



Message from the President



Dharma Wijewickreme, President of Canadian Geotechnical Society

As we enter the spring of 2018, it is my pleasure to write this message and share some thoughts for your consid-

eration, along with a number of Canadian Geotechnical Society updates.

As the learned Society for geotechnical engineering and related geosciences in Canada, our key focus has been, and is, to serve our membership through various avenues such as: advancing knowledge via research and innovation, dissemination of technical and scientific knowledge, and fostering opportunities for exchange of information amongst academia, industry, and government. We continually perform very well along these lines of focus and contribute to the recognition of well qualified geo-professionals, which enables us to provide high quality professional services and geotechnical products to the society-at-large.

The assurance of quality is one of the keys to the sustainability and reliability of what we do as professionals. With ever-increasing competition in the market place, balancing the quality with cost-efficiency has long been

a key challenge and it is becoming a dominant driver. In this regard, I believe that it is timely and important for us to ask the question: “How can we help provide incentives and support to geo-professionals to deliver high quality products and services in geotechnique and justify fair and appropriate compensation in a highly competitive business environment?” It is sometimes considered that the latter “non-technical” issues should be addressed by professional licensing bodies and other similar entities, and they need not be in the purview of learned societies like the CGS. I personally believe that our Society can also contribute to this key aspect of our professional endeavours.

Our geo-profession has inherently unique attributes as we deal with earth-based materials that are highly complex, variable, and compounded with uncertainties. For example, our approaches to the design of “geotech-

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nical products” are difficult to codify, thus leading to specific challenges in assuring quality in a uniform manner across our practice; in this regard, it would be quite a challenge for instance to try to codify approaches for geotechnical site investigations! I feel that it is timely to have a conversation amongst us on these non-technical, but significant, considerations related to quality-assurance. I invite you to take a moment to think about this and let us know your thoughts.

Now, let me present a few updates with regard to our CGS activities.

We have been making further improvements on the already updated CGS website. We have introduced a more personalized **myCGS** dashboard, now in place, with newly updated user-friendly navigation panes on the website. If you have not already done so, please log onto <https://www.cgs.ca> and take a quick look. Thanks are due to **Wayne Gibson** (Director of Administration and Finance) and our Website provider pro.Net for working hard to get this task accomplished.

By the time you read this message, you should have already received the updated *Errata for the 4th edition of the Canadian Foundation Engineering Manual (CFEM)*. Another major task underway is to establish a framework for the next (online) edition of the *CFEM*; this is not a straightforward task, and it is taking a bit longer than we would have liked.

Our next Cross Canada Lecture Tour (CCLT) talks are well organized: **Dr. Tom O'Rourke** (Cornell University, Ithaca, NY) will be the spring 2018 speaker for the CCLT, and **Dr. Alex Sy** (Klohn Crippen Berger, Vancouver, BC) has kindly agreed to be the fall 2018 speaker.

Sincere thanks to **Suzanne Powell** (VP Technical) for the above *CFEM* and CCLT related organizational work. I also want express my gratitude to **Kent Bannister** (VP Finance) for his leadership on the Financial Advisory Task Force to examine the ways to

best invest the CGS' funds, and **Jean Côté** (VP Communications and Member Services) for working towards a renewed Membership Committee and Communication Strategy.

Another important task that arises periodically is to appoint new chairs for our Technical Divisions and Committees, and new Section Directors to replace the outgoing Chairs and Directors who have completed their three-year terms. In this regard, let me first take the opportunity to thank all the volunteers who stepped down at the end of 2017 for their extensive contributions to the CGS. It is my pleasure to announce that the new representatives of the Technical Divisions and Regional Sections on the Executive Committee (EC) for 2018 are **Nicholas Vlachopoulos** and **Andrea Lougheed**, respectively. Furthermore, **Maraika DeGroot** will be serving as the new CGS Young Professionals Representative on the EC. I also would like to welcome several incoming Division Chairs: **Dipanjan Basu**, **Jasmin Raymond**, **René Laprade**, **Magdalena Krol** and **Mohsen Nicksiar**; Section Directors: **Dwayne Tannant**, **Renato Macciotta**, **Leanne McLaren**, **Billy Singh**, **Michael James** and **Christopher McQueen**; and Committee Chairs, **Sumi Siddiqua** and **Thomas Pabst**. The most up to date list of all the CGS members volunteering in 2018 is published elsewhere in this issue.

As mentioned in my previous President's message, **Mario Ruel** has been named the CGS President-elect for 2018; he will become the President of the Society for the 2019-2020 term. I would like to offer my congratulations and warm welcome to Mario, who will also sit on the 2018 Executive Committee as part of serving in this new role.

The extensive and mostly time-sensitive volume of work involved in the operation of the CGS cannot be accomplished without the commitment and dedication extended by

the CGS National Office directors. I would like to express my gratitude to **Michel Aubertin** (Executive Director), **Wayne Gibson** (Director, Administration and Finance) and **Lisa McJunkin** (Director, Communications and Member Services) for their amazing contributions and support in this regard.

This is the time that the CGS requests nominations from the membership with respect to the annual awards and honours. Additional details on these nominations are presented elsewhere in this issue. Please consider nominating your deserving colleagues to be rewarded with these CGS accolades.

Our Society is well supported by generous donations from our Corporate Sponsors; I would like to take the opportunity to thank the following firms for their contributions for the Year 2018: **Advanced Construction, DownUnder Geotechnical; Geo-Slope International; GKM Consultants; Golder Associates; Insitu Contractors; Klohn Crippen Berger; Knight Piésold Consulting; Mobile Augers and Research; Naviq Consulting; Reinforced Earth; Rocscience; SoilVision, Stantec; Thurber Engineering; and Trek Geotechnical.**

I invite you to mark your calendars to attend the following CGS conferences: Geohazards 7, the 7th Canadian Geohazards Conference to be held June 3-6, 2018 in Canmore, Alberta and the 71st Annual CGS Conference GeoEdmonton to be held September 23 - 26, 2018 in Edmonton, Alberta (please visit the conference websites <http://www.geohazards7.ca> and <http://www.geoedmonton2018.ca> for more details).

I am pleased to end my March report by sharing the exciting news that **Kerry Rowe** (CGS Past President, 2001-2002) has been recognized as a new Officer in the Order of Canada. The Order of Canada is a Canadian national order that was established to pay tribute to those who exemplify

the highest qualities of citizenship and whose contributions enrich the lives of others. Specifically, for his “seminal contributions to the field of geoenvironmental engineering, notably for his pioneering research in waste barrier systems”. Congratulations and best wishes from the CGS, Kerry!

As we all know, our membership is the key to the Society’s success and strength. So, if you haven’t already done so, please visit <http://www.cgs.ca>, or contact CGS National Office (admin@cgs.ca) to renew your CGS membership for 2018.

*Provided by Dharma Wijewickreme
CGS President 2017 - 2018*

Message du président

Alors que nous amorçons la saison printanière de 2018, j’ai le plaisir d’écrire ce message pour vous faire part de quelques réflexions et de nouvelles de la Société canadienne de géotechnique (SCG).

En tant que la société savante de la géotechnique et des géosciences au Canada, notre principal objectif a été, et est toujours, de servir nos membres par divers moyens, notamment :

l’avancement des connaissances par la recherche et l’innovation, la diffusion des connaissances techniques et scientifiques et la création d’opportunités d’échange d’information entre les universités, l’industrie et le gouvernement. Nous faisons toujours bonne figure dans ces domaines et contribuons à la reconnaissance de géoprofessionnels qualifiés, ce qui nous permet d’offrir des services professionnels et des produits géotechniques de haute qualité à l’ensemble de la société.

