ DOUBLE-CLICK ON PUSH PIN to open proposal submitted by Nicholas Vlachopoulos]]**



- Doug van Dine and Heinrich Heinz have invited JD to lead composition of a Lives Lived memoir following Evert Hoek’s passing last month

#### 8.8 Articles for Magazine

- Chairs have been notified by N. Beier of next News item deadline on Sept. 16 (Engineering Geology and Sustainable Geotechnique are scheduled to submit items)
- Geohazards is organizing Special Section for September 2025 issue (members have been solicited for submissions)

#### 8.9 Other items: Rep for 2025; Preparation of slides for BOD meeting (follow Agenda), to be presented by CL; BOD will include also GRB; may include time for short comments from /Chairs

- At CL’s invitation, JD will stay on as D&C Rep in 2025 if she can change her role in RMD from Co-Chair to Past Chair (so Jonathan Aubertin would be Chair in 2025)

## DIVISION REPORTS

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### *Cold Regions Geotechnology Division Annual Report July 1, 2023 to June 30, 2024*

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

Date of this report: August 10<sup>th</sup> 2024

Prepared by: Ryley Beddoe

Division Chair: Ryley Beddoe

End of Division Chair's Term: December 31 2025

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 (2024/2025)?

- Encourage active participation of members in GeoMontreal and GeoManitoba, which is co-hosted by the Canadian Permafrost Association
- Promote and encourage discounted membership for CGS members to the Canadian Permafrost Association
- Change our Division name, as the term Geotechnology seems to be dropped almost always already.

#### **Section 2: Current (as of January 1, 2024) 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: Simon Dumais - Université Laval, Québec City, QC

Secretary:

Members: Marolo Alfaro, University of Manitoba, Winnipeg, MB  
Ed Hoeve – HovEng Consulting Ltd., Yellowknife, NT  
Biao Li – Concordia University, Montreal, QC  
Heather Brooks – BGC, Edmonton, AB  
Thomas Bradshaw – Tetra Tech, Edmonton, AB  
Arian Nazeri – Université Laval, Québec City, QC

#### **Section 3: Number of Division Members (as of June 30, 2023)**

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): ?

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 Past President.

- The Canadian National Chapter for International Permafrost Association (CNC-IPA), represented by Ed Hoeve on the Executive Committee of CNC-IPA who is also an Executive member of the Cold Regions Geotechnology Division (CRGD).

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

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

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

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

#### **Section 5: Division Finances (as of June 30, 2024)**

Account Balance: \$ 12,776 (to be confirmed)

Comments:

- We understand that seed money was given for ICOP, and that it can't be returned to the Division, but rather it goes to the Society as a whole.

#### **Section 6: Division Activities in past year (July 1, 2023 to June 30, 2024)**

- Large attendance by CGS members at the International Conference on Permafrost, held in Whitehorse in June 2024. Rob Kenyon represented CGS at the opening ceremony and throughout the event.
- Prepared, collected, edited articles, for the Cold Regions Special Section for the magazine for the Fall 2024 issue.
- Attendance at the ICCRE 2024 in May in Alaska, representatives included several CGS members.
- Attendance of members at the GeoSaskatoon, including one session
- Division meeting held in Saskatoon – discussion on focus of CRGD for next 3 years.
- Members invited and attended Canadian Permafrost Association and PermafrostNET webinars, seminars, and AGM, Regional Conference on Permafrost in June, and large focus on ICOP2024 support, committees, etc.

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

- The goal for the next year will be to support the cold regions / permafrost portions at GeoManitoba, supporting the LOC as best as possible.

#### **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?**

What is the process to go about changing our name? And is it even possible?

**Are you planning to attend the fall board meeting, to be held in Montreal, this September? Yes / No - Yes**

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*Engineering Geology Division  
Annual Report July 1, 2023 to June 30, 2024*

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**Division Name: ENGINEERING GEOLOGY DIVISION**

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

Date of report: August 18, 2024

Prepared by: Andrew Peach

Division Chair: Andrew Peach

End of Division Chair's Term: December 31<sup>st</sup> 2024

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

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

- Define Engineering Geology (and associated branches etc.) and harmonize this definition with provincial, national, and international standards – **Definition has been finalized by Division and comments received from CGS membership; the definition has also been circulated to the regulatory bodies in Canada that regulate the practice of Geosciences and comments received. The definition has been updated to reflect the comments received and is now considered final. The updated definition will be sent to the CGS executive for inclusion on the EGD website and elsewhere as appropriate.**
- Move forward with name change of the division to include Geological Engineering, as part of expanding division membership – **N. Vlachopoulos submitted a proposal for the name change to the CGS Executive for presentation and voting at GeoMontreal**
- Proactively solicit nominations for EG awards including Thomas Roy Award, Hans Cloos Medal, Richard Wolters Prize, etc. - **Ongoing initiative, some progress made. Will work on revising qualification criteria for Thomas Roy Award. Incoming Chair N. Vlachopoulos to review and assign/lead.**
- 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 – **Carry over from previous annual reports, need to re-evaluate, no action taken on this for several years – Incoming Chair N. Vlachopoulos to review and assign/or remove from list.**
- Engineering Geology in Canada website /on-line Monograph – **Carry over from previous annual reports, need to re-evaluate, no action taken on this for several years – Incoming Chair N. Vlachopoulos to review and assign/or remove from list.**

**Section 2: Current (as of June 30, 2024) Executive Committee Members and their Affiliations (employers or, if students, universities (these will be posted on your Division webpage)**

Chair: **Andrew Peach**, Hatch Ltd, Newfoundland  
Past Chair: **Stephen Butt**, Memorial University, Newfoundland  
Vice Chair: **Nicholas Vlachopoulos**, Royal Military College of Canada, Ontario  
Secretary: **Eliane Cabot**, Newmont, Quebec  
Members-at-Large: **Renato Macciotta**, University of Alberta, Alberta  
**David Wood**, D. F. Wood Consulting, Sudbury  
**Lucie Kijak**, Hatch Ltd, Mississauga

Note: A. Peach term as Chair is over December 31, 2024 and N. Vlachopoulos will move to Chair. Nomination and voting for new Vice Chair to be held during GeoMontreal.

**Section 3: Number of Division Members (as of June 30, 2024)**

Executive Committee Members: 7

1<sup>st</sup> Choice members: 111 (needs to be confirmed)

2<sup>nd</sup> Choice members: 265 (needs to be confirmed)

**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 (**Rob Kenyon**, CGS President and **Andrew Peach**, National Representative),
- IAEG VP for North America – **Dr. Julien Cohen-Waeber**

**Section 5: Division Finances (as of June 30, 2024)**

Account Balance: \$8,836.00 – (to be confirmed)

- Need to confirm how to access these funds for use/support with EG initiatives.

**Section 6. 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?

Are you attending GeoMontreal and the annual BOD meeting? Y / N - **YES**

**Section 7. Additional information or comments (point form)**

- No Thomas Roy Award winner this year, Selection Committee reviewed nominations and no nominations were received that met the nomination criteria.
- During the reporting period, the EGD Executive had regular correspondence and an in-person AGM in the Fall, and the EGD Vice Chair, and two Members-at-Large attended the Fall CGS Board meeting.

**Geoenvironmental Division  
Annual Report July 1, 2023 to June 30, 2024**

**Division Name: Geoenvironmental Division**

**Section 1: General**

Date of this report:	August 2 <sup>nd</sup> , 2024
Prepared by:	Vincent Martin
Committee Chair:	Vincent Martin
End of Committee Chair's Term:	December 2024

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

To promote geoenvironmental sciences and to encourage interactions between professionals and students working and studying in the field of geoenvironmental sciences.

2) List a few specific things that your committee will be working on, or wishes to accomplish, during the next year.

- Rebuild the executive committee and division.
- Increase the number of members.

**Section 2:**

**Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Vincent Martin, Newmont – Éléonore Mine  
Past Chair: Magdalena Krol, York University  
Vice Chair:  
Secretary:

**Section 3:**

**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)**

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

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**Comments:**

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**Section 4:**

**Committee Finances (as of June 30, 2024)**

**Account Balance (if applicable): \$**

**Comments:**

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**Section 5:**

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

No.

