

# **The Canadian Geotechnical Society**

**La Société canadienne  
de géotechnique**



**2010**

**Annual Report / Rapport annuel**

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# CANADIAN GEOTECHNICAL SOCIETY - AWARDS AND HONOURS 2010

**R.F. Legget Award** Dennis E. Becker

**R.M. Quigley Award** Peter Robertson, "Interpretation of cone penetration tests - a unified approach." (Vol.46 (11) pp.1337-1355).

**Honourable Mention:** Alex Strouth and Erik Eberhardt, "Integrated back and forward analysis of rock slope stability and rockslide runout at Afternoon Creek, Washington." (Vol. 46, (10) pp.1116-1132).

John A. Cholewa, Richard W.I. Brachman, and Ian D. Moore, "Response of a polyvinyl chloride water pipe when transverse to an underlying pipe replaced by pipe bursting." (Vol. 46 (11) pp. 1258-1266).

**G. Geoffrey Meyerhof Award** Adel M. Hanna, Concordia University, Civil and Environ. Engineering, Montreal, QC  
**Thomas Roy Award** Réjean Couture, Geological Survey of Canada, Ottawa, ON

**Roger J. E. Brown Award** Lukas U. Arenson, BGC Engineering, Vancouver, BC

**John A. Franklin Award** Not scheduled for 2010

**Geoenvironmental Award** Ernest K. Yanful, Geotechnical Research Centre, Univ. of Western Ontario, London, ON

**Geosynthetics Award** Richard W.I. Brachman, Dept. Civil Engineering, Queens University, Kingston, ON

**Robert N. Farvolden Award** Robert O. van Everdingen, University of Calgary, Calgary, AB  
(Joint award with IAH-CNC)

## Graduate Student Paper Award

**1<sup>st</sup> Prize** Saman Zarnani, "Application of EPS Geofom for Seismic Buffers in Rigid Retaining Walls" Department of Civil Engineering, Queen's University, Kingston; Advisor, Dr. Richard Bathurst.

**2<sup>nd</sup> Prize** Michael Van Helden, "Enabling Probabilistic Modelling in Mainstream Practice Through Improved Simulation Techniques" Department of Civil Engineering, University of Manitoba, Winnipeg; Advisor, Dr. James Blatz.

## Undergraduate Student Report (Individual)

**1<sup>st</sup> Prize** Isaac Dennett, "Evaluation of Soil Nails for Riverbank Stabilization" Department of Civil Engineering, University of Manitoba, Winnipeg; Advisor, Dr. James Blatz.

**2<sup>nd</sup> Prize** Eric Wolinsky, "Application of Digital Signal Processing to the Measurement of Landslide Acceleration Using PIV Image Analysis" Civil Engineering, Queen's University, Kingston; Advisor, Dr. Andy Take.

## Undergraduate Student Report (Group)

**1<sup>st</sup> Prize** Catherine Hynes, Kevin Mathison, Charlie Patrick, and Matthew Weisbrod, "Design of Landslide Mitigation Alternatives for Control Section 56-02-40" Department of Civil & Geological Engineering, University of Saskatchewan, Saskatoon; Advisor, Dr. Jitendra Sharma.

**2<sup>nd</sup> Prize** Jennifer Brown and Candice Cooney, "Mapping Heat Transfer of Gas and Leachate Production at Closed Landfill Sites" Department of Geological Sciences and Geological Engineering, Queen's University, Kingston; Advisor, Mr. Steven Rose.

**Canadian Foundation for Geotechnique National Graduate Scholarship** Nelson Ferriera, University of Manitoba

## A.G. Stermac Awards

Robert P. Chapuis, (Ecole Polytechnique)

Catherine Mulligan, (Concordia University)

Siva Sivathayanan, (Carleton University)

Sai K. Vanapalli, (University of Ottawa)