L’assurance qualité est l’une des clés de la durabilité et de la fiabilité de ce que nous réalisons en tant que professionnels. Avec une concurrence de plus en plus vive sur le marché, l’équilibre entre la qualité et le rapport coût-efficacité est depuis longtemps un défi majeur et devient un facteur dominant. À cet égard, je crois qu’il est opportun et important pour nous de poser la question: « Comment pouvons-nous inciter et soutenir les géoprofessionnels pour qu’ils fournissent des produits et des services de haute qualité en géotechnique et justifier une rémunération juste et appropriée dans un environnement commercial hautement concurrentiel? » On considère parfois que ces questions « non techniques » devraient être traitées

par des organismes de réglementation professionnelle et d’autres entités similaires, et qu’elles ne devraient pas être du ressort de sociétés savantes comme la SCG. Je crois personnellement que notre Société peut également contribuer à cet aspect important de nos efforts professionnels.

Notre géoprofession possède des attributs intrinsèquement uniques puisque nous gérons des matériaux à base de terre qui sont extrêmement complexes et variables et qui comportent des incertitudes. Par exemple, nos approches pour la conception de « produits géotechniques » sont difficiles à codifier, ce qui entraîne des défis particuliers pour assurer la qualité d’une manière uniforme dans notre pratique; à cet égard, ce serait tout un défi en revanche d’essayer de codifier des approches pour les études géotechniques! Je crois qu’il est opportun d’avoir une conversation entre nous sur ces considérations non techniques, mais importantes, liées à l’assurance qualité. Je vous invite à prendre un moment pour y réfléchir et à nous faire part de vos réflexions.

Permettez-moi maintenant de vous présenter quelques nouvelles sur les activités de la SCG.



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Nous avons apporté d'autres améliorations au site Web de la SCG. En outre, nous avons personnalisé davantage le tableau de bord **maSCG**, qui comporte des volets de navigation conviviaux récemment mis à jour. Si vous ne l'avez pas encore fait, ouvrez une session sur le site <http://www.cgs.ca/index.php?lang=fr> et jetez-y un coup d'œil. Merci à Wayne Gibson (directeur, Administration et finances) et à notre fournisseur de site Web pro. Net d'avoir travaillé fort pour accomplir cette tâche.

Lorsque vous lirez ce message, vous devriez déjà avoir reçu la version mise à jour de l'erratum de la 4^e édition du *Manuel canadien d'ingénierie des fondations (MCIF)*. Une autre tâche importante en cours est d'établir un cadre pour la prochaine édition (en ligne) du *MCIF*; elle n'est pas simple et prend un peu plus de temps que nous l'aurions souhaité.

Nos prochaines Tournées de conférences transcanadiennes (TCT) sont organisées : le **Dr Tom O'Rourke** (Université Cornell, Ithaca, État de New York) sera le conférencier de la TCT du printemps 2018, et le **Dr Alex Sy** (Klohn Crippen Berger, Vancouver, C.-B.) a aimablement accepté d'être celui de l'automne 2018.

Sincères remerciements à **Suzanne Powell** (v.-p. technique) pour avoir organisé le travail relatif au *MCIF* et aux TCT susmentionnés. Je tiens

également à exprimer ma gratitude à **Kent Bannister** (v.-p. aux finances) pour le leadership dont il a fait preuve au sein du Groupe de travail consultatif sur les finances pour examiner les meilleurs moyens d'investir les fonds de la SCG, et à **Jean Côté** (v.-p. aux communications et aux services aux membres) pour avoir travaillé à la mise en place d'un nouveau Comité des membres et d'une nouvelle stratégie de communication.

Une autre tâche importante qui se pose périodiquement est de nommer les nouveaux directeurs des comités et divisions techniques, ainsi que les nouveaux directeurs de section, pour remplacer ceux qui terminent leur mandat de trois ans. À cet égard, permettez-moi tout d'abord de profiter de l'occasion pour remercier tous les bénévoles qui se sont retirés à la fin de l'année 2017 pour leur importante contribution à la SCG. J'ai le plaisir d'annoncer que, pour l'année 2018, les nouveaux représentants des divisions et des sections régionales au Comité exécutif (CE) sont **Nicholas Vlachopoulos** et **Andrea Lougheed**, respectivement. De plus, **Maraika DeGroot** agira à titre de nouvelle représentante des jeunes professionnels au CE. Je souhaite également la bienvenue à plusieurs nouveaux présidents de division : **Dipanjan Basu**, **Jasmin Raymond**, **René Laprade**, **Magdalena Krol** et **Mohsen Nicksiar**; aux directeurs de section : **Dwayne**

Tannant, Renato Macciotta, Leanne McLaren, Billy Singh, Michael James et **Christopher McQueen**; et aux présidents de comité : **Sumi Siddiqua** et **Thomas Pabst**. La liste la plus à jour de tous les bénévoles de la SCG en 2018 est publiée ailleurs dans ce numéro.

Comme je l'ai mentionné dans mon dernier message du président, **Mario Ruel** a été nommé président désigné de la SCG pour 2018; il deviendra président de la Société pour 2019-2020. Je tiens à féliciter et à accueillir chaleureusement M. Ruel, qui siégera également au Comité exécutif de 2018 dans le cadre de ce nouveau rôle.

Le volume de travail considérable et souvent assujéti à des contraintes de temps que comporte le fonctionnement de la SCG ne peut être accompli sans l'engagement et le dévouement des directeurs du Bureau national de la SCG. Je voudrais exprimer ma gratitude à **Michel Aubertin** (directeur général), **Wayne Gibson** (directeur, Administration et finances) et **Lisa McJunkin** (directrice, Communications et services aux membres) pour leurs remarquables contributions et leur soutien à cet égard.

C'est le moment où la SCG demande aux membres de soumettre des candidatures pour ses distinctions et prix annuels. Des renseignements supplémentaires sur ces mises en candidature sont présentés ailleurs dans ce

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numéro. N'hésitez pas à proposer la candidature de vos collègues méritants pour qu'ils soient récompensés par ces distinctions de la SCG.

Notre Société est appuyée par les généreux dons de nos commanditaires. J'aimerais profiter de l'occasion pour remercier les sociétés suivantes pour leurs contributions pour l'année 2018 : **Advanced Construction, DownUnder Geotechnical; Geo-Slope International; GKM Consultants; Golder Associates; Insitu Contractors; Klohn Crippen Berger; Knight Piésold Consulting; Mobile Augers and Research; Naviq Consulting; Reinforced Earth; Rocscience; SoilVision, Stantec; Thurber Engineering; et Trek Geotechnical.**

Je vous invite à inscrire les dates des conférences suivantes de la SCG à vos calendriers pour y participer: Geohazards 7, la 7e conférence canadienne sur les géorisques, qui aura lieu du 3 au 6 juin 2018, à Canmore, en Alberta, et la 71e conférence annuelle de la SCG, GéoEdmonton, qui se déroulera du 23 au 26 septembre, à Edmonton, en Alberta. Veuillez consulter les sites Web de ces conférences, <http://www.geohazards7.ca> et <http://www.geoedmonton2018.ca>, pour obtenir de plus amples renseignements.

Il me fait grand plaisir de terminer mon rapport de Mars en partageant l'excellente nouvelle que **Kerry Rowe** (ancien président de la SGG, 2001-2002) a été nommé Officier de l'Ordre du Canada. L'Ordre du Canada est un ordre national canadien qui a été établi pour rendre hommage à ceux et à celles qui incarnent les plus hautes qualités de la citoyenneté et dont les contributions enrichissent la vie des autres. Concrètement, pour ses « contributions déterminantes au domaine du génie géo-environnemental, notamment pour ses recherches novatrices sur les systèmes de barrière de recouvrement des déchets ». Félicitations et meilleurs vœux de la part de la SCG, M. Rowe!

Comme nous le savons tous, nos membres sont la clé du succès et de la force de la Société. Donc, si vous ne l'avez pas encore fait, veuillez consulter le site <http://www.cgs.ca/index.php?lang=fr>, ou écrire au Bureau national de la SCG (admin@cgs.ca) pour renouveler votre adhésion à la SCG pour 2018.

*Fourni par Dharma Wijewickreme
SCG Président 2017-2018*

From the Society

Call for Nominations for CGS Awards

Look around. We all know at least one geotechnical professional deserving of recognition!