**Are you attending GeoMontreal and the annual BOD meeting? Y / N Yes**

**Section 6:**

**Additional information or comments about activities this year:**

- No activities were organized in the past year.
- The objective for 2024 and 2025 will be to attempt to organize a few meetings to see how the committee can, once again, become more active in the society.

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**Geosynthetics Division**  
**Annual Report July 1, 2023 to June 30, 2024**

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**Division Name: Geosynthetics Division**

**Section 1: General**

Date of this report: June30, 2024  
Prepared by: Sam Bhat  
Division Chair: Sam Bhat  
End of Division Chair's Term: December 31, 2026

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

The mission is to have an active Geosynthetics Division with multiple relevant collaborations to foster geosynthetics awareness, education, research, and industry interactions using geosynthetic solutions.

**2) List a few specific things that your division will be working on, or wishes to accomplish, this year.**

- 1.Educational Courses/Webinar for 2024 during Q3/Q4.
- Contributed a technical research article titled 'On the Bending Response of Concrete Beams with Low- or High-Ductility Geogrid Reinforcement' to Canadian Geotechnique Magazine, published in the Spring 2024 issue. Working on another article for the Winter issue.
- Conducted a special session at GeoAmerica's 2024 held in Toronto on April 30 as a panel discussion on Transportation: Sustainable approaches for the future  
Sub-Topics Covered:
  - i Traditional vs Geosynthetics (Traditional construction methodologies vs geosynthetics)
  - ii Recent innovations and research,
  - iii. Human considerations
  - iv. Geosynthetics to facilitate circular construction practices.
  - v. Guidance for the future.The panelists were the leading experts from government agency, academia, and industry.
- Short Courses at IGS annual Conferences. The division was planning to offer short courses at GeoMontreal 2024; however, the courses were already full and finalized by IGS. The Division is now working to conduct a short course at GeoManitoba in 2025.
- The division also received nominations for the Geosynthetics Award 2024. The selection committee of 5 people was formed by the Chair to evaluate the nominations as per the current eligibility criteria. The Selection Committee members represented past award recipients, academia, practicing Engineers and industry and all are active CGS members with Geosynthetics division choice. The winner was selected, and details have been sent out to the CGS Executive for further action.

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Sam Bhat (Titan Environmental Containment Ltd.)  
Past Chair: Fady Abdelaal (Queen's University – Kingston ON)  
Vice Chair: Eric Blond (EB Consultant)  
Vice Chair: Isabel Perez (Terrafix Geosynthetics Inc.)  
Vice Chair: Ness Di Battista (Université de Sherbrooke)

**Section 3: Number of Division Members (as of June 30, 2024)**

Executive Committee Members: (04)

1<sup>st</sup> Choice members (48):

2<sup>nd</sup> Choice members (216 ):

Comments:

- As of now only we see only 3.44% members as First Choice and 15.5% as 2<sup>nd</sup> Choice members out of the total CGS active members. These numbers reported further manifests to create the awareness and interest in geosynthetics to more members and increase the geosynthetics division members.

**Section 4:**

**Is your division affiliated with other organizations?**

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:

NA

**Section 5:**

**Division Finances (as of June 30, 2024)**

Account Balance (if applicable): \$

Comments:

- NA

**Section 6:**

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

I have one suggestion regarding the eligibility criteria for the Geosynthetics Award moving forward. One is that instead of every two years, it could be made every year to inspire more people. The geosynthetics knowledge in the industry is still patchy and the correct knowledge needs to be disseminated across academia/ industry / agencies and practicing engineers. Secondly, the current eligibility criteria are more suited to candidates from academia, who would have the required research publications. However, there may be an equally deserving candidate from the industry who may have shown excellence in using geosynthetics in a project and or contributed developing an innovative geosynthetics solution etc. Such candidates may not be able to meet the current eligibility criteria. Moving forward, I suggest revising the eligibility criteria accordingly and be able to attract more deserving candidates across the board.

**Are you attending GeoMontreal and the annual BOD meeting? Y / N**

Yes

**Section 7:**

**Additional information or comments about activities this year:**

The division is excited to run various programs and collaborations to foster geosynthetics awareness to use the sustainable geosynthetics solutions especially in today's times when we are facing climate change and intensified freeze thaw cycles and degrading permafrost in the northern areas.



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**Groundwater Division**  
**Annual Report July 1, 2023 to June 30, 2024**

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

**Section 1: General**

Date of this report: August 18<sup>th</sup>, 2024

Prepared by: François Duhaime

Division Chair: Sonny Sundaram

End of Division Chair's Term: December 31<sup>st</sup>, 2026

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?

- 1) The last few winners of the Farvolden award have been much more closely associated with IAH than CGS. Candidates (and potential sponsors) closer to CGS have been identified.
- 2) We organized a very successful webinar in June. Our objective is to organize another one in 2024-2025.

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

Chair: Sonny Sundaram, Englobe

Past Chair: François Duhaime, ÉTS

Vice Chair: Julie Gauthier, Laforest Nova Aqua

Student representative: Amir Hossein Daneshi Sadr, ÉTS

IAH/CNC representative (non-voting): Brian Smerdon, University of Alberta

**Section 3: Number of Division Members**

Executive Committee Members: 4

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

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

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

International Association of Hydrogeologists – Canadian National Chapter.

Comments:

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

**Section 5: Division Finances**

Account Balance: 0 \$

Comments:

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

## Section 6: Division Activities in past year

- The annual meeting of the GWD was held on October 3<sup>rd</sup> 2023 at the annual CGS conference in Saskatoon. The past chair and three CGS members attended the meeting. Potential webinars were discussed.
- An executive committee meeting was held on April 15<sup>th</sup> 2024. Three new executive committee members attended the meeting. Potential activities were discussed.
- The CGS shares the Robert N. Farvolden Award with the IAH-CNC. Only one application package was submitted this year. As the candidate was clearly excellent, the committee did not meet to discuss the application package and the Farvolden award was presented to this candidate.
- A webinar was held to present the new CFEM chapter on Groundwater control on June 11, 2024. The webinar was led by Harry Oussoren, David Sawicki, Chris Neville, and François Duhaime. There were more than 250 participants.

## 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 Technical 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 Montreal, at GeoMontreal this October 1?

Sonny Sundaram will attend. This will be his first board meeting.

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**Rock Mechanics Division**  
**Annual Report July 1, 2023 to June 30, 2024**

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## Division Name: Rock Mechanics Division

### Section 1: General

Date of this report: June 23<sup>rd</sup> 2024  
Prepared by: Jonathan Aubertin  
Division Chair: Jonathan Aubertin & Jennifer Day  
End of Division Chair's Term: 2026

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

To develop, maintain and promote communications and cooperation between practitioners of rock mechanics and geotechnical rock engineering

### 2) List a few specific things that your division will be working on, or wishes to accomplish, this year.

- Continue the joint RES (CIM) and RMD webinar series.
- Create a linking group (approved in June 2024)
- Rock Mechanics workshop at GeoWinnipeg
- Student competition (CARMA related initiative)
- Annual John Franklin award
- Second annual best rock mechanics paper at national conference.
- Support RockEng 2025 organization (CARMA related initiative).
- Undergraduate scholarship (CARMA initiative)
- Magazine article

**Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Jonathan D. Aubertin and Jennifer Day (co-chairs)  
Past Chair: Jenn Day (currently co-chair)  
Vice Chair: Vacant  
Secretary: Ghasem Sham  
Communication rep: Abtin Jahanbakhsh  
Members at large: Davide Elmo  
Biao Li  
Enzo Zheng  
Eliane Cabot

**Section 3: Number of Division Members (as of June 30, 2024)**

**Executive Committee Members:**

1<sup>st</sup> Choice members (can be obtained from Lisa): 98  
2<sup>nd</sup> Choice members (can be obtained from Lisa): 280

**Comments:**

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**Section 4:**

**Is your division affiliated with other organizations?**

**If yes:**

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

- Canadian Rock Mechanics association (CARMA)

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

• -

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

- International society for Rock Mechanics (ISRM)

**Comments:**

-

**Section 5:**

**Division Finances (as of June 30, 2024)**

**Account Balance (if applicable): 0\$**

**Comments:**

-

**Section 6:**

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

-

**Are you attending GeoMontreal and the annual BOD meeting? Y / N**

yes

## Section 7:

### Additional information or comments about activities this year:

- Rock mechanics workshop at geoMontreal
- John Franklin award (now annual)
- Rock mechanics webinar (3 during the last year, planning for quarterly moving forward)
- Rock mechanics Student competition scope and definition. First iteration planned for fall 2024.
- General assembly at GeoSaskatoon.
- Created a communication rep position in the executive committee.