**CGS R.M. Hardy Keynote Address** James M. Oswell, Naviq Consulting Inc.

**CGS Keynote Address** Not scheduled for the 2010 CGS Calgary Conference.

**MacKay Lecture** Steven V. Kokelj, Science Lead, Indian and Northern Affairs Canada, Yellowknife

**Canadian Geotechnical Colloquium** Corey R. Froese, Manager, Alberta Geological Survey, Energy Conserv. Board

**Cross Canada Lecture Tours** Don Hayley, (Spring 2010), Sarah Springman, (Fall 2010)

## AWARDS FROM ENGINEERING INSTITUTE OF CANADA (EIC)

*La Médaille Julian C. Smith Medal* Dennis Becker, Golder Associates in Calgary

*La Médaille CPR Engineering Medal* Robert P. Chapuis, Professor at École Polytechnique de Montréal

*Fellowship of the Institute (FEIC)* Donald Scott, Emeritus Professor, University of Alberta

# LA SOCIÉTÉ CANADIENNE DE GEOTECHNIQUE – DISTINCTIONS 2010

**Médaille R.F. Legget** Dennis E. Becker

**Prix R.M. Quigley** Peter Robertson. “*Interpretation of cone penetration tests - a unified approach.*” (Vol.46 (11) pp.1337-1355).

**Mention honorable** Alex Strouth and Erik Eberhardt. “*Integrated back and forward analysis of rock slope stability and rockslide runout at Afternoon Creek, Washington.*” (Vol. 46, (10) pp.1116-1132).

John A. Cholewa, Richard W.I. Brachman, and Ian D. Moore. “*Response of a polyvinyl chloride water pipe when transverse to an underlying pipe replaced by pipe bursting.*” (Vol. 46 (11) pp. 1258-1266).

**Prix G. Geoffrey Meyerhof** Adel M. Hanna, Concordia University, Civil and Environ. Engineering, Montreal, QC

**Prix Thomas Roy** Réjean Couture, Geological Survey of Canada, Ottawa, ON

**Prix Roger J. E. Brown** Lukas U. Arenson, BGC Engineering, Vancouver, BC

**Prix John A. Franklin** Pas en 2010

**Prix de la géologie de l'environnement** Ernest K. Yanful, Geotechnical Research Centre, Univ. of Western Ontario, London, ON

**Prix des matériaux géosynthétiques** Richard W.I. Brachman, Dept. Civil Engineering, Queens University, Kingston, ON

**Prix Robert N. Farnolden (Joint award with IAH-CNC)** Robert O. van Everdingen, University of Calgary, Calgary, AB

## **Prix de l'étudiant diplômé**

**1<sup>er</sup> prix** Saman Zarnani, “*Application of EPS Geofoam for Seismic Buffers in Rigid Retaining Walls*” Department of Civil Engineering, Queen’s University, Kingston; Advisor, Dr. Richard Bathurst.

**2<sup>e</sup> prix** Michael Van Helden, “*Enabling Probabilistic Modelling in Mainstream Practice Through Improved Simulation Techniques*” Department of Civil Engineering, University of Manitoba, Winnipeg; Advisor, Dr. James Blatz.

## **Prix de l'étudiant non-diplômé, présentation individuelle**

**1<sup>er</sup> prix** Isaac Dennett, “*Evaluation of Soil Nails for Riverbank Stabilization*” Department of Civil Engineering, University of Manitoba, Winnipeg; Advisor, Dr. James Blatz.

**2<sup>e</sup> prix** Eric Wolinsky, “*Application of Digital Signal Processing to the Measurement of Landslide Acceleration Using PIV Image Analysis*” Civil Engineering, Queen’s University, Kingston; Advisor, Dr. Andy Take.

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

**1<sup>er</sup> prix** Catherine Hynes, Kevin Mathison, Charlie Patrick, and Matthew Weisbrod, “*Design of Landslide Mitigation Alternatives for Control Section 56-02-40*” Department of Civil & Geological Engineering, University of Saskatchewan, Saskatoon; Advisor, Dr. Jitendra Sharma.

**2<sup>e</sup> prix** Jennifer Brown and Candice Cooney, “*Mapping Heat Transfer of Gas and Leachate Production at Closed Landfill Sites*” Department of Geological Sciences and Geological Engineering, Queen’s University, Kingston; Advisor, Mr. Steven Rose.