The CGS wishes to again recognize the considerable contributions and achievements by geotechnical professionals in Canada and abroad in a family of awards, many of which will be presented during the Awards Ceremony at the CGS Annual Conference in Edmonton, Alberta – GeoEdmonton 2018 (September 23 to 26, 2018). Funding for many of these awards is provided by the Canadian Foundation Geotechnique, so remember to also support your Foundation! The various awards are summarized below. You can also go to www.cgs.ca/awards.php?lang=en for more information and the list of past recipients, or contact CGS Headquarters.

If you know of someone deserving of any of the CGS Awards, nominate them and send your submissions by **May 15, 2018** to the CGS National Office at:

The Canadian Geotechnical Society
8828 Pigott Road
Richmond, BC
V7A 2C4, Canada,
Fax: (604) 277-7529
E-mail: admin@cgs.ca

Nominations should include the name and contact information of the nominator, a resume or curriculum vita of the nominee, and a letter highlighting

the contributions and achievements that make the nominee a worthy candidate for that specific award. Letters of support from others, CGS members and non-members, are encouraged. If possible, nominations should include an appropriate head and shoulders photo of the nominee.

Submission details for Student Awards are available on the CGS website at www.cgs.ca/student_comp.php?lang=en, or contact **Ryley Beddoe**, Chair of the CGS Student Awards Selection Committee, at ryley.beddoe@rmc.ca

Appel de mise en candidatures pour les prix de la SCG

Regardez autour de vous. Nous connaissons tous au moins un professionnel en géotechnique méritant d'être reconnu!

La SCG souhaite de nouveau reconnaître les importantes contributions et réalisations des professionnels en géotechnique au Canada et à l'étranger, à l'aide d'un ensemble de prix, qui seront pour la plupart présentés durant la cérémonie de remise de prix lors de la conférence annuelle de la SCG à Edmonton, Alberta – GéoEdmonton 2018 (du 23 au 26 septembre 2018). La Fondation canadienne de géotechnique finance un grand nombre de ces prix, n'oubliez donc pas de soutenir également votre Fondation! Les différents prix sont résumés ci-dessous. Vous pouvez également consulter le site www.cgs.ca/awards.php?lang=fr pour obtenir de plus amples renseignements et la liste des précédents lauréats, ou communiquez avec le siège social de la SCG.

Si vous connaissez quelqu'un méritant l'un des prix de la SCG, posez sa candidature et envoyez votre soumission d'ici le **15 mai 2018** au bureau national de la SCG, à :

La Société canadienne de géotechnique
8828 Pigott Road
Richmond, C.-B.

V7A 2C4, Canada
Télécopieur : 604-277-7529
Courriel: admin@cgs.ca

Les candidatures doivent comprendre le nom et les coordonnées de la personne qui les soumettent, un curriculum vitae du candidat et une lettre soulignant les contributions et les réalisations qui font en sorte que le candidat mérite ce prix. Des lettres de recommandation d'autres personnes, qu'elles soient membres ou non de la SCG, sont les bienvenues. Si possible, les candidatures doivent inclure une photo en buste du candidat.

Les détails pour la soumission d'une candidature pour les prix pour les étudiants sont disponibles sur le site Web de la SCG, à http://www.cgs.ca/student_comp.php?lang=fr, ou communiquez avec **Ryley Beddoe**, directrice du Comité de sélection des prix pour les étudiants, à ryley.beddoe@rmc.ca

Call for Nominations for 2019 Awards and Fellowships



Engineering Institute of Canada (EIC)

As a constituent Society of the Engineering Institute of Canada (EIC), CGS members are eligible for awards and fellowships of the EIC which are summarized below. CGS members are encouraged to submit EIC nominations of fellow members to CGS Headquarters by **July 15, 2018**.

Nominations must include:

- 1) a completed EIC Nomination Form which is available from http://eic-ici.ca/honours_awards/
- 2) a nomination letter
- 3) supporting letters from colleagues, preferably Fellows of the EIC (FEIC).

Past CGS member recipients of EIC Awards and Fellowships can be found on the CGS website www.cgs.ca/awards.php?lang=en. It is recommended that nominators review the awards details and criteria prior to preparing nominations. For more information contact the CGS National Office at:

The Canadian Geotechnical Society
8828 Pigott Road
Richmond, BC
V7A 2C4, Canada,
Fax: (604) 277-7529
E-mail: admin@cgs.ca

Appel de candidatures pour les prix et médailles 2019 Institut canadien des ingénieurs (ICI)

À titre de société membre de l'Institut canadien des ingénieurs (ICI), les membres de la SCG sont admissibles aux prix et aux médailles de l'ICI décrits ci-dessous. Les membres de la SCG sont encouragés à soumettre des candidatures de collègues membres pour l'ICI au siège social de la SCG d'ici le 15 juillet 2018.

Les mises en candidature doivent inclure :

- 1) un formulaire de candidature de l'ICI dûment rempli qui est disponible sur le site http://eic-ici.ca/honours_awards/;
- 2) une lettre de mise en candidature;
- 3) des lettres de recommandation de collègues, préférablement des fellows de l'ICI.

Il est recommandé que les personnes qui soumettent des

candidatures examinent les détails et les critères des prix avant de les préparer. Pour obtenir de plus amples renseignements, communiquez avec le bureau national de la SCG à :

La Société canadienne de géotechnique
8828 Pigott Road
Richmond, C.-B.
V7A 2C4, Canada
Télécopieur : 604-277-7529
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Les noms des membres de la SCG qui ont déjà reçu des prix et des bourses de recherche de l'ICI sont affichés sur le site Web de la SCG à www.cgs.ca/awards.php?lang=fr.

Canadian Foundation for Geotechnique



Canadian Foundation for Geotechnique's 4th Legacy Donor

Mr. Charles Kwok

The Canadian Foundation for Geotechnique's Legacy Donor Program was established in 2008 to honour individuals who have donated, or who donate, \$25,000 or more to the Foundation. In 2009 the Foundation honoured its first two Legacy Donors, **Dr. Jack Mollard** and **Mr. Charles Ripley**. In 2010, **Dr. Ben Torchin-sky** was honoured as the 3rd Legacy Donor. At the GeoOttawa Conference in 2017, the Foundation was very pleased to announce the 4th and newest Legacy Donor – **Mr. Charles C. K. Kwok**, a long standing and active member of the Canadian Geotechnical Society (CGS) from Calgary, Alberta.



Charles Kwok

Mr. Kwok graduated from the Civil Engineering program at the University of Manitoba with a B.Sc. in 1982 and a M.Sc. in geotechnical engineering in 1984. He is a registered professional engineer in Alberta, British Columbia and Saskatchewan.

Mr. Kwok is a Senior Geotechnical Engineer with 35 years of experience working on a wide variety of geotechnical engineering projects. His main areas of expertise include foundation geotechnique, slope stability assessments and stabilization, retaining structures, and linear corridor assessments for a wide range of municipal, industrial and commercial projects. He also has a special interest in providing expert opinion in forensic geotechnical reviews. Mr. Kwok started his geotechnical career with Fugro Consultants in Hong Kong before starting his M.Sc. program. Immediately after graduation, he worked with ID Engineering in Winnipeg before joining Jacques Whitford in 1988. He was employed 28 years with Jacques Whitford (acquired by Stantec in 2009), based in Halifax and Ottawa before relocating to Calgary in 1997 as a Senior Project Engineer and Principal. In 2016 he joined the Calgary office of Thurber Engineering, where he currently practices.

Mr. Kwok is well known and well respected in the geotechnical engineering community in Canada. He has given freely of his time to learned

societies, in particular, the CGS. He is the recipient of the Calgary Geotechnical Society Award in 2008 and the A.G. Stermac Award from the CGS in 2012 for his outstanding service and excellent leadership as Chair of the 63rd CGS Conference in Calgary in 2010.

Mr. Kwok will be honoured by the Canadian Foundation for Geotechnique at the 71st Canadian Geotechnical Conference's Awards Banquet at GeoEdmonton in September 2018.

The following is some background to the Legacy Donor Program. Contributions can take the form of cash, stocks, securities or bequests. Contributions can be made by an individual or by a group of individuals to honour another's passing. Contributions can be targeted to one of the Foundation's existing initiatives or to the Foundation for unspecified purposes.