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***Soil Mechanics and Foundations Division***  
***Annual Report July 1, 2023 to June 30, 2024***

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### Division Name: Soil Mechanics and Foundation Division

#### Section 1: General

Date of this report: June 30, 2024

Prepared by: Lijun Deng

Division Chair: Lijun Deng

End of Division Chair's Term: December 31, 2024

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

#### 2) List a few specific things that your division will be working on, or wishes to accomplish, this year.

- Annual virtual workshop on the limit state design principle and practice of geo-structures
- Solicit technical papers for the Canadian Geotechnique
- Nominate the 2025 division distinguished lecturer
- Start up the discussion of a Canadian conference on piling engineering and practice

#### Section 2: Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)

Chair: Lijun Deng, University of Alberta

Past Chair: Laifa Cao, WSP

Vice Chair: Cheng Lin, University of Victoria

Secretary: Keshab Sharma, BGC Engineering

Amir Poshnejad, EllisDon Corporation

Ashutosh Sutra Dhar, Memorial University of Newfoundland

Wenbo Zheng, University of Northern British Columbia

Lucas Siscate Bohrer, Black & Veatch

Yuan Li, Thurber Engineering Limited

Mahdi Taiebat, UBC Vancouver

Trevor Carey, UBC Vancouver

Rashed Chowdhury, Clifton, Regina

Erdrick Perez, Université Laval

Jamie Bartz, University of Manitoba

Markus Jesswein, Keller, Toronto

Albert Liu, University of Alberta

**Section 3: Number of Division Members (as of June 30, 2024)**

Executive Committee Members: 16

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?**

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, 2024)**

Account Balance (if applicable): \$

Comments:

- 

**Section 6:**

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

**Are you attending GeoMontreal and the annual BOD meeting? Y / N**

Y

**Section 7:**

**Additional information or comments about activities this year:**

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## COMMITTEE REPORTS

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### *Education Committee* *Annual Report July 1, 2023 to June 30, 2024*

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**Committee Name: Education Committee**

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

Date of this report: June 30, 2024

Prepared by: Cheng Lin

Committee Chair: Cheng Lin

End of Committee Chair's Term: December 31, 2024

#### **1) What is the mission statement, or main purpose, of your committee?**

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

#### **2) List a few specific things that your committee will be working on, or wishes to accomplish, during the next year.**

- Continue to highlight the new faculty members or early career researchers in Geotechnical Engineering across Canada and their passion for teaching: forming a taskforce on this initiative.
- Virtual University-continuing education program: working on the kick off webinar with Geosynthetics Division
- Forum of Future Geotechnical Education in Geo-Manitoba 2025 (note that: the one previously proposed for Geo-Montreal 2024 did not work)
- Online education platform that can share resources of geotechnical engineering teaching

#### **Section 2:**

**Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Cheng Lin, University of Victoria

Past Chair: Pooneh Maghoul, Polytechnique Montréal

Vice Chair: Ashutosh Sutra Dhar, Memorial University of Newfoundland

Secretary: Owen Jiang, Stantec

#### **Section 3:**

**Is your committee affiliated with other organizations?**

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)

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Comments:

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**Section 4:  
Committee Finances (as of June 30, 2024)**

Account Balance (if applicable): \$

Comments:

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**Section 5:**

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

**Are you attending GeoMontreal and the annual BOD meeting? Y / N**

Y

**Section 6:**

**Additional information or comments about activities this year:**

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***Heritage Committee  
Annual Report July 1, 2023 to June 30, 2024***

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**Committee Name: Heritage Committee**

**Section 1: General**

Date of this report: 10.July.2024

Prepared by: Heinrich Heinz

Committee Chair: Heinrich Heinz

End of Committee Chair's Term: 31.December.2024

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

The purpose of the Heritage Committee is to preserve the history of geotechnique in Canada. (no change)

**2) List a few specific things that your committee will be working on, or wishes to accomplish, during the next year.**

- Continue to augment the contents in the Virtual Archives
- Produce Heritage-Related Articles for Canadian Geotechnique
- Prepare an article on Arthur Casagrande's Canadian Connection for a Special Geo-History issue of GeoStrata

**Section 2:**

**Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Heinrich Heinz (Thurber Engineering Ltd, Calgary)

Past Chair: David Cruden (Dr. Cruden is no longer active in the Heritage Committee)

Vice Chair: Jacques Locat (Université Laval)

Secretary: Steven Harms (RRC Polytech, Winnipeg)

### **Section 3:**

#### **Is your committee affiliated with other organizations? Yes**

- 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 cooperated informally with James Withiam, Editor-in-Chief of ASCE's GEOSTRATA Magazine, Brad Keelor (Director of ASCE's Geoinstitute), and Michael Bennett (Member of ASCE's Geoinstitute interested in History and Heritage)

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

- None

### **Section 4:**

#### **Committee Finances (as of June 30, 2024)**

Account Balance (if applicable): \$

Comments:

- We have been asked by the EIC for a \$500/year contribution for three years, for an extension of the Oral History project of the EIC History & Archives Committee. This has been discussed with the CGS Executive.

### **Section 5:**

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

A general consensus from the discussions held during the 2023 GeoSaskatoon meeting is that the Virtual Archives could be updated to be more attractive to visitors of the CGS web site. We subsequently looked at the available Google Analytics data with help from the VP Communications Eliane Cabot – the general impression was that number of visitors is very small compared to the entire CGS Website (103 Views for the period mid-April – early October 2023, as compared to 41,588 Views for the entire CGS website in the same period). It also appears that visitors do not engage much with the heritage archives.

It was suggested to the members of the website task force (Vincent Castonguay and Justyna Kos-Fairless) that the Archives should be featured more prominently in the revamped website, for instance by having it as a stand-alone heading, not just as a sub-heading in the Resource Centre pull-down menu.

#### **Are you attending GeoMontreal and the annual BOD meeting? Y**

### **Section 6:**

#### **Additional information or comments about activities this year:**

- The committee needs a new chair and a new vice-chair, to replace Heinrich Heinz and Jacques Locat who have occupied these positions for multiple terms. Heinrich has approached a few individuals in the committee but has so far been unsuccessful in finding a replacement.
- Note: Past Heritage Committee Chairs, starting in 1998 have been: Lorne Gold, Ken Skafffeld, Sai Vanapalli, Dennis Puhfal, Jim Graham, Mustapha Zergoun, Suzanne Powell and David Cruden.



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**Geohazards Committee**  
**Annual Report July 1, 2023 to June 30, 2024**

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**Committee Name: Geohazards Committee**

**Section 1: General**

Date of this report: July 1, 2024

Prepared by: Megan van Veen

Committee Chair: Megan van Veen

End of Committee Chair's Term: June 30, 2026

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

The Geohazards Committee (formerly the Landslide Committee) supports efforts leading to the technical competence and excellence of Canadian geotechnical and related geoscience professionals working in the field of geohazards. It contributes to the organization of Canadian geotechnical conference sessions on landslides and geohazards, the organization of national and international landslide and geohazard conferences, the development of national 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). It also involves in the nomination of the Schuster Medal in collaboration with the AEG.

**2) List a few specific things that your committee will be working on, or wishes to accomplish, during the next year.**

- Continue advancing planning for the Geohazards 9 conference, to be held in Edmonton in June 2026
- Continue support nominations and award process for the Schuster medal. In 2024, the award is expected to be presented to an American (TBD). Nominations for 2025 will be for a Canadian member.
- There has been a request to potentially support a post-wildfire geohazards workshop in western Canada in 2025. Planning is in the very early stages and more information will be gathered soon.

**Section 2:**

**Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Megan van Veen, BGC Engineering

Past Chair: Ariane Locat, ULaval

Vice Chair: N/A

Secretary: N/A

(Add others as necessary)

**Section 3:**

**Is your committee affiliated with other organizations?**

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:

- N/A

#### **Section 4:**

##### **Committee Finances (as of June 30, 2024)**

Account Balance (if applicable): \$10,100 + \$23,665 (the \$23,665 is revenue from Geohazards8 that was to be added to the committee finances).