## **Canadian Foundation for Geotechnique National Graduate Scholarship** Nelson Ferriera, University of Manitoba

**Prix A.G. Stermac**  
Robert P. Chapuis, (Ecole Polytechnique)  
Catherine Mulligan, (Concordia University)  
Siva Sivathayalan, (Carleton University)  
Sai K. Vanapalli, (University of Ottawa)

**Discours d'ouverture R.M. Hardy** James M. Oswell, Naviq Consulting Inc.

**Exposé d'orientation de CGS** Non programmé pour la conférence de 2010 CGS Calgary.

**Conférence de MacKay** Steven V. Kokelj, Science Lead, Indian and Northern Affairs Canada, Yellowknife

**Colloque géotechnique canadien** Corey R. Froese, Manager, Alberta Geological Survey, Energy Conserv. Board

**Excursions de conférence en travers du Canada** Don Hayley, (Spring 2010), Sarah Springman, (Fall 2010)

## **INSTITUT CANADIEN DES INGÉNIEURS (ICI)**

*La Médaille Julian C. Smith Medal*

*La Médaille CPR Engineering Medal*

*Camaraderie de l'institut*

Dennis Becker, Golder Associates, Calgary

Robert P. Chapuis, Professeur École Polytechnique de Montréal

Donald Scott, Professeur honoraire, University of Alberta

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

**DIRECTORS, COMMITTEE CHAIRS, SECRETARIAT, 2010  
DIRECTEURS, PRÉSIDENTS DES COMITÉS, SecrÉTARIAT**

Terms end December 31 in the year shown.

**President** 2010

**Président**

**Michel Aubertin, ing.**

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Montreal, QC H3C 3A7  
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**Vice President Technical** 2010

**Vice Président Technique**

**Doug Stead, P.Eng.**

FRBC Chair, Resource Geoscience and  
Geotechnics, Department of Earth Sciences  
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**Vice President Financial** 2010

**Vice Président aux Finances**

**Donald M. Lewycky, P.Eng.**

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**Vice-President Communications** 2010

**Vice Président aux Communications**

**Stéphanie Perret, ing.**

Groupe SMi  
740, Galt Ouest  
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Tel. 819-679-6139  
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**Chair, Geotechnical Research Board** 2010

**Président, Conseil de la recherche  
en géotechnique**

**Dieter F.E. Stolle, P.Eng.**

Civil Engineering Dept.  
McMaster University  
1280 Main Street W.  
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**DIVISION CHAIRS**

**PRÉSIDENTS DES DIVISIONS**

*3-year terms ending December 31 of year listed*

**Cold Regions Geotechnology** 2010

**Géotechnologie des régions froides**

**Ed Hoeve, P.Eng.**

EBA Engineering Consultants Ltd.  
PO Box 2244  
Yellowknife, NT X1A 2P7  
Tel. 867-766-3728 Ext 114 Fax 867-873-3324  
ehoeve@eba.ca

**Engineering Geology** 2012

**Géologie de l'ingénieur**

**Davide Elmo**

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500 - 4260 Still Creek Drive,  
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**Geoenvironmental** 2010

**Géologie de l'environnement**

**Catherine Mulligan, ing.**

Building, Civil and Environmental Engineering  
Concordia University, EV006-187  
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Montreal, QC H3G 1M8  
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mulligan@civil.concordia.ca

**Geosynthetics** 2010

**Géosynthétiques**

**Andrew Lister**

Tencate Mirafi  
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Oakville, ON L6M 2C6  
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**Hydrogeology** 2010  
**Hydrogéologie**  
**Richard E. Jackson, P.Eng.**  
INTERA Engineering Ltd.  
11 Venus Crescent  
Heidelberg, ON N0B 1Y0  
Tel: 519-699-4657  
rjackson@intera.com

**Rock Mechanics** 2011  
**Mécanique des roches**  
**Chris Hawkes, P.Geo.**  
Dept. of Civil and Geological Engineering  
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Saskatoon, SK S7N 5A9  
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chris.hawkes@usask.ca

**Soil Mechanics and Foundations** 2011  
**Mécanique des sols et des fondations**  
**Jitendra Sharma, P.Eng. \***  
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**\*Represents Technical Divisions on Executive Committee**