Legacy Donors will be honoured at a Canadian Geotechnical Conference Awards Banquet, in the Geotechnical News and on the Foundation's website. Each year, when the Foundation honours its new Legacy Donors, all previous Legacy Donors will be recounted. The amount of the contribution will never be disclosed.

*Provided by Dennis Becker
Board Member - Canadian
Foundation For Geotechnique*

2018 Michael Bozozuk National Graduate Scholarship

Dr. Kevin Biggar, President of the Canadian Foundation for Geotechnique, is pleased to announce the call for nominations for its annual **Michael Bozozuk National Graduate Scholarship**.

The \$5,000 scholarship was established by the Canadian Foundation for Geotechnique in 2007, on the occasion of the 60th Canadian Geotechnical Conference in Ottawa. The 2018 scholarship will be presented this fall at the Canadian Geotechnical Conference in Edmonton, Alberta.

Any graduate student entering or registered in a Canadian university Masters or PhD program that is directly related to an identified field of geotechnique, is eligible. Programs include geotechnical engineering, geological engineering, mining engineering, geoenvironmental engineering or geoenvironmental geoscience, engineering geology and hydrogeology. Nominees must have high academic standing and preference will be given to those who have some practical experience and are active, or show leadership, in the geotechnical community.

Nominations are limited to **one per academic department** and require a letter, accompanied by rationale, written **and signed** by the graduate supervisor. Rationale should include evidence of academic standing, research output, contributions to practice, and leadership/activity in the geotechnical community. A nomination package is limited to **five pages**. For award ceremony purposes, the nomination package should also include a digital image (300 dpi) of the nominee.

Nominations for the 2018 Scholarship will be accepted by the Selection Committee Chair, **Dr. Paul Simms** (c/o Carleton University, Department of Civil and Environmental Engineering, 1125 Colonel By Drive, Ottawa ON. K1S 5B6, telephone (613) 520 2600 ext. 2079, paul_simms@carleton.ca) up **until May 1, 2018**. If submitted by email, nominations **must be signed** by the supervisor and include the words "Canadian Foundation for Geotechnique National Graduate Scholarship" in the subject line.

For further information, refer to the Foundation's website www.cfg-fcg.ca or contact Dr. Kevin Biggar, kbiggar@telus.net

*Provided by Kevin Biggar,
President of the Canadian Foundation
for Geotechnique*

Bourse nationale pour études supérieures Michael Bozozuk 2018 de la Fondation canadienne de géotechnique

Le Dr Kevin Biggar, président de la Fondation canadienne de géotechnique, est heureux de lancer un appel de candidatures pour la **Bourse nationale pour études supérieures Michael Bozozuk** qui est décernée annuellement.

D'une valeur de 5 000 \$, la bourse a été établie par la Fondation Canadienne de géotechnique en 2007, lors de la 60e conférence canadienne de géotechnique qui a eu lieu à Ottawa. La bourse de 2018 sera décernée lors de la prochaine conférence canadienne de géotechnique, qui aura lieu dans la ville de Edmonton, AB cet automne.

Tout étudiant diplômé qui s'inscrit ou est inscrit dans un programme d'une université canadienne de maîtrise ou de doctorat directement lié à un domaine de la géotechnique est admissible. Au nombre de ces programmes, mentionnons le génie géotechnique (mécanique des sols ou des roches), les génies civil, géologique et des mines, le génie géo-environnemental ou la science géo-environnementale, la géologie de l'ingénieur et l'hydrogéologie. Les candidats doivent avoir des notes élevées. La préférence sera accordée à ceux qui ont de l'expérience pratique et qui sont actifs ou font preuve de leadership dans la communauté géotechnique.

Les candidatures sont limitées à **une par département**. Elles doivent être accompagnées d'une lettre et d'une justification, rédigées et signées par le directeur de thèse. La justification devrait démontrer le bon rendement académique du candidat, ainsi qu'une description de ses résultats de recherche, de ses contributions à la pratique et de son leadership ou de ses activités dans la communauté géotechnique. Un dossier de candidature est limité à **cinq pages**. Aux fins de la cérémonie de remise, le dossier de candidature

devrait aussi comprendre une image numérique (300 ppp) du candidat.

Les candidatures présentées pour la bourse de 2018 seront acceptées par le président du Comité de sélection de la bourse de la Société canadienne de géotechnique, le Dr Paul Simms (a.s. de: Université Carleton, Département de génie civil et environnemental, 1125, chemin Colonel By, Ottawa, ON K1S 5B6, téléphone 613-520-2600, poste 2079, paul_simms@carleton.ca) **jusqu'au 1er mai 2018**. Les dossiers de candidature envoyés par courriel **doivent être signés** par le directeur de thèse et comprendre la mention « Bourse nationale pour études supérieures de la Fondation canadienne de géotechnique » dans la ligne objet.

Pour plus de renseignements, consultez le site Web de la Fondation, à www.cfg-fcg.ca, ou communiquez avec le Dr Kevin Biggar à kbiggar@telus.net

*Fourni par Kevin Biggar,
Président de la Fondation canadienne de géotechnique*

CGS Membership Registration for 2018

If you haven't already renewed your Canadian Geotechnical Society membership for 2018, or want to join, now's the time. There are no increases in membership fees for 2018. Please visit www.cgs.ca for more details.

Membership benefits include:

- online access to the monthly Canadian Geotechnical Journal, including all past issues, and special price for the printed Canadian Geotechnical Journal
- online and printed copies of the quarterly Geotechnical News, including CGS News
- the monthly electronic CGS Geotechnical Information Net
- online access to all past CGS Conference proceedings and some special lectures
- special price for all CGS conferences

- information on the spring and fall CGS Cross Country Lecture Tours
- membership in one or more of 7 CGS technical divisions and associated international societies
- involvement in one of 20 CGS local sections
- involvement in any of the 7 CGS standing committees
- involvement in THE society for all Canadian geotechnical professionals

We welcome all new and renewing members and look forward to your participation in 2018. And, we encourage you to recommend the CGS to a friend or colleague. Let's continue to improve the benefits that the CGS offers our profession.

Adhésion à la SCG pour 2018

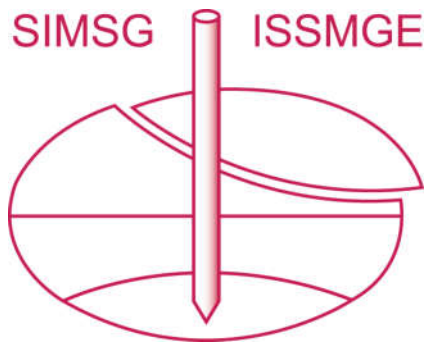
Si vous n'avez pas encore renouvelé votre adhésion à la Société canadienne de géotechnique pour 2018 ou désirez y adhérer pour la première fois... c'est le temps de le faire. Consultez la section <Devenir membre> du site <http://www.cgs.ca/index.php?lang=fr>. Il n'y a pas d'augmentation des cotisations pour 2018.

Les avantages de l'adhésion comprennent :

- un accès en ligne à la Revue canadienne de géotechnique mensuelle, y compris à ses numéros précédents, et à un tarif spécial pour sa version imprimée;
- des versions en ligne et imprimée de la publication trimestrielle Geotechnical News, qui comprend CGS News;
- le bulletin électronique mensuel Réseau de l'information géotechnique de la SCG;
- un accès en ligne à tous les comptes-rendus des précédentes conférences de la SCG et à certaines conférences spéciales;
- des prix spéciaux pour toutes les conférences de la SCG;

- de l'information sur les Tournées de conférences transcanadiennes du printemps et de l'automne de la SCG;
- une adhésion à une ou à plusieurs des sept divisions techniques de la SCG et aux sociétés internationales associées;
- une participation dans l'une des 20 sections locales de la SCG;
- une participation à l'un des sept comités techniques de la SCG;
- une participation dans LA Société pour tous les professionnels en géotechnique canadiens.