Comments: This information was pass on by the previous committee chair but was noted to be potentially out of date (was based on the 2022 annual committee report, with no expenditures since).

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#### **Section 5:**

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

- Some clarification on the state of the committee finances would be useful (did not receive an update on this from Ariane when she transitioned everything over to me).
- The conversations with the AEG around the Schuster Medal have been on and off. We have not yet received any request from them to provide an evaluation of the candidates for 2024. May eventually require further CGS support to develop a more efficient process moving forward.

##### **Are you attending GeoMontreal and the annual BOD meeting? Y / N**

Yes

#### **Section 6:**

##### **Additional information or comments about activities this year:**

Below is a summary of ongoing or recently completed initiatives being undertaken by the Geohazards committee:

- Supporting planning of the Geohazards 9 conference, to be held in Edmonton in 2026. An MoU between the conference chairs (Corey Froese and Renato Macciotta) has been signed and a formal proposal/budget is being prepared for the CGS board, to be provided mid-August 2024 (in advance of GeoMontreal). Early thoughts are that climate change, post-wildfire geohazards, and first nations engagement are topics that will be of focus for the conference.
- A successful 3<sup>rd</sup> annual “Geohazards Connections” mini-conference was held online in April 2024, hosted by Scott MacDougall at UBC.
- The AEG confirmed (in February 2024) that they were placing an order for 10 more medals for the Schuster Medal (only one medal remaining to give out in 2024). The invoice was supposed to have been sent to the CGS.
- There was some email discussion with the AEG about plans for the next instance of the North American Symposium on Landslides (NASL), however this has gone quiet in recent months. There would likely be a request for CGS to support this when it happens (at least a few years away).

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***Mining Geotechnique Committee  
Annual Report July 1, 2023 to June 30, 2024***

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#### **Committee Name: Mining Geotechnique**

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

Date of this report:	July 10, 2024
Prepared by:	Ahlam Abdulnabi, Ph.D., P.Eng.
Committee Chair:	Ahlam Abdulnabi, Ph.D., P.Eng.
End of Committee Chair's Term:	December 31, 2024

### **1) What is the mission statement, or main purpose, of your committee?**

The mission of the Mining Geotechnique Committee is to foster advancement and collaboration in the field of Mining Geotechnique. We are dedicated to serving as a platform for robust dialogue among industry professionals, academics, and students to discuss critical issues related to research, education, and training in this essential scientific field.

We are committed to advocating the significance of Mining Geotechnique within the CGS, the geoscience community, and adjacent disciplines, striving to enhance the understanding and appreciation of this domain at multiple levels. Our role extends to serving as an effective liaison between the CGS and other mining-related national and international organizations, fostering unity and shared purpose across borders.

Understanding the critical role of public engagement, we aim to publicize the importance of Mining Geotechnique to the Canadian public, highlighting how this field contributes to national development and prosperity. Lastly, we will actively contribute to initiatives that benefit the Mining Geotechnique community, ensuring its growth, sustainability, and relevance for future generations.

### **2) List a few specific things that your committee will be working on, or wishes to accomplish, during the next year.**

1. Collaboration to capitalize on synergies with the Canadian Dam Association (CDA): We aim to build strong relationships with other mining-related organizations and working groups. We will identify opportunities for collaboration, shared learning, and joint initiatives that will benefit the broader mining community. These collaborations promote a unified approach to addressing common challenges and opportunities in the field.
2. Strengthen Industry-Academia-Student Interaction: We plan on creating a structured forum for interaction among industry professionals, academics, and students. The objective is to stimulate discussion on current research, education trends, and training in Mining Geotechnique. By facilitating these interactions, we hope to bridge the gap between theoretical knowledge and industry practice, enhancing the learning experience for students and young professionals.
3. Awareness Campaign: The committee's long-term goal aims to launch an awareness campaign to highlight the importance of mining to adjacent disciplines, particularly for the clean energy transition. We will work on developing accessible and engaging content that can be distributed across various platforms, including social media. The goal is to increase understanding and appreciation of the role of mining in national development and prosperity.
4. Virtual Brainstorming Sessions: We are considering hosting regular virtual brainstorming sessions where members can openly discuss their ideas. These sessions will offer a platform for collaborative thought and for ideas to be shared, debated, and refined.

### **Section 2:**

#### **Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Ahlam Abdulnabi, Thurber Engineering Ltd.  
Past Chair: Thomas Pabst, Polytechnique Montreal  
Vice Chair: Scott Laberge, Barr Engineering  
Secretary: Mahmoud Ahmed, University of Alberta

### **Section 3:**

#### **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:  
None at this time.

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#### **Section 4:**

##### **Committee Finances (as of June 30, 2024)**

Account Balance (if applicable): 0 \$

Comments:

#### **Section 5:**

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

How do we encourage members to be more active contributors (i.e., play an active role) to the committee / the society? We need discussion forums and/ or organized working groups championed by members at large.

**Are you attending GeoMontreal and the annual BOD meeting? N** (Unfortunately, I will be unable to attend due to work commitment).

#### **Section 6:**

##### **Additional information or comments about activities this year:**

None at this time.

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***Professional Practice Committee  
Annual Report July 1, 2023 to June 30, 2024***

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**Committee Name: Professional Practice Committee**

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

Date of this report: 15 July 2024  
Prepared by: Seán Mac Eoin  
Committee Chair: Seán Mac Eoin  
End of Committee Chair's Term: 31 December 2024

#### **1) What is the mission statement, or main purpose, of your committee?**

The Professional Practice Committee's mandate is:

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

This has not changed.

#### **2) List a few specific things that your committee will be working on, or wishes to accomplish, during the next year.**

- Return to regular scheduled meetings
- Participate in CGS Committee & Division Check-In meetings (Chair or substitute)
- Maintain positive relationship with GBA and develop mutual benefits

- Explore options to continue to develop a relationship with AFG (Association des Firmes de Génie-Conseil) in Québec
- Continue to support Annual Conference with one Special Session (this year with the GBA)
- Establish more Working Groups to examine Professional Practice issues, delivering appropriate information, guidance, or training for CGS members
- Facilitate CGS Members' access to Case History data, and support the work of the Case Studies Collection Joint Working Group
- Continue to develop and monitor a program of initiatives at Executive Committee meetings, addressing all points of our mandate
- Contribute articles consistently to Canadian Géotechnique

## Section 2:

### **Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Seán Mac Eoin (Tetra Tech)

Past Chair: James Blatz (Trek Geotechnical and University of Manitoba)

Vice Chair: Currently vacant

Secretary: Dylan Hill (Malroz Engineering)

André Bom (Golder Associates), Bob Patrick (Retired), Imteaz Bhuiyan (City of Regina), Kristen Tappenden (Alberta Transportation and Economic Corridors), Pierre Boulanger (Tetra Tech), Roger Skirrow (Alberta Transportation and Economic Corridors), Michael Snow (Golder Associates), Sylvia Bryson (Stantec), Kent Bannister (Trek Geotechnical), Suzanne Powell (Thurber Engineering), Rob Kenyon (KGS), Jason Crowder (Grounded Engineering Inc.), and Storer Boone (Ground Rules Engineering).

## Section 3:

### **Is your committee affiliated with other organizations?**

If yes:

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

- 

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

- **Geoprofessional Business Association** (GBA formerly ASFE) - Kent Bannister & Seán Mac Eoin. MoU was signed at GeoSaskatoon 2023. Since then, regular meetings have taken place. GBA representatives has been invited to attend GeoMontreal as VIPs. Invitations have been reciprocated.

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

- None yet.

Comments:

- None

## Section 4:

### **Committee Finances (as of June 30, 2024)**

Account Balance (if applicable): N/A

Comments: The PPC will consider running events of value to CGS members to disseminate information, guidance, or training, which may raise money to fund special activities. This may, for example, meet expenses of Special Session contributors, who are not members of the CGS and enable them to attend a Conference social event.