**SECTION DIRECTORS**  
**DIRECTEURS DES SECTIONS**  
*3-year term ending 31 December of year listed*

**British Columbia**  
**Colombie-Britannique**  
*Vancouver Geotechnical Society* 2012  
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uthaya.uthayakumar@trow.com

*Vancouver Island Geotechnical Group* 2012  
**Deyab Gamal El-Dean, P.Eng.**  
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dgamaleldean@levelton.com

*Prince George Geotechnical Group* 2012  
**Doug Dewar, P.Eng.**  
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Prince George, BC V2N 1B7  
Tel: 250-960-2055 Fax: 250-960-2002  
lldewar@spectraenergy.com

*Interior BC Geotechnical Group* 2011  
**Dwayne Tannant, P.Eng.**  
School of Engineering  
The University of British Columbia | Okanagan  
3333 University Way  
Kelowna, B.C. V1V 1V7  
Tel: 250-807-8067  
dwayne.tannant@ubc.ca

*N. Alberta, N.W. Territories, Yukon* 2010  
*Nord de l'Alberta, Terr. du Nord-Ouest et Yukon*  
*Geotechnical Society of Edmonton*  
**Dave Caughill, P.Eng.**  
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Dave\_Caughill@golder.com

*Southern Alberta* 2011  
*Sud de l'Alberta*  
*Calgary Geotechnical Group*  
**Marcia MacLellan, P.Eng.**  
Klohn Crippen Berger Ltd.  
Suite 500 - 2618 Hopewell Place NE  
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mmaclellan@klohn.com

**Saskatchewan** 2008  
*Regina Geotechnical Group and*  
*Saskatoon Geotechnical Group*  
**Lynden Penner, P.Eng., P.Geo.**  
J.D. Mollard and Associates Limited  
810 Avord Tower, 2002 Victoria Avenue  
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penner@jdmollard.com

**Manitoba** 2010  
*Winnipeg Section*  
**Marolo Alfaro, P.Eng. \***  
Department of Civil Engineering  
University of Manitoba  
Winnipeg, MB R3T 5V6  
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alfarom@cc.umanitoba.ca