Nous souhaitons la bienvenue à tous les nouveaux membres ainsi qu'à ceux qui renouvellent leur adhésion et sommes impatients de vous voir participer en 2018. Nous vous encourageons également à recommander la SCG à un ami ou à un collègue. Nous continuons à améliorer les avantages que la SCG offre à notre profession.



Message from ISSMGE Vice-President For North America Timothy Newson

Whilst many of you may be aware of the **International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)**, you are probably less well acquainted with the day to day activities of the Society. The ISSMGE is a professional body that represents the interests and activities of global engineers, academics and contractors that actively participate in geotechnical engineering. The Society

has its roots in the First International Conference on Soil Mechanics and Foundation Engineering that was held in Harvard in 1936. This organization now provides a focus for professional practice and leadership for 90 national societies and around 20,000 individual members around the world. I recently became the Vice-President for North America for the ISSMGE for a four-year period. My mandate is to support the activities of the three North American geotechnical organizations (**Canadian Geotechnical Society, Geo-Institute of the American Society of Civil Engineers and Sociedad Mexicana de Ingeniería Geotécnica**) and I am really looking forward to serving my region in this capacity. I would like to take this opportunity to tell you a little more about the society and my aims for the next four years.

I encourage you to visit the ISSMGE website (www.issmge.org), where many of the achievements of the society are showcased. This provides the membership with information on the activities related to global geotechnical practice, including webinars, lectures and articles. The Society is very actively involved in international conferences, running and supporting specialist and larger regional conferences, such as the upcoming XVI Pan-American ISSMGE conference in Cancun in 2019. Every four years the ISSMGE also organizes the pre-eminent International Conference on Soil Mechanics and Geotechnical Engineering (ICSMGE) that many of the world's geotechnical engineers attend. This was last held in Seoul in September 2017 and the next conference is in Sydney in 2021. A recent major initiative of the ISSMGE is the implementation of an open access policy and the online library has all of the ICSMGE proceedings archived from 1936 and includes more than 10,000 conference papers that are directly available to visitors of the website.

Over 1000 individual members are also directly involved in society activities through membership of one

of the many international Technical Committees. Each technical committee is concerned with a specialist area of geotechnics, and this work leads to conferences, symposia and workshops. The society disseminates the output of these TCs through various publications and reports. A bimonthly electronic publication called the 'ISSMGE Bulletin' outlines ISSMGE news and events. The Society is also prominent on social media with a presence on Facebook, LinkedIn, Twitter and the Geoworld online platform. There is now even an ISSMGE app available for iOS devices.

During my four-year term, I would like to:

- Enhance the cooperation between our three North American societies (CGS, GI-ASCE and SMIG) and encourage regular exchange of technical information and views;
- Help the societies and committees organizing the next ISSMGE Pan-American Conference in Cancun (2019) and the speciality conferences within the region;
- Assist the functions of the technical committees in our region, with an emphasis on linking research and practice, and developing professional geotechnical resources;
- Support and foster cross-border initiatives that will lead to the improvement of technical competence and excellence of geotechnical engineers;
- Promote the attendance of young engineers and students at our regional ISSMGE events and develop other mechanisms to facilitate their interaction with their peers and mentors within academia and industry;
- Strengthen the relationships and cooperation of the ISSMGE North America region with the ISSMGE South America region for the mutual benefit of the Americas.

Please explore the ISSMGE website to get a feel for what the society offers to

our engineering community and contact me with your ideas on what the society might contribute to geotechnics in our region (tnewson@eng.uwo.ca).

Submitted by Timothy Newson
ISSMGE Vice President for North America

Upcoming Conferences and Seminars



71st Canadian Geotechnical Conference and the 13th Joint CGS/IAH-CNC Groundwater Conference September 23 to 26, 2018, Edmonton, Alberta, Canada

The Geotechnical Society of Edmonton (GSE) and the Canadian Geotechnical Society (CGS) in collaboration with the Canadian National Chapter of the International Association of Hydrogeologists (IAH-CNC), invite you to **GeoEdmonton 2018**, the 71st Canadian Geotechnical Conference and the 13th Joint CGS/IAH-CNC Groundwater Conference. The conference will be held at the Shaw Conference Centre in Edmonton, Alberta, Canada from **Sunday, September 23 to Wednesday, September 26, 2018**. This spectacular facility is one of Canada's premier conference venues and is itself a geotechnical achievement, being constructed on the flank of an active landslide overlooking Edmonton's beautiful river valley in the heart of downtown.



High Level & LRT Bridges, Edmonton, Alberta.

Edmonton was founded on the banks of the North Saskatchewan River and served as a Hudson's Bay Company trading outpost that grew to become Canada's Gateway to the North and is Alberta's Capital City. With a metro population of over 1.3 million people, Edmonton has an open and welcoming atmosphere. Also known as the Festival City, Edmonton showcases its local and international talent and diversity through various festivals like its annual Heritage Festival and the second largest Fringe Theatre Festival in the world. Boasting the longest stretch of connected urban parkland in North America and just steps from the conference venue, Edmonton is also a wonderful place to enjoy nature without leaving the city's limits.

The theme for GeoEdmonton 2018 is **Transportation Géotechnique - Moving Forward**. Much of Canada's prosperity is founded on its vast network of railways, pipelines, highways, and waterways. This conference intends to highlight recent achievements in transportation development and their associated geohazards. The technical program will cover a wide range of geotechnical and hydrogeological topics, including specialty sessions that are of local and national relevance. In addition to the technical program and plenary sessions, the conference will include a complement

of distinguished keynote speakers, five high calibre short courses, social events, and a technical tour. The official languages for the conference will be English and French.

For the latest information about the conference, please visit the conference website at <http://www.geoedmonton2018.ca>.

See you in Edmonton!

La 71e conférence canadienne de géotechnique et la 13e conférence conjointe SCG/AIH-SNC sur les eaux souterraines Du 23 au 26 septembre 2018, à Edmonton, en Alberta, au Canada

La Société géotechnique d'Edmonton (GSE) et la Société canadienne de géotechnique (SCG), en collaboration avec la section nationale canadienne de l'Association internationale des hydrogéologues (AIH-SNC), vous invite à **GéoEdmonton 2018**, la 71e conférence canadienne de géotechnique et la 13e conférence conjointe SCG/AIH-SNC sur les eaux souterraines. La conférence aura lieu au Centre des congrès Shaw à Edmonton, en Alberta, au Canada, du **dimanche 23 septembre au mercredi 26 septembre 2018**. Cet établissement spectaculaire est l'un des principaux lieux de congrès du Canada et est aussi une



Shaw Convention Centre, Edmonton, Alberta.

réalisation géotechnique, puisqu'il est construit sur le flanc d'une zone de glissement de terrain active qui surplombe la magnifique vallée fluviale d'Edmonton, au cœur du centre-ville.

Edmonton a été fondée sur les rives de la rivière Saskatchewan Nord et a servi d'avant-poste commercial de la Compagnie de la Baie d'Hudson. Elle est devenue la porte d'entrée du Canada vers le Nord et la capitale de l'Alberta. Avec une population métropolitaine de plus de 1,3 million d'habitants, Edmonton a une atmosphère chaleureuse et accueillante. Également connue sous le nom de la ville des festivals, Edmonton met en valeur son talent local et international et sa diversité par l'entremise de divers festivals, comme son Festival du patrimoine annuel et le deuxième plus important festival de théâtre expérimental (Fringe Theatre Festival) au monde. Dotée de la plus longue étendue de forêt-parc urbaine en Amérique du Nord à seulement quelques pas du lieu de la conférence, Edmonton est aussi un endroit merveilleux pour profiter de la nature sans quitter les limites de la ville.

Le thème de GéoEdmonton 2018 est **La géotechnique des transports – Ouvrir la voie**. La prospérité du

Canada repose en grande partie sur son vaste réseau de chemins de fer, de pipelines, de routes et de voies navigables. Cette conférence vise à mettre en lumière les récentes réalisations en matière de développement des transports et les géorisques qui y sont associés. Le programme technique couvrira un large éventail de sujets géotechniques et hydrogéologiques, y compris des séances spécialisées d'intérêt local et national. En plus du programme technique et des séances plénières, la conférence comprendra un éventail d'éminents conférenciers d'honneur et d'activités sociales, ainsi que cinq cours intensifs de haut calibre et une visite technique. Les langues officielles de la conférence seront le français et l'anglais.