## Section 5:

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

No

Are you attending GeoMontreal and the annual BOD meeting? Y / N Yes

**Section 6:**

**Additional information or comments about activities this year:**

- One ordinary meeting of the Committee was held.
- The Annual Meeting of the Professional Practice Committee was held during GeoSaskatoon 2023.
- Following signature of the Memorandum of Understanding during GeoSaskatoon2023, our relationship with the GBA is on a firm footing, with regular check-in meetings and the GBA arranging our Special Session at GeoMontreal2024. The GBA is also supplying articles for the Canadian Geotechnique Special Feature on Professional Practice. This relationship with the GBA – like any other – requires work, and it is working well.
- The Case Study Collection being done jointly with the Heritage Committee and now under the direction of Dr. Jennifer Day, has extracted data from ten years of CGS Annual Conference Proceedings. Consideration now turns to I.T. matters, including software and platforms, to be discussed with the CGS.

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***Sustainable Geotechnics Committee***  
***Annual Report July 1, 2023 to June 30, 2024***

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**Committee Name: Sustainable Geotechnics**

**Section 1: General**

Date of this report: July 14, 2024

Prepared by: Sumi Siddiqua

Committee Chair: Sumi Siddiqua

End of Committee Chair's Term: Dec 31, 2025

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

- 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 a few specific things that your committee will be working on, or wishes to accomplish, during the next year.**

- Organizing session for GeoMontreal
- Updating the website
- Presentation on sustainable geotechnique at the TC 307 workshop at the XVIII European Conference on Soil Mechanics and Geotechnical Engineering in Lisbon, Portugal, from **August 26th to August 30th 2024**
- Initiated collaboration with DFI and Geo-Institute

**Section 2:**

**Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Sumi Siddiqua

Past Chair: Catherine Mulligan

Vice Chair: will be decided soon

Secretary: NA

**Section 3:**

**Is your committee affiliated with other organizations?**

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) Yes

• ISSMGE TC 307

• C. Mulligan

• D. Basu

• T. Newson

Comments:

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**Section 4:**

**Committee Finances (as of June 30, 2024)**

Account Balance (if applicable): \$

Comments:

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**Section 5:**

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

**Are you attending GeoMontreal and the annual BOD meeting? Y / N**

Yes

**Section 6:**

**Additional information or comments about activities this year:**

- Joined in conversations with DFI and Geo-Institute on the topic of sustainable geotechnique
- Dr. Siddiqua presented at the "International Webinar Series on Geoenvironmental Engineering, Sustainability, and Resiliency", organized by Dept. of Civil, Materials, and Environmental Engineering, University of Illinois Chicago, USA, March 07, 2024

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***Transportation Geotechnique Committee  
Annual Report July 1, 2023 to June 30, 2024***

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**Committee Name: Transportation Geotechnique Committee**

**Section 1: General**

Date of this report: July 20, 2024

Prepared by: Harpreet Panesar

Committee Chair: Harpreet Panesar

End of Committee Chair's Term:

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

The Transportation Geotechnique Committees mission is to promote geotechnical engineering as a means of creating a resilient and sustainable transportation network.

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.

Community engagement through hosting Technical Workshops and Talks

## **Section 2:**

### **Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Harpreet Panesar, SoilRocks Consulting Inc

Past Chair: Don Lewycky, Retired

Vice Chair: Vacant

Secretary: Ahmed Mahgoub, WSP

Member at Large: Jenna Roadley, Sequent

Member at Large: Michael Van Helden, Trek Geotechnical

## **Section 3: Is your committee affiliated with other organizations?**

If yes:

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

- Harpreet Panesar - CDA

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

- 

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

- 

Comments:

- It would be helpful if CGS National can share the TGC members list with us and who else, they are affiliated with. Alternatively, if the TGC members list is provided to us we can reach out to our members to find out if they are affiliated with other organizations such that we can find common grounds and build relationships.

## **Section 4:**

### **Committee Finances (as of June 30, 2024)**

Account Balance (if applicable): Unavailable

Comments: TGC hosted Terrain Analysis workshop and currently waiting confirmation from Lisa/Bill as to the correct amount in the TGC's restricted account.

## **Section 5:**

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

**Are you attending GeoMontreal and the annual BOD meeting? Y / N - Maybe**



## Section 6:

### Additional information or comments about activities this year:

- Hosted the second Terrain Analysis Online Workshop on Feb 28, 2024, in collaboration with JDMA team, which was very successful with 62 attendees.
- LinkedIn Group Transportation Geotechnique Committee proposal was approved by the CGS National. TGC Executive will contact Emily Fournier prior to setting up our account to ensure all is in order.

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**Membership Committee**  
**Annual Report July 1, 2023 to June 30, 2024**

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### Committee Name: Membership Committee

#### Section 1: General

Date of this report: July 10, 2024

Prepared by: Vincent Castonguay & Justyna Kos-Fairless

Committee Chair: Vincent Castonguay & Justyna Kos-Fairless

End of Committee Chair's Term: December 2025

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

The mandate of the Membership Committee is to:

- Promote the CGS Membership benefits to current and future members
- Introduce additional ideas/initiatives that will build membership in the society
- Design and develop a member satisfaction process
- Support members with involvement and participation issues
- Survey geo-professionals to understand where the CGS can provide more value
- Promote volunteering opportunities

#### 2) List a few specific things that your committee will be working on, or wishes to accomplish, during the next year.

While the original plan to overhaul the CGS website that the Membership Committee had been working on was put on hold during the latter part of 2023, the Committee still intends to be involved in the development of the new website, now driven by Karma Link. The Membership committee is exploring other websites in order to gather information and develop recommendations for what a website that adds value to its members should look like. The committee is planning on holding meetings with Karma Link representatives to learn more about the CSCE's website overhaul experience.

Another initiative that the committee would like to explore, which is tied to a new website, is to facilitate access for members to volunteering opportunities.

#### Section 2:

#### **Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Justyna Kos-Fairless (Suncor) & Vincent Castonguay (AtkinsRéalis)

Past Chair: David Wood (RockDoc)

Members: Pierre-Olivier Dionne (Hydro-Québec), Ramy Saadeldin (MVCA), Eliane Cabot (Newmont)

### Section 3:

Is your committee affiliated with other organizations?

No

### Section 4:

Committee Finances (as of June 30, 2024)

None

### Section 5:

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

Are you attending GeoMontreal and the annual BOD meeting? Y / N

Yes (VC)

TBD (JKF)

### Section 6:

Additional information or comments about activities this year:

- After focusing its efforts on building a business case to overhaul the current CGS website, the Membership Committee has had to shift gears quite drastically when it was decided by the CGS EC that the website initiative would be put on hold late last year. While awaiting further direction in regards to the website overhaul, the Membership Committee has had trouble getting back into a good rhythm to hold regular meetings.

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**Young Professional Committee**  
**Annual Report July 1, 2023 to June 30, 2024**

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**Committee Name: Young Professional Committee**

#### Section 1: General

Date of this report: July 17, 2024

Prepared by: Dr. Kshama Roy

Committee Chair: Dr. Kshama Roy

End of Committee Chair's Term: December 31, 2024

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

The Young Professionals Committee at the Canadian Geotechnical Society is a professional group for early-career individuals in the geotechnical industry. Geotechnical Engineering is an integral part of Canada's infrastructure, and we are committed to building the next generation of geotechnical leaders for the industry. The CGS Young Professionals Committee thrives to expand the CGS' offering for younger members of the Society by promoting collaboration between interested parties within and outside the CGS, and by acting as a think tank to propose new and innovative ways to interact with YP members.

**Our Vision:** Building the next generation of geotechnical leaders.

**Our Mission:** Network, Knowledge, Development, Collaboration, and Impact

Network: Provide a network of peers and industry veterans  
Knowledge: Create avenues for building geotechnical knowledge  
Development: Provide access to both personal and professional development  
Collaboration: Create opportunities through collaboration with industry, academia, government and other young professional groups outside Canadian Geotechnical Society  
Impact: Articulate our vision for the future to the changing industry landscape

The Young Professionals refer to geotechnical professionals with under 10 years of experience.