**\* Represents Sections on Executive Committee**

<p><b>Eastern and Northern Ontario</b>  <b>Est et Nord de l'Ontario</b>  Ottawa Geotechnical Group  <b>Baolin Wang, P.Eng.</b>  GSC, NRCan,  601 Booth St.,  Ottawa, Ontario, K1A 0E8  Tel.613-992-8323 Fax: 613-992-0190  bwang@nrca.gc.ca</p>	<p>2012</p>	<p><b>Ouest du Québec</b>  <b>Western Quebec</b>  <b>Robert P. Chapuis, ing.</b>  Dept. of Civil, Geological and Mining Engineering  Ecole Polytechnique  P.O. Box 6079, Sta. Centre-ville  Montreal, QC H3C 3A7  Tel. 514-340-4711 Ext 4427 Fax: 514-340-4477  robert.chapuis@polymtl.ca</p>	<p>2011</p>
<p><i>Thunder Bay</i>  <b>Myint Win Bo, P.Eng., P.Geo.</b>  DST Consulting Engineers  605 Hewitson Street  Thunder Bay, ON P7B 5V5  Tel: 807-626-1312  Fax: 807-623-1792  mwinbo@dstgroup.com</p>	<p>2011</p>	<p><b>Est du Québec</b>  <b>Eastern Quebec</b>  Quebec City  <b>Didier Perret, ing.</b>  Natural Resources Canada  665 Rue Ste-Thérèse  Québec, QC G1N 1R6  Tel: 418-654-2686, Fax: 418-654-2615  dperret@nrca.gc.ca</p>	<p>2008</p>
<p><i>Kingston Group</i>  <b>Steve Rose, P.Eng., P.Geo.</b>  Malroz Engineering Inc.  308 Wellington Street, 2nd Floor  Kingston, ON K7K 7A8  Tel: 613-548-3446 Ext 22, Fax: 613-548-7975  rose@malroz.com</p>	<p>2010</p>	<p><b>Atlantic Provinces</b>  <b>Provinces de l'Atlantique</b>  Nova Scotia Chapter  <b>Dmitry Garagash</b>  Department of Civil and Resource Engineering  Dalhousie University  1360 Barrington Street, Rm 215 Bldg D  Halifax, NS B3J 1Z1  Tel: 902-494-3956  garagash@dal.ca</p>	<p>2010</p>
<p><b>Southern Ontario</b>  <b>Sud de l'Ontario</b>  Toronto Group  <b>Tae C. Kim, P.Eng.</b>  Ministry of Transportation, Ontario  Building C, Room # 232  1201 Wilson Avenue  Downsview, ON M3M 1J8  Tel: 416-235-3506, Fax: 416-235-3919  tae-c.kim@ontario.ca</p>	<p>2011</p>	<p><i>New Brunswick Chapter</i>  <b>Adrian Thompson, MIT</b>  GEMTEC Limited  77 Rooney Crescent  Moncton, NB E1E 4M4  Tel: 506-858-7180, Fax: 506-858-7180  adrian.thompson@gemtec.ca</p>	<p>2011</p>
<p><i>London Group</i>  <b>Daniel R. Babcock, P.Eng.</b>  Golder Associates Ltd.  309 Exeter Road, Unit #1  London, ON N6L 1C1  Tel: 519-652-0099, Fax: 519-652-6299  Dan_Babcock@golder.com</p>	<p>2012</p>	<p><i>Newfoundland Chapter</i>  <b>Sterling Parsons, P.Eng.</b>  Stantec  607 Torbay Road  St. John's, NL A1A 4Y6  Tel: 709-576-1458, Fax: 709-576-2126  sterling.parsons@stantec.com</p>	<p>2010</p>
<p><i>Sudbury Group</i>  <b>Nadine Miller, P.Eng</b>  AMEC Earth &amp; Environmental  131 Fielding Road  Lively, Ontario, P3Y 1L7  Tel: 705-682-2632 Fax: 705-682-2260  Nadine.Miller@amec.com</p>	<p>2012</p>		

**CHAIRS OF STANDING COMMITTEES  
LES PRÉSIDENTS DES COMITÉS PERMANENTS**

*3-year terms ending 31 December*

**Computing Committee** 2012

**Le comité sur l'informatique**

**Peijun Guo, P.Eng**

Department of Civil Engineering  
McMaster University  
1280 Main Street West  
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**Education Committee** 2010

**Le comité sur l'éducation**

**Dharma Wijewickreme, P.Eng.**

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**Heritage Committee** 2011

**Le comité Héritage**

**Jim Graham, P.Eng.**

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Tel: 204-269-0424 Fax: 204-269-0424  
jgraham@cc.umanitoba.ca

**Landslides Committee** 2010

**Le comité sur les glissements de terrain**

**Corey R. Froese, P.Eng., P.Geol.**

Energy Resources Conservation Board  
Alberta Geological Survey  
Suite 402, Twin Atria Building  
4999 - 98 Avenue  
Edmonton, AB T6B 2X3  
Tel: 780-422-1927 Fax: 780-422-1459  
corey.froese@ercb.ca

**Membership** 2010

**Le comité permanent sur l'adhésion**

**Nigel Denby, P.Eng.**

Stantec  
4370 Dominion Street, 5th Floor  
Burnaby, BC V5G 4L7  
Tel: 604-436-3014 Fax: 604-436-3752  
nigel.denby@stantec.com

**Transportation Geotechniques Committee** 2011

**Le comité sur la géotechnique des transports**

**Tim Keegan, P.Eng.**

BGC Engineering Inc.  
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Edmonton, AB, Canada, T6B 0E6  
Tel: 780-466-0538 Ext.106, Fax: 780-463-3815  
TKeegan@bgcengineering.ca