Pour obtenir les derniers renseignements sur la conférence, veuillez consulter son site Web, à <http://www.geoedmonton2018.ca/index.php?lang=fr>.

Au plaisir de se voir à Edmonton!

**2018 Geohazards 7 Conference
June 3 to 6, 2018
Canmore, Alberta**

The CGS Geohazards Committee's specialty conference, **Geohazards 7**, will be held June 3 to 6, 2018 at the

Coast Canmore Hotel & Conference Centre in Canmore, Alberta and the call for abstracts is well underway.

Geohazards 7 will touch on the full range of hazards and risks associated with floods, debris flows, landslides, snow avalanche, earthquakes, volcanic eruptions, degrading permafrost and more. The conference will be of interest to engineering and geoscience students and consultants, industry, and government agency representatives who are involved in planning, approval, construction and operation of infrastructure and residential development in areas prone to geohazards.

More information about the conference can be found by visiting the conference website at <http://www.geohazards7.ca/>



**3rd Virtual GeoScience Conference
August 22 to 24, 2018
Kingston, Ontario, Canada**

We are excited to announce that the **3rd Virtual Geoscience Conference (VGC)** will be held in the beautiful limestone city, **Kingston, Ontario, Canada, August 22 to 24, 2018**. The 3rd VGC will again provide a meeting place for researchers, government, and industry members at the forefront of innovative research and development in close range remote sensing and computer visualization applied to the geosciences. The conference will highlight technological advancements and the latest applications of geomat-

ics and visualization tools to a broad range of geoscience problems.

The conference theme is all about multidisciplinary collaboration at the intersection of geomatics, visualization, computer vision, graphics and gaming, as well as virtual and augmented reality with applications to a range of geoscience subfields, such as geological mapping, geomorphology, geohazards, glaciology, volcanology, tunnelling, and mining.

Virtual Geoscience tools have impacted geoscience research, practice, and education. Geoscientists are increasingly using 3D geological models in favor of 2D GIS maps to better understand and model the scale and scope of projects, to communicate complex geology and engineering designs to clients and to easily inform the public on the impact of infrastructure or mining activities on their community. Tools like augmented and virtual reality are allowing new modes of interaction and with geoscience that are **immersive** and intuitive to a wide range of audiences. Recently, the use of powerful game engines has converged with geoscience research offering exciting geological process modelling opportunities. Additionally, an increasing number of close range remote sensing tools are being used to generate 3D geological models and to monitor geological processes. There are many close range techniques and a wide range of platforms allowing geology to be mapped and monitored at increasingly high spatial and temporal scales. With the increasing number of close range tools and the growth of computer visualization tools, it is of great benefit to meet and discuss the latest developments and applications.

The first two VGC conferences, held in Switzerland followed by Norway, focused on developments and applications of close range remote sensing techniques to a broad range of geoscience research including inputs to geological modelling and have brought together researchers and

practitioners interested in a novel 3D technologies. The purpose of the third conference is to again offer a multidisciplinary forum for discussing the latest developments in geomatics tools and visualization in the geosciences.

For additional information, please visit our website at <http://virtualoutcrop.com/vgc2018> or contact us at vgc2018@virtualoutcrop.com.

Members in the News

Appointment to the Order of Canada

Kerry Rowe, O.C.

Her Excellency the **Right Honourable Julie Payette**, Governor General of Canada, recently announced **125 new appointments** to the Order of Canada. Included in the list was **R. Kerry Rowe, O.C.** Kerry was appointed for his seminal contributions to the field of geoenvironmental engineering, notably for his pioneering research in waste barrier systems.

The Order of Canada was created in 1967 and is one of our country's highest civilian honours, recognizing outstanding achievement, dedication to the community and service to the nation. Close to 7,000 people from all sectors of society have been invested into the Order. Their contributions are varied, yet they have all enriched the lives of others and have taken to heart the motto of the Order: *DESIDERANTES MELIOREM PATRIAM* ("They desire a better country"). Appointments are made by the governor general on the recommendation of the Advisory Council for the Order of Canada.

2018 EIC Medals and Fellowships Seven CGS Members Recognized

The Engineering Institute of Canada has announced the recipients of the 2018 EIC Medals and Fellowships.

The CGS is very pleased to report that CGS members will receive two of the five EIC Medals, and five of the 20 EIC Fellowships.

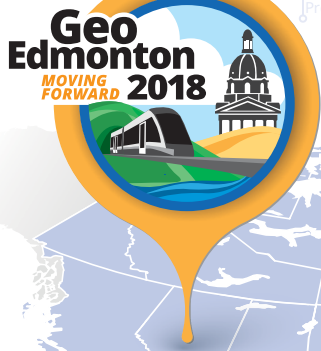
CGS members receiving 2018 EIC Medals are:

- **Delwyn Fredlund**, CGS Legget Medal Recipient (1998) and Senior Geotechnical Engineering Specialist at Golder Associates in Saskatoon, who was awarded the **K.Y. Lo Medal** "for significant engineering contributions at the international level."
- **Catherine Mulligan**, CGS VP Communications (2013-2016), Professor in the Faculty of Engineering and Computer Science at Concordia University in Montreal and Director of the Concordia Institute for Water, Energy and Sustainable Systems, who was awarded the **John B. Stirling Medal** "for leadership and distinguished service at the national level within the Institute and/or its Member Societies."

CGS members who were awarded 2018 EIC Fellowships include:

- **Kevin Biggar**, K.W. Biggar Engineering Consulting Ltd, St. Albert, AB
- **Richard Brachman**, Queen's University, Kingston, ON
- **Michel Julien**, Agnico-Eagle Mines Ltd, Toronto, ON
- **Robert Kenyon**, KGS Group, Winnipeg, MB
- **Dharma Wijewickreme**, University of British Columbia, Vancouver, BC

Since 1965 when the EIC began awarding medals and fellowships, CGS members have been awarded 64 EIC medals and 152 EIC Fellowships. The CGS would like to thank the CGS members who prepared the nominations and those who wrote letters of support. Without nominations and letters of support there would be no recipients.



71ST CANADIAN GEOTECHNICAL CONFERENCE

71^E CONFÉRENCE GÉOTECHNIQUE CANADIENNE

September 23-26 / 23-26 septembre
Edmonton, Alberta

Join us in Edmonton this September for the **Canadian Geotechnical Society's 71st annual conference** and the **13th Joint CGS/IAH-CNC Groundwater Conference**.

*The GeoEdmonton 2018 theme **Transportation Geotechnique - Moving Forward** will highlight recent achievements in transportation development and their associated geohazards. In addition to Transportation, the technical program will cover a wide range of geotechnical and hydrogeological topics.*

GeoEdmonton 2018 conference program highlights will include:

R.M. Hardy Address presented by Dr. C. Derek Martin (University of Alberta)

Darcy Lecture presented by Dr. Masaki Hayashi (University of Calgary)

Comprehensive Industry Trade Show with over 65 exhibitors

Over 600 delegates and more than 300 technical and special presentations over three days!