**2) List a few specific things that your committee will be working on, or wishes to accomplish, during the next year.**

Please see the attached list of proposed events/initiatives for 2024-2025

**Section 2:**

**Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Dr. Kshama Roy (Inaugural Chair)

Past Chair: N/A

Vice Chair/CGS YP Rep: Dr. Silvia Nobre

Secretary & Fundraising Lead: Naveel Islam

Lead – Network & Communications: Chelsey Yesnik

Lead – Knowledge: Rajith Dayarathne

Lead – Development: Intisar Ahmed

Lead – Impact: Dr. Kamelia Atefi

Lead – Collaboration: Chelsea Burdon

Executives -at-Large: Brennan McMulin

**Section 3:**

**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)

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Comments:

•

**Section 4:**

**Committee Finances (as of June 30, 2024)**

Account Balance (if applicable): \$13397.55 (See the attached account balance)

Comments:

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**Section 5:**

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

Are you attending GeoMontreal and the annual BOD meeting? Y / N

**Section 6:**

**Additional information or comments about activities this year:**

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**Planned events & budget for 2024-25**

Prepared by: Dr. Kshama Roy, Chair, CGS YP Committee

Reviewed by: Dr. Silvia Nobre, Vice-Chair and CGS YP Rep & Mr. Naveel Islam, Secretary, CGS YP Committee

No	Event title	Tentative time	Event location	Tentative Budget (CAD)	Comment
1	Mentorship program	All the year round (February – November)	Online	\$100	Currently in progress
2	Technical webinar series	Once in a month (6 in total)	Online	\$100	Cost - \$15/event
3	Non-technical webinar series	Quarterly (3 in total)	Online	\$50	Cost - \$15/event
4	Gifts for webinar series speakers	9 in total	Physical gift (CGS YP Committee swag) through Canada post	\$500	Cost - \$50/speaker
5	In person social & panel discussion	3 (Tentative locations: Toronto, Halifax, Sudbury)	In-person	\$12000	Cost - \$4000/event
6	Canadian Geotechnical Student Competition (CGSC)	At GeoMontreal 2024	In-person	\$7000	Separate budget
7	CGS YP Committee swags	N/A	N/A	\$1000	One-time cost
8	CGS YP Committee award	N/A	N/A	\$2000	One-time cost
9	K-12 school outreach	1	In-person	\$1000	Cost - \$1000/event
10	Conference YP social	At GeoMontreal 2024	In-person	\$1000	
11	Short course	1	Online	\$3000	
12	Miscellaneous	N/A	N/A	\$750	To account for any unplanned cost
<b>Total budget for 2024 (June – December)</b>				<b>\$28500</b>	

Number	Event title	Tentative time	Event location	Tentative Budget (CAD)	Comment
1	Mentorship program	All the year round (February – November)	Online	\$200	Will be continued
2	Technical webinar series	Once in a month (12 in total)	Online	\$200	Cost - \$15/event
3	Non-technical webinar series	Quarterly (5 in total)	Online	\$100	Cost - \$15/event
4	Gifts for webinar series speakers	17 in total	Physical gift (CGS YP Committee swag) through Canada post	\$1000	Cost - \$50/speaker
5	In person social & panel discussion	5 in total (Tentative locations: TBD)	In-person	\$20000	Cost - \$4000/event
6	Canadian Geotechnical Student Competition (CGSC)	At GeoManitoba 2025	In-person	\$8000	
7	CGS YP Committee swags	N/A	N/A	\$2000	One-time cost
8	CGS YP Committee award	N/A	N/A	\$2000	One-time cost
9	K-12 school outreach	4 in total	In-person	\$4000	Cost - \$1000/event
10	Conference YP social	At GeoManitoba 2025	In-person	\$1000	
11	Short course	2	Online	\$6000	
12	Miscellaneous	N/A	N/A	\$500	To account for any unplanned cost
<b>Total budget for 2025 (January – December)</b>				<b>\$45000</b>	

**Account balance as of June 10, 2024 (To be confirmed with CGS National – Bill Reny)**

Number	Item	Raised	Used
1	CGS National seed fund	\$1000	-
2	ISSMGE Design challenge	\$1282.36	-
3	Sponsorship from In-person Calgary social	\$5500	\$2603.98
4	Sponsorship from CGSC - GeoSaskatoon	\$12050	\$10669.45
5	Sponsorship from In-person Edmonton social	\$3700	\$4117.43
6	CGS YP conference profit share	\$2381	-
7	Sponsorship from In-person Saskatoon & Winnipeg social	\$11500	\$6624.95
<b>Total raised (as of June 10, 2024)</b>		<b>\$37413.36</b>	<b>\$24015.81</b>
<b>Remaining balance (as of June 10, 2024)</b>		<b>\$13397.55</b>	

## OTHER REPORTS

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### *Geotechnical Research Board Annual Report July 1, 2023 to June 30, 2024*

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

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

Date of this report: August 12, 2024

Prepared by: Marolo Alfaro

Committee Chair: Marolo Alfaro

End of Committee Chair's Term: December 31, 2025

##### **1) What is the mission statement, or main purpose, of your committee?**

The mandate of the GRB is to monitor, stimulate, and promote research in the geotechnical and geoscience fields for the benefit of the profession and Canada.

##### **2) List a few specific things that your committee will be working on, or wishes to accomplish, during the next year.**

- Evaluation of submissions and selection of the 2025 Colloquium (name to be announced at GeoMontreal 2024).
- Organization of a GRB special session at GeoMontreal 2024 (Time and date to be determined).
- Organization of in-person GRB annual meeting at GeoMontreal 2024.

##### **Section 2:**

##### **Current (Jan 1, 2024 - Dec 31, 2024) Executive Committee Members and their Affiliations (employers or if students, universities)**

Chair: Marolo Alfaro – University of Manitoba

Past Chair: Greg Siemens – Royal Military College of Canada

Vice Chair: Paul Simms – Carleton University

Secretary: Hany El-Naggar – Dalhousie University

Total members: 14

##### **Section 3:**

##### **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 4:

##### Committee Finances (as of June 30, 2024)

Account Balance (if applicable): \$0

Comments:

•

#### Section 5:

**Do you have any specific questions or issues that you would like to bring to the attention of the Division and Committee Representative on the CGS Executive Committee? or the CGS National Office? None**

**Are you attending GeoMontreal and the annual BOD meeting? Y / N**

Y (Yes)

#### Section 6:

##### Additional information or comments about activities this year:

- Organization of a breakfast special session on NSERC Discovery Grant Application at GeoSaskatoon 2023 on Wednesday, 4 October 2023.
- Organization of in-person annual meeting at GeoSaskatoon 2023.
- Recruited 3 new members of GRB.
- Selection of the 2025 Colloquium Recipient.

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***Canadian Geotechnical Journal – Andy Take, Editor-in-Chief  
Annual Report 2023***

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***CGS News – Nicholas Beier, Editor  
Annual Report July 1, 2023 to June 30, 2024***

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In the fifth year of the *Canadian Geotechnique/Geotechnique canadienne* magazine, I have continued in my expanded role as the Editor coordinating submissions for the CGS News, the Features Section, the Geo-Interest section and working with the guest editors for the special theme sections in the magazine. I work closely with Lisa Reny (Managing Editor), Emily Fournier (CGS News Editorial Assistant), Lesia Beznaczk (Features/Geo-Interest Editorial Assistant), Bill Reny (Production Manager) and the Editorial Board, to ensure the CGS News has maintained its required content and technical articles of interest and content are regularly published. The magazine is 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.

The CGS News includes “From the Board”, “Member in the News”, and other news items in which events and activities from the various sections, divisions, committees, and Geotechnical Research Board (GRB) are highlighted. Emily Fournier provides support for the CGS News section, including copy-editing, compiling CGS board information, and coordination with the translation service. 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 GRB. 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.

Over the past year, the CGS news section 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 deserved their awards. Members submitted other citations.

The Features section (with support from Lesia Beznaczuk) has typically included 1–3 technical articles per issue submitted by the Features Editors: Cold Regions Geotechnics, Geohazards, Heritage, Instrumentation and Monitoring, Major Projects, Mine Waste Geotechnics, Professional Practice, Rock Mechanics and Rock Engineering, Canadian Foundation for Geotechnique, and Young Professionals. Geo-Interest articles have also been published in each issue and include technical or general interest articles submitted by CGS members that do not directly align with the Feature topics. For example, we had a series of Geo-Interest articles from Jim Oswell published over the past couple of years on recurring topics of interest. We are encouraging Division and Committee Chairs to coordinate with the Features editors on submitting technical articles for future issues.