**Professional Practice** 2010

**Le comité sur la pratique professionnelle**

**Yves Cormier, P.Eng.**

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yves.cormier@stantec.com

**EX OFFICIO MEMBERS OF  
CGS BOARD OF DIRECTORS**

**President-Elect, Président-Elu** 2010

**Bryan Watts, P.Eng.**

Klohn Crippen Berger  
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**Editor Canadian Geotechnical Journal  
Le directeur de la rédaction de la Revue  
canadienne de géotechnique** from 1 April 2007

**Ian Moore, P.Eng.**

Dept. of Civil Engineering  
Ellis Hall, Queen's University  
Kingston, ON K7L 3N6  
Tel: 613-533-3160, Fax: 613-533-2128  
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**Editor, CGS News in Geotechnical News** 2012

**Le directeur de la rédaction des Nouvelles  
de la SCG**

**Phil Bruch, P.Eng.**

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## SECRETARIAT

**Secretary General**  
**Secrétaire Général**

**Victor A. Sowa, P.Eng., P.Geo.**

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**Administrateur**

**Wayne Gibson, P.Eng.**

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**Representative to Canadian Federation of Earth Sciences (CFES), (formerly Canadian Geoscience Council, CGC):**

**Michel Aubertin, ing.**

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**Representative of CSCE on CGS Board:**

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[Note: CSCE President's term ends in June. Above term starts in June 2010]

## REPRESENTATIVES ON OTHER ORGANIZATIONS

**Representative to EIC Council:**

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FRBC Chair,  
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**Representative to CSCE Board:**

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**Representative on Partnership Group for Science and Engineering:**

**Siva Sivathayalan, P.Eng.**

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**Report to CGS Members – Michel Aubertin, President  
Calgary, September 2010**

The Canadian Geotechnical Society (CGS) has continued to do well over the last year, thanks in large part to the many volunteers that devote their time to make it a successful organization. Among these, members of the Executive Committee (EC) play an important role through their monitoring of the CGS activities.

Last April, part of the EC spring meeting was devoted to a strategic planning exercise to help CGS identify the best way forward. In addition to the members of the EC — comprising the CGS President, Vice-President Technical, **Doug Stead**, Vice-President Communications, **Stéphanie Perret**, Vice-President Finance, **Don Lewycky**, and Executive Representatives for the Local Sections, **Marolo Alfaro**, and Technical Divisions, **Jitendra Sharma** — the meeting was also attended by our Secretary General, **Victor Sowa**, the CGS Administrator, **Wayne Gibson**, and the President-Elect of the Society, **Bryan Watts**. Briefly summarized, these exchanges indicated that the primary strengths of the Society lie in its strong national presence and long-standing traditions, our annual conference combining a mix of practice and research, the wide variety of disciplines represented, and its sound management. Weaknesses (and threats) have also been identified, including a negligible membership growth and the Society's relatively slow integration of new information technology. Many opportunities were mentioned including developments in fields related to oil sands and mining, and the CGS role in technical progress through its Technical Divisions. This strategic exercise, which was discussed by the Board, will serve as a foundation for moving ahead.

One of our most immediate actions consists of a complete overhaul of the CGS web site. These modifications will affect both the visual appearance of the site, its structure and its content. Members of CGS will see significant changes appearing in time for their 2011 membership renewals in November 2010. The concerns about membership growth will be addressed by a Task Force, chaired by **Richard Bathurst**.

The summary reports prepared by the Executive Committee members indicate that most of our Technical Divisions, Local Sections, and Committees are doing well. The Geotechnical Research Board (GRB) recently selected a Vice-Chair, **James Blatz**, who will take over the Chair position in 2011. The current GRB Chair, **Dieter Stolle**, will announce shortly the 2011 Colloquium speaker.

The Cross Canada Lecture Tours, local meetings and student competitions continue to be successfully managed. The Editor of the *Canadian Geotechnical Journal* (CGJ), **Ian Moore**, has informed us that important changes are ongoing within the publisher. These will affect the management and availability of the journal. The Board has expressed the desire to ensure the CGJ is available to all CGS members. *Geotechnical News*, published by BiTech Publishers Ltd., continues to provide valuable information to our members. The future of this magazine will, however, need to be assessed shortly as the agreement with the Publisher is due to be renewed.