TENTATIVE TECHNICAL SESSIONS

PRIMARY GEOTECHNICAL

- Soil Mechanics and Foundations
- Rock Mechanics and Engineering Geology
- Landslides and Geohazards
- Mining Geotechnics and Hydrogeology
- Geoenvironmental Engineering
- Transportation Geotechnics
- Geosynthetics
- Cold Regions and Permafrost Geotechnics
- Sustainable Geotechnics
- Professional Practice

SPECIAL GEOTECHNICAL

- Peats and Soft Soils
- Light Rail Transit

- Tunnelling in Urban Environments
- Geohazards in Linear Infrastructure
- Remote Sensing and Monitoring
- In-situ Testing
- Trenchless Technology
- Risk Management in Geotechnical Projects
- Reliability Analysis for Geotechnical Design
- Dam Safety
- Shallow Geothermal Energy Exchange

HYDROGEOLOGICAL

- Mining, Energy Development and Groundwater
- Groundwater and Climate Change
- Watershed Resilience and Source Water Protection

- Groundwater Dependent Ecosystems
- Regional Characterization
- Hydrostratigraphy and Geological Modelling
- Hydrogeophysics
- Geostatistical Methods for Mapping and Modelling
- Isotopic and Geochemical Fingerprinting
- Approaches to Groundwater Management
- Transboundary Water Resources
- Outreach and Education
- General Hydrogeology
- Contaminant Hydrogeology

*The conference will be held at the **Shaw Conference Centre**, in itself a geotechnical achievement constructed on the flank of an active landslide overlooking Edmonton's beautiful river valley in the heart of downtown.*

Please see the conference web site at www.geoedmonton2018.ca for detailed conference information and to register online. Be sure to register before July 31, 2018 to take advantage of early pricing discounts!

DIAMOND SPONSORS



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2017 CGS Awards - Thomas Roy Award

Dr. Erik Eberhardt

In this and future issues of *Geotechnical News*, the 2017 CGS award recipients are being featured. In this issue, **Dr. Erik Eberhardt**, winner of the **2017 Thomas Roy Award** of the CGS's Engineering Geology Division, is highlighted.

Established in 1982, this award recognizes an individual for their excellence in the field of engineering geology, or to a group of individuals for a paper that makes a significant contribution to the advancement of engineering geology in Canada.

Erik's citation reads: "The body of work for the University of British Columbia Director of Geological Engineering, **Erik Eberhardt**, hardly needs introduction. His work on the recognition, prediction and mitigation of complex rock engineering problems, unexpected rock mass responses and failures remains at the top of the Geological Engineering field. With a proven track record of academic and professional achievement with an emphasis on risk assessment, Dr Eberhardt remains one of the most important leaders in Geological Engineering in Canada and internationally.

His leadership in this field is also distinguished by his many contributions as a researcher, practitioner and teacher with respect to both surface and underground rock engineering problems. These topics include rock slope failures in the form of massive rockslides, as well as engineered rock slopes associated with open pit mine slopes. Other significant research areas of Dr. Eberhardt's includes tunnelling, underground mining, petroleum geomechanics and nuclear waste disposal.

Previously recognized as the 2013 recipient of the John A. Franklin Award, the Canadian Geotechnical Society is now doubly honoured to award **Professor Erik Eberhardt**

with the **2017 Thomas Roy Award** for excellence in Geological Engineering."

Committee News

Sixth International Young Geotechnical Conference (iYGEC6) Dr. Jeff Oke and Andrea Lougheed

The Canadian Geotechnical Society and the Canadian Foundation for Geotechnique sponsored two distinguished young geotechnical engineers to attend the Sixth International Young Geotechnical Engineering Conference (iYGEC6) from September 16 to 17, 2017. The conference was held at the Global Education Center for Engineers at Seoul National University in Seoul, Republic of Korea. Candidates were chosen for their leadership and activity in the Canadian geotechnical community and their contribution to practice. **Jeff Oke** and **Andrea Lougheed** were selected to represent the Canadian Geotechnical Society this event.

Dr. Jeffrey Oke completed his Ph.D. studies in 2016 on the numerical, empirical, and analytical analysis of umbrella arch support systems in underground excavations at Queen's University. Since early 2015, he works as a geomechanic consultant at Mine Design Engineering Inc. Here is a short report from Jeff Oke summarizing his participation to the iYGEC6.

Report on iYGEC6

I would like to thank the Canadian Geological Society for providing me with opportunity to attend iYGEC6 in Seoul, South Korea. It was an excellent experience both personally and professionally. As I expected from such distinguished organizations, there was a strong focus was on developing relationships among participants. The social dinners and receptions were very well organized and the organizers made it a priority that during the gala, board executives would disperse

among the iYGEC6 attendees to encourage communication and relationship building between the young and "less young" (I was instructed to not use the term "old") participants. I had the privilege to be seated with a fellow Canadian, Paul Mayne of Georgia Tech, as well as Moonkyung Chung, Vice-President for International Affairs of the Korean Geotechnical Society.

One negative about the conference was the rather relaxed adherence to the posted schedule. This made it difficult to jump between parallel sessions as the presentations were not always starting at the appointed time; However, I was able to catch many of the important lectures and to contribute to the discussions.

I was also able to discuss old research topics from my thesis, which allowed me to acquire a reference that I could not find at my university. Most importantly, I met a participant who indicated that he had in fact read my thesis, by his own choice! When I informed my spouse about this meeting, her response was a sarcastic "so he is the one". I'm almost sure that this joke was to ease the tension she was feeling over the political issues that were occurring during the conference.

Leading up to the conference, I was following the news to assure myself that North Korea and the United States were not about to break out into open hostilities. As a graduate from the Royal Military College of Canada, my many military friends tried to reassure us that they thought that both countries would continue to behave themselves and that nothing was going to happen. When discussing this issue with South Koreans we meet on the way to Seoul and during the conference, they all responded in the same way. They had all grown up with this type of rhetoric from North Korea and the constant threats, but no real action from the north. To them, it was just another day. This reassured both my spouse and

myself, as we were still quite apprehensive about our safety during the trip. It made me truly thankful for having grown up in such a stable country as Canada and its safe political environment. Even more was knowing that my kids will get probably get to enjoy the same security.

So once again, thank you CGS (Canadian Foundation for Geotechnique and the Education Committee) for providing me with this life changing experience.

*Submitted by Dr. Jeff Oke
CGS iYGEC6 Participant*

2018 BOARD OF DIRECTORS, COMMITTEE CHAIRS, OTHER POSITIONS AND HEADQUAR- TERS / MEMBRES DU CON- SEIL D'ADMINISTRATION ET DU PERSONNEL DU SIÈGE SOCIAL, PRÉSIDENTS DES COMITÉS ET PERSONNES OC- CUPANT D'AUTRES POSTES EN 2018

The information on the following tables was current at the time of preparation, but individuals and their contact information may change over the course of the year. The most current contact information for the various positions shown below is located

on the CGS website at <http://www.cgs.ca/index.php?lang=en&>.

Les renseignements ci-dessous étaient à jour au moment où ils ont été préparés, mais les personnes et leurs coordonnées peuvent changer au cours de l'année. Vous trouvez les plus récentes coordonnées pour les différents postes présentés ci-dessous sur le site Web de la SCG, à <http://www.cgs.ca/index.php?lang=fr&>.

Editor

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Prix pour les membres
de la SCG : 200,00 \$CDN
Prix pour les étudiants :
135,00 \$CDN

The CFEM (2006) was prepared by a team of 17 contributors to keep abreast of current state-of-practice and to provide a consistent and up-to-date cross-reference to the National Building Code of Canada (NBCC2005) and the Canadian Highway Bridge Design Code (CHBDC 2000 and 2005), enabling the user to interpret the intent and performance requirements of these codes.

Le MCIF est désormais disponible en français. Pour rester au fait de l'état actuel de la pratique et fournir des renvois cohérents et à jour au Code national du bâtiment du Canada (CNBC 2005) et au Code canadien sur le calcul des ponts routiers (à CCCPR 2000 et 2005), une équipe de 17 experts a préparé le MCIF 2013.