Each issue of the magazine over the past year has included a special feature section containing technical articles dedicated to particular themes including the following: Climate change mitigation and adaptation; GeoSaskatoon 2023 highlights; Geotechnical Society of Edmonton; and Soil Retaining systems. A guest editor organizes these special sections that include 4-6 articles with an introduction from the guest editor. Planning for special sections into 2025 is underway with the Vancouver local section, the Soil Mechanics and Foundations Division, Geohazards committee, and the Geotechnical Business Association with case studies. Representatives interested in leading a special section in the magazine are encouraged to contact the editorial team. Please note, these sections take many months to organize and compile to ensure the articles are of suitable topic and quality.

CGS News items, Features, and Geo-Interest articles are submitted approximately 2.5 months before the publication date (Special Sections are submitted 3 months prior). Emily, Lesia and I work with the contributors to compile and edit the articles. The team at Karma-Link have developed an efficient, easy-to-follow workflow to ensure news items are received, edited and compiled in time to meet publishing deadlines. 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, and almost all news items have been printed in both French and English over the past year, including some of the technical Features articles. However, the timing of submissions is still the limiting factor. To ensure translations can be completed in a timely manner, we have pushed submission deadlines a little earlier.

Over the past few years, I presented a schedule for news item submissions for the Section, Division, Committee and the GRB chairs. I have encouraged these groups to prepare news items describing the mandates, goals and initiatives of their respective groups and members. Majority of the groups have submitted with some even submitting news items for multiple issues. I commend the representatives for participation and contributions to the CGS News section! I believe this initiative has increased CGS news contributions from the various groups and propose to continue this approach going forward. Attached in Table 1 is a draft schedule for CGS news items assignments for 2025. The schedule was based on submission timing from last year but is open for revision based on feedback from the group representatives.

The success of the magazine is due to the support and patience I received from the representatives submitting articles, the team at Karma-Link, CGS Executive Committee and the Board of Directors. Thanks to Rob Kenyon for the timely submissions of the President's Message. 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 and half months prior to the publication date.



**Table 1. Proposed CGS News item assignment for 2025 Canadian Geotechnique issues.**

Issue	Division	Committee
Spring 2025 (Due December 15)	Geosynthetics	Mining Geotechnique
	Rock Mechanics	Heritage
Summer 2025 (News Item Due March 15)	Soil Mechanics and Foundations	Young Professional Education
	Groundwater	Geohazards
Fall 2025 (News Item Due June 15)	Geoenvironmental	Transportation Geotechnique
	Geotechnical Research Board	Professional Practice
Winter 2025 (News Item Due Sept. 15)	Cold Regions Geotechnology	Sustainable Geotechnics
	Engineering Geology	Membership

**Canadian Geotechnique: Tables of Contents Fall 2023 to Summer 2024**

**Fall 2023**

**CGS News**

- Message from the President / Message du president
- News from the Sections / Nouvelles des Sections
- Committee News / Nouvelles des comités
- What is the GRB? / Qu'est-ce que le CRG ?
- Members in the News / Nouvelles de nos membres

**From The Vaults**

**Special Section – Climate Change Mitigation and Adaptation**

- Introduction
- CO2 Capture and Storage
- Foundation Decarbonization and Re-Use
- Thermal-Mechanical Response of Embankments under a Changing Climate
- Tools and Materials for Mitigating Climate Change
- Climate Change Effects on Northern Infrastructure

**Features**

- Heritage
- Instrumentation & Monitoring
- Mine Waste Geotechnics
- Young Professionals

**Geo-Interest**

- Foundation Case Study
- Geotech Research at the University of Saskatchewan
- CGS's EDI Initiatives

**Winter 2023**

**CGS News**

- Message from the President / Message du president
- Division News / Nouvelles des divisions
- Committee News / Nouvelles des comités

**From The Vaults**

## **Special Section – GeoSaskatoon 2023 Conference Highlights**

Introduction

R.F. Legget Medal & Winner

CGS Awards and Honours 2023

R.M. Hardy Keynote Address

Canadian Geotechnical Colloquium

GeoSaskatoon 2023 Best Paper Awards

### **Features**

Cold Regions Geotechnics

Heritage / Patrimoine

Instrumentation & Monitoring

### **Geo-Interest**

Canadian Geotechnical Achievements

Pipeline Geotechnique No. 5

Torpedoes and Major Charles

## **Spring 2024**

### **CGS News**

Message from the President / Message du president

From the Society / Nouvelles de la Société

Section News / Nouvelles des sections

Division News / Nouvelles des divisions

Committee News / Nouvelles des comités

### **From The Vaults**

#### **Canadian Foundation for Geotechnique: 2023 Recap**

#### **Special Section – The Geotechnical Society of Edmonton**

Introduction

Advancements in the Characterization and Forecasting for Deep Seated Landslides

Geotechnical Engineering at the University of Alberta

Condition Monitoring of Railway Track Substructure

Seán Mac Eoin, Our 2022 Stan Thomson Service Award Recipient

Best Case Study Paper Award – GeoSaskatoon 2023

### **Feature**

Heritage

Instrumentation & Monitoring

Cold Regions

Professional Practice

### **Geo-Interest**

Pipeline Geotechnique No. 6

Deep Soil Mixing

On The Bending Response of Concrete Beams

## **Summer 2024**

### **CGS News**

Message from the President / Message du president

Section News / Nouvelles de la Sections

Division News / Nouvelles des divisions

Committee News / Nouvelles des comités

## **From The Vaults**

### **Special Section – Soil Retaining Methods and Applications in Canada**

- Introduction
- History of MSE Walls
- Rock Slope Protection and Fascia Retaining Wall Construction
- Lessons Learned from a Gabion Retaining Wall
- Soil Nailing Methods and Case Study
- Stabilizing Slope Facia with Polymeric Alloy Geocell
- Temporary Shoring Case Study

### **Features**

- Instrumentation & Monitoring
- Mine Waste Geotechnics

### **Geo-Interest**

- George Goes Flying: Geotechnical Tales from Afar
- Spotlight on Young Professors
- In Memoriam
- What's Behind the "MyCGS" Curtain on the CGS Website?

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## ***EDI Task Force***

***Annual Report July 1, 2023 to June 30, 2024***

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**Task Force Name: Equity Diversity Inclusion (EDI) Task Force**

### **Section 1: General**

Date of this report: July 14, 2024  
Prepared by: Sumi Siddiqua  
Task Force Chair: Sumi Siddiqua  
End of Task Force Chair's Term: December 31, 2024

#### **1) What is the mission statement, or main purpose, of your committee?**

The EDI Task Force team has been formed to develop recommendations on how the Canadian Geotechnical Society needs to address EDI in its everyday operations, leadership, and recognition and awards.

#### **2) List a few specific things that your committee will be working on, or wishes to accomplish, during the next year.**

See Sections 5 and 6 below

### **Section 2:**

#### **Current (Jan 1, 2024 - Dec 31, 2024) Executive Task Force Members and their Affiliations (employers or if students, universities)**

Chair: Sumi Siddiqua (UBC)  
Past Chair: NA  
Vice Chair: Pooneh Maghoul (Polytechnique Montréal)  
Secretary: NA

### Section 3:

#### Is your Task Force affiliated with other organizations?

Yes, it operates in collaboration with the CGS Vice President of Communications and Member Services  
If yes:

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

- Eliane Cabot, VP Communication
- Justyna Kos-Fairless, Chair of the Membership Committee
- Vincent Castonguay, Co-Chair of the Membership Committee

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

- NA

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

- NA, but see comment below

Comment:

- Collaboration efforts with ISSMGE - Women In Engineering Group

### Section 4:

#### Committee Finances (as of June 30, 2024)

Account Balance (if applicable): \$5000

Comments:

- On going discussion to support EDI initiatives, such as webinars, workshops;
- A previous proposal (IKB Coaching, May 29, 2024) received comments and needs modifications.

### Section 5:

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

The EDI task force will provide, by December 2024, a summary of activities completed in 2024 and recommendations for the next Executive team to ensure a proper EDI succession plan.

#### Are you attending GeoMontreal and the annual BOD meeting? Y / N

Yes

### Section 6:

#### Additional information or comments about activities this year:

- Completed activities so far:
  - Task force Baseline and 2023 Annual report
  - Creation of Advisory Committee (Jean Hutchinson from Queens University, Mamadou Fall from Ottawa University, Marolo Alfaro from Manitoba University)
- Webinars:
  - Suzanne Lacasse, NGI, March 8, 2024: 12h-13hpm EST, Title: "A female engineer's career in an Equity, Diversity and Inclusion (EDI) perspective"
  - Sumi Siddiqua, UBC University, March 28, 2023, 1 pm PT, Title: Moving from Intent to Action: Proactively Creating Inclusive Workplaces

- Jean Hutchinson, Queen's University, June 20<sup>th</sup>, 2024 12h-13hpm EST, Title: Designing inclusivity into GeoEngineering to support female Engineers
- On going activities:
  - EDI data collection (Survey, CGS registration with Karma-Links)
  - Develop EDI Award and/or introduce EDI guidelines for the different CGS Awards
  - Propose EDI specific Communication Strategies (potential coaching session, TBD)
- Up coming activities:
  - GeoMTL: WIG Breakfast with Claudine Nacker
  - GeoMTL: WIG Mentoring Session with Heather Brooks
  - GeoMTL: Indigenous Panel Discussion with Kaitlyn Diederich
  - GeoMTL: EDI Interactive session on Power and Privilege presented by Sumi Siddiqua.
  - Possible Article in the CGS Magazine (Fall 2024)
  - 2024 Annual report

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## CANADIAN GEOTECHNICAL SOCIETY - AWARDS AND HONOURS 2024

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<b>R.F. Legget Medal</b>	Ian D. Moore
<b>G. Geoffrey Meyerhof Award</b> <b>Geoenvironmental Award</b> <b>Geosynthetics Award</b> <b>Robert N. Farvolden Award</b> (Joint award with IAHC-CNC) <b>John A. Franklin Award</b> <b>Robert Schuster Medal</b> (Joint award with AEG) <b>Honorary Life Member Award</b>	Hany El Naggar Sumi Siddiqua Cheng Lin Michel Ouellet  Nicholas Vlachopoulos Paul Santi  Michel Aubertin, Dennis Becker
<b>R.M. Quigley Award</b> (from the CGJ)	C.W.W. Ng, D.C. Zhang, Clarence Choi, Rui Chen, R.C.H. Koo, J.S.H. Kwan, Jun Jun Ni, K.K.S. Ho <b>Title: <i>Investigation of boulder impact resistance and energy transfer for steel baffle with footing</i></b>
<b>Honourable Mentions</b>	Adedeji Dunmola, Robert Werneiwski, Dallas McGowan, Bill Shaw, David Carrier <b>Title: <i>Geotechnical performance of fine tailings in an oil sands pit lake</i></b> Richard Bathurst and Tony Allen <b>Title: <i>LRFD calibration for soil failure limit state using the Stiffness Method</i></b>
<b>Fredlund Award</b> (from the CGJ)	Peng Xiao, Hanlong Liu, Armin W. Stuedlein, T. Matthew Evans, Yang Xiao <b>Title: <i>Effect of relative density and biocementation on cyclic response of calcareous sand</i></b>
<b>Graduate Student Presentation Award</b> <b>1<sup>st</sup> Prize</b> Sepehr Chalajour <b>2<sup>nd</sup> Prize</b> Natalie Arpin	
<b>Undergraduate Student Report (Individual)</b> <b>1<sup>st</sup> Prize</b> Ian Kennedy <b>2<sup>nd</sup> Prize</b> Paige Schotanus	
<b>Undergraduate Student Report (Group)</b> <b>1<sup>st</sup> Prize</b> Cassidy Teodoro-Neville, Emma Ste Croix, Mathew Ghirardi <b>2<sup>nd</sup> Prize</b> Katrijn Bjornson, Julia Costa, Luke Komisarski, Matthew Liew	
<b>Canadian Foundation for Geotechnique Michael Bozozuk National Graduate Scholarship</b>	Mei Lei
<b>Dennis Becker Canadian Foundation for Geotechnique M.Sc. Student Award</b>	Liam Soufi
<b>Early Achievement Award</b>	Matthew Lato
<b>A.G. Stermac Awards</b>	Ian Fleming Terry Werbovetski Andre Bom Bryce Marcotte
<b>CGS R.M. Hardy Keynote Address</b> <b>Canadian Geotechnical Colloquium</b> <b>Cross Canada Lecture Tours</b>	Pierre Vannobel Ryley Beddoe Spring 2024, Ellen Rathje Fall 2024, Jocelyn Hayley

## Awards From Engineering Institute of Canada (EIC)

Julian C. Smith Medal  
John B. Stirling Medal  
CPR Engineering Medal

Richard Bathurst  
D. Jean Hutchinson  
Harry Oussoren

Fellowship of the Institute (FEIC)  
Fellowship of the Institute (FEIC)  
Fellowship of the Institute (FEIC)  
Fellowship of the Institute (FEIC)

Mamadou Fall  
Steve Hedberg  
J. Suzanne Powell  
Ken Skaffeld

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## LA SOCIÉTÉ CANADIENNE DE GÉOTECHNIQUE – PRIX ET DISTINCTIONS 2024

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Médaille R.F. Legget

Ian D. Moore

Prix G. Geoffrey Meyerhof

Hany El Naggar

Prix Géoenvironnemental

Sumi Siddiqua

Prix Géosynthétique

Cheng Lin

Prix Robert N. Farvolden

Michel Ouellet

(Prix conjoint avec l'AIH-SNC)

Prix John A. Franklin

Nicholas Vlachopoulos

Médaille Rober Schuster

Paul Santi

(Distinction conjointe avec l'AEG)

Prix de membre honoraire à vie

Michel Aubertin, Dennis Becker

Prix R.M. Quigley (remis par la revue CGJ)

C.W.W. Ng, D.C. Zhang, Clarence Choi, Rui Chen, R.C.H. Koo, J.S.H. Kwan, Jun Jun Ni, K.K.S. Ho

**Titre : Investigation of boulder impact resistance and energy transfer for steel baffle with footing**

### Mentions honorables

Adedeji Dunmola, Robert Werneiwski, Dallas McGowan, Bill Shaw, David Carrier

**Titre : Geotechnical performance of fine tailings in an oil sands pit lake**

Richard Bathurst and Tony Allen

**Titre : LRFD calibration for soil failure limit state using the Stiffness Method**

Prix Fredlund (remis par la revue CGJ)

Peng Xiao, Hanlong Liu, Armin W. Stuedlein, T. Matthew Evans, Yang Xiao

**Titre : Effect of relative density and biocementation on cyclic response of calcareous sand**

### Prix pour étudiant gradué

1<sup>ière</sup> place Sepehr Chalajour

2<sup>ième</sup> place Natalie Arpin

### Prix pour étudiant de premier cycle (présentation individuelle)

1<sup>ière</sup> place Ian Kennedy

2<sup>ième</sup> place Paige Schotanus

### Prix des étudiants de premier cycle (présentation de groupe)

1<sup>ière</sup> place Cassidy Teodoro-Neville, Emma Ste Croix, Mathew Ghirardi

2<sup>ième</sup> place Katrijn Bjornson, Julia Costa, Luke Komisarski, Matthew Liew

Bourse nationale pour études supérieures Michael Bozozuk de la Fondation canadienne de géotechnique Mei Lei

Prix Dennis Becker pour les étudiants à la maîtrise de la Fondation canadienne de géotechnique Liam Soufi

Prix d'excellence en début de carrière Matthew Lato

**Prix A.G. Stermac**

Ian Fleming  
Terry Werbovetski  
Andre Bom  
Bryce Marcotte

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

**Colloquium canadien de géotechnique**

**La Tournée de conférences transcanadienne**

Pierre Vannobel  
Ryley Beddoe  
Printemps 2024, Ellen Rathje  
Automne 2024, Jocelyn Hayley

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

*Médaille Julian C. Smith*

*Médaille John B. Stirling*

*Médaille du chemin de fer Canadien Pacifique*

Richard Bathurst  
D. Jean Hutchinson  
Harry Oussoren

*Fellow de L'ICI*

*Fellow de L'ICI*

*Fellow de L'ICI*

*Fellow de L'ICI*

Mamadou Fall  
Steve Hedberg  
J. Suzanne Powell  
Ken Skaffeld