The financial state of CGS remains strong. Nonetheless, care must be exercised to ensure long term health as some of the large revenues of recent years may not be repeated, while additional expenses can also be expected in the near future.

At the time of writing, the Calgary GEO2010 Conference was on track to be a success. In 2011, the CGS will be joining forces with the ISSMGE to host the combined 64<sup>th</sup> CGC - PanAm - PCTLGE (teaching and learning) Conference in Toronto. Many other conferences are also in various stages of planning. We hope to see you at these upcoming events in large numbers.

The Society is thus in good shape, but there are many issues that will require our attention in the future.

## **Rapport aux membres de la SCG – Michel Aubertin, président Calgary, septembre 2009**

La Société canadienne de géotechnique (SCG) a connu une autre bonne année grâce, en grande partie, à la contribution de nombreux volontaires qui se dévouent pour son succès. Parmi ceux-ci, les membres du Comité exécutif (CE) jouent un rôle important puisqu'ils font le suivi des activités de la SCG.

En avril, une partie de la réunion de ce Comité a été dédiée à un exercice de planification stratégique afin d'identifier le bon chemin à suivre pour la Société. En plus des membres du Comité – qui comprend le Président de la SCG, le Vice-président technique, **Doug Stead**, la Vice-présidente communications, **Stéphanie Perret**, le Vice-président finances, **Don Lewycky**, ainsi que les représentants exécutifs pour les Sections locales, **Marolo Alfaro**, et les Divisions techniques, **Jitendra Sharma** — la réunion a aussi impliqué le Secrétaire général, **Victor Sowa**, l'Administrateur, **Wayne Gibson**, et le Président-élu, **Bryan Watts**. Brièvement, ces échanges ont révélé que les principales forces de la Société résident dans sa présence nationale, ses traditions bien établies, sa conférence annuelle, et sa saine gestion. Des faiblesses (et menaces) ont aussi été identifiées, incluant un nombre de membres stagnant et une utilisation limitée des nouvelles technologies de l'information. Plusieurs opportunités ont été mentionnées tels les développements dans les domaines liés aux sables bitumineux et aux opérations minières, et le rôle de la Société pour favoriser les développements à travers ses Divisions techniques. Les résultats de cet exercice stratégique, qui ont été présentés au Conseil exécutif, serviront de base pour établir les initiatives à venir.

Une de nos actions immédiates porte sur la refonte complète du site web de la Société. Ces modifications affecteront l'apparence du site, sa structure et son contenu. Nos membres verront des changements significatifs en novembre 2010, lors du renouvellement de leur adhésion pour 2011. Pour sa part, la question du nombre de membres de la SCG sera traitée par un comité spécial, présidé par **Richard Bathurst**.

Les rapports synthèses préparés par les membres du Comité exécutif indiquent que la majorité des Divisions techniques, Sections locales et Comités fonctionnent bien. De son côté, le Conseil de recherche en géotechnique (*GRB*) a récemment sélectionné un Vice-président, **James Blatz**, qui prendra les commandes en 2011. Le Président actuel, **Dieter Stolle**, nous fera bientôt l'annonce du *Colloquium* 2011.

La tournée des conférences pancanadiennes, les réunions locales, et les compétitions étudiantes ont aussi connu du succès. L'Éditeur de la Revue canadienne de géotechnique (RCG), **Ian Moore**, nous a informés que des changements importants étaient en cours à la maison de publication, ce qui affectera la gestion et la disponibilité de la revue. Notre Conseil a déjà exprimé son intention de soutenir les efforts afin de maintenir la disponibilité de la RCG auprès de nos membres. Le magazine *Geotechnical News*, publié par BiTech, fournit aussi des informations utiles aux membres. L'avenir du magazine fera toutefois l'objet d'une réflexion car l'entente avec la maison de production doit être revue dans un proche avenir.

Les finances de la SCG se portent bien. Néanmoins, il faut être prudent afin d'assurer la bonne santé financière puisque certains revenus importants des dernières années pourraient ne pas être disponibles à nouveau dans le futur.

Au moment d'écrire ce message, la Conférence de Calgary GEO2010 se dirige vers un succès. En 2011, la SCG joindra ses forces à la SIMSG (*ISSMGE*) pour organiser sa 64<sup>e</sup> Conférence annuelle (*CGC - PanAm - PCTLGE Conference*) à Toronto. Plusieurs autres conférences sont aussi à l'étape de planification. Nous espérons vous y rencontrer en grand nombre.

La Société est donc en bonne santé, mais certains points demanderont une grande attention pour la suite.

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***Vice-President Technical - Doug Stead***  
***Report of Activities - July 1, 2009 to June 30, 2010***

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**Local/Regional Meetings and Short Courses/Symposia:** During the period July 1 2009 to June 30, 2010, 107 technical presentations, 1 short course and 1 symposium were held by CGS's local sections.

**CGS Sponsored, Co-Sponsored and Supported Conferences:**

The following conferences were or will be held in 2009-2010:

- 62nd Canadian Geotechnical Conference, Halifax, September 20-24, 2009
- 3rd cYGEgc, Sept 16-18, 2010, Waterton Nat. Park, AB, <http://www.geotechnical.ca/cygegc2010/>
- World Tunnel Congress 2010 (ITA): Tunnel Vision Towards, May 14-20, 2010, <http://www.wtc2010.org/> (CGS supported)
- 63rd Canadian Geotechnical Conference and 6th Canadian Permafrost Conference, Sept. 12-16, Calgary, <http://www.geo2010.ca/>
- 4th ASTM International Symposium on Contaminated Sediments, Dublin, Ireland, June 30-July 3, 2009
- 2<sup>nd</sup> Symposium on Aquitard Hydrogeology: Aquitards for Hazardous Waste Management, Ottawa, October 2010

The following conferences are planned for the next 3 years:

- Geohazards, Kelowna BC, May 15-17 2011
- 64th Canadian Geotechnical Conference, Toronto, October 2-6, 2011
- 14th ISSMGE Pan-American Conference on Soil Mechanics and Foundation Engineering and 5th Pan-American Conference on Teaching and Learning of Geotechnical Engineering, Toronto, October 2-6, 2011, <http://panam-cgc2011.ca/index.php?lang=en>
- Slope Stability 2011: International Symposium on Rock Slope Stability in Open Pit Mining and Civil Engineering, Vancouver, B.C., September 18-21., (CGS and CARMA Supported)
- Joint 11<sup>th</sup> International Symposium on Landslides/2<sup>nd</sup> North American Conference on Landslides, Banff, June 3-8 2012.
- 65th Canadian Geotechnical Conference, Winnipeg, Sept 30-Oct 3, 2012.
- 5th ASTM International Symposium on Contaminated Sediments will be held in Montreal in 2012 and will be co-chaired by C. Mulligan

**Cross Canada Lecture Tour:** The tour continues to be a cornerstone of the society, having been in existence since 1965. We have two annual tours and these tours are funded through the Canadian Foundation for Geotechnique. A very successful Fall 2009 tour was completed by Dr. Kyle Rollins of Brigham Young University, US, between October 21-31, 2009 delivering 11 lectures. Dr. Rollins presented four excellent talks on skin friction on drilled shafts in gravelly soils, lateral load analysis of pile groups based on full-scale testing, evaluation of innovative liquefaction mitigation strategies and piled foundations in liquefied soil. The spring 2010 CCLT was given by Dr. Don Hayley (EBA Engineering Consultants Ltd) and involved two presentations, "Global warming and Northern infrastructure — an update on adaptation strategies for design of foundations on permafrost" and "Design, construction and operation of dams in permafrost regions". Don's tour comprised 14 lectures between April 12 - 23, 2010. Dr. Sarah Springman, [Institut für Geotechnik, IGT, ETH Zürich](#), Switzerland will give the Fall 2010 tour. She will lecture on the Rudligen Landslide Experiment. Dr. Mark Diederichs, Queens University will be the Spring 2011 Cross Canada Lecturer. It is important to note that these tours are funded through the Canadian Foundation for Geotechnique and to acknowledge the generous support of the industry sponsors.

**Canadian Geotechnical Journal:** The journal is an important showcase