Publications of the Canadian Geotechnical Society

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BiTech Publishers Ltd.

www.geotechnicalnews.com



Award of Honour	Brief Description/Comments
CGS Society Awards	
Legget Medal	For significant lifelong contribution to the geotechnical field in Canada. The most senior and prestigious CGS award.
RM Quigley Award	For the best paper published in Canadian Geotechnical Journal in the preceding year. Two runners-up are also recognized. CGS membership is not required.
Honorary Life Member	For longstanding exemplary service to the CGS, and/or exemplary technical contributions to the geotechnical field in Canada or abroad. Only awarded occasionally.
CGS Division Awards	
G. Geoffrey Meyerhof Award	Soil Mechanics & Foundation Division. For outstanding contribution to soil mechanics and foundation engineering.
Thomas Roy Award	Engineering Geology Division. For outstanding contribution (publication or otherwise) to engineering geology.
Roger JE Brown Award	Cold Regions Geotechnology Division. For outstanding contribution (publication or otherwise) to permafrost science or engineering. Awarded biannually.
John A Franklin Award	Rock Mechanics Division. For outstanding publication in rock mechanics and/or rock engineering. Awarded biannually. Not awarded in 2018.
Geosynthetics Award	Geosynthetics Division. For outstanding publication in the application of geosynthetics to civil, geotechnical or geoenvironmental engineering. Awarded biannually.
Geoenvironmental Award	Geoenvironmental Division. For outstanding contribution (publication or otherwise) in geoenvironmental engineering. Awarded biannually.
Joint Awards	
Robert N Farvolden Award	Joint award of the CGS Groundwater Division and the International Association of Hydrogeologists Canadian National Chapter. For outstanding contributions by an individual or group to the disciplines of earth science or engineering that emphasize the role or importance of groundwater.
Schuster Medal	Joint award of the CGS Geohazards Committee and Engineering Geology Division and the Association of Environmental and Engineering Geologists. For outstanding contribution to geohazards research in North America. Awarded biannually to a CGS member.
CGS Student Awards	
Graduate Presentation	For best 15-minute technical presentation on video submitted by a graduate student at a Canadian university. One runner-up is also recognized. CGS membership is not required.
Undergraduate Individual Report	For best undergraduate student report by an individual in Canada. One runner-up is also recognized. CGS membership is not required.
Undergraduate Group Report	For best undergraduate student report by a group in Canada. One runner-up is also recognized. CGS membership is not required.
CGS Service Awards	
AG Stermac Award	For outstanding service to the CGS by a member at the local, national or international level. More than one award can be presented each year.
Certificates of Appreciation	For deserving CGS members recognized by the President or others as having contributed noteworthy service to the CGS.

Prix ou distinction	Courte description/Commentaires
Prix de la SCG	
Médaille Legget	Pour avoir contribué de manière importante au domaine de la géotechnique au Canada tout au long de sa vie. Le plus prestigieux prix de la SCG.
R.M. Quigley	Pour le meilleur article publié dans la Revue canadienne de géotechnique durant l'année précédente. Deux finalistes sont également reconnus. Il n'est pas nécessaire d'être membre de la SCG.
Membre honoraire à vie	Pour un service exemplaire de longue date à la SCG et/ou des contributions techniques incomparables au domaine de la géotechnique au Canada ou à l'étranger. Décerné occasionnellement seulement.
Prix des divisions de la SCG	
Prix G. Geoffrey Meyerhof	Division de la mécanique des sols et des fondations – Pour une contribution exceptionnelle au domaine de la mécanique des sols et de l'ingénierie des fondations.
Prix Thomas Roy	Division de la géologie de l'ingénieur – Pour une contribution exceptionnelle (dans une publication ou autrement) au domaine de la géologie de l'ingénieur.
Prix Roger J.E. Brown	Division de la géotechnique des régions froides – Pour une contribution exceptionnelle (dans une publication ou autrement) au domaine de l'ingénierie ou de la science du pergélisol. Décerné tous les deux ans.
Prix John A. Franklin	Division de la mécanique des roches – Pour une publication exceptionnelle sur la mécanique et/ou l'ingénierie des roches. Décerné tous les deux ans. Pas de remise en 2018
Prix de la géosynthétique	Division de la géosynthétique – Pour une publication exceptionnelle sur l'application de la géosynthétique en géotechnique, ou en génie civil ou géoenvironnemental. Décerné tous les deux ans.
Prix du géoenvironnement	Division du géoenvironnement – Pour une contribution exceptionnelle (dans une publication ou autrement) au domaine du génie géoenvironnemental. Décerné aux deux ans.
Prix communs	
Prix Robert N. Farvolden	Prix commun de la Division des eaux souterraines de la SCG et de l'International Association of Hydrogeologists – Canadian National Chapter. Pour une contribution exceptionnelle d'une personne ou d'un groupe dans les domaines des sciences de la terre et du génie qui met l'accent sur le rôle ou l'importance des eaux souterraines.
Médaille Schuster	Prix commun du Comité sur les géorisques et de la Division de la géologie de l'ingénieur de la SCG, ainsi que de l'Association of Environmental and Engineering Geologists. Pour une contribution remarquable à la recherche sur les géorisques en Amérique du Nord. Décernée tous les deux ans à un membre de la SCG.
Prix de la SCG pour les étudiants	
Présentation d'un étudiant gradué	Pour la meilleure présentation technique de 15 minutes sur vidéo soumise par un étudiant gradué d'une université canadienne. Un finaliste est également reconnu. Il n'est pas nécessaire d'être membre de la SCG.
Rapport d'un étudiant de premier cycle	Pour le meilleur rapport d'un étudiant de premier cycle au Canada. Un finaliste est également reconnu. Il n'est pas
Rapport d'un groupe d'étudiants de premier cycle	Pour le meilleur rapport d'un groupe d'étudiants de premier cycle au Canada. Un finaliste est également reconnu. Il n'est pas nécessaire d'être membre de la SCG.
Prix de service de la SCG	
Prix A.G. Stermac	Pour un service exceptionnel rendu à la SCG par un membre, au niveau local, national ou international. Plus d'un prix peut être présenté chaque année.
Certificats d'appréciation	Pour des membres méritants de la SCG reconnus par le président ou d'autres personnes pour avoir rendu un service digne de mention à la SCG.

Award of Honour	Brief Description/Comments
Sir John Kennedy Medal	For outstanding service to the profession or for noteworthy contributions to the science of engineering, or to the benefit of the EIC. EIC's most distinguished award (awarded every two years)
Julian Smith Medal	For achievement in the development of Canada; up to two medals can be awarded
John B. Stirling Medal	For leadership and distinguished service at the national level within the EIC and/or its member societies
CP Rail Engineering Medal	For leadership and service at the regional, branch and section levels by members of EIC member societies
K.Y. Lo Meda	For significant engineering contributions at the international level, such as promotion of Canadian expertise overseas; training of foreign engineers; significant service to international engineering organizations; and advancement of engineering technology recognized internationally
Fellowship of the EIC	For excellence in engineering and services to the profession and to society
Honorary Member	For non-members of the EIC and its member societies, and on occasion non-engineers, who have achieved outstanding distinction through service to engineering and the profession of engineering in Canada
Prix ou distinction	Courte description/Commentaires
Médaille Sir John Kennedy	En reconnaissance de services exceptionnels rendus à la profession d'ingénieur, ou des contributions remarquables à la science de l'ingénierie, ou au bénéfice de l'Institut. Plus prestigieux prix de l'ICI; décerné tous les deux ans.
Médaille Julian Smith	En reconnaissance des réalisations dans le développement du Canada; jusqu'à deux médailles remises chaque année.
Médaille John B. Stirling	En reconnaissance du leadership et des services rendus à l'échelle nationale à l'Institut ou à ses Sociétés Membres
Médaille CP Rail Engineering	En reconnaissance de nombreuses années de leadership et de service par les membres des sociétés au sein de l'Institut aux niveaux régional (Direction ou section); jusqu'à deux médailles remises chaque année.
Médaille K.Y. Lo	Pour des contributions remarquables au domaine de l'ingénierie au niveau international, comme la promotion de l'expertise canadienne à l'étranger, la formation d'ingénieurs étrangers, un service exceptionnel rendu à des organisations d'ingénierie internationales et l'avancement d'une technologie d'ingénierie reconnu sur la scène internationale.
Titre de Fellow	Pour l'excellence en ingénierie et des services rendus à la profession et à la société.
Membre honoraire	Pour les non-membres de l'ICI et de ses sociétés membres, et occasionnellement pour des personnes qui ne sont pas des ingénieurs, qui se méritent cette remarquable distinction en raison de services rendus au domaine de l'ingénierie et à la profession de l'ingénierie au Canada.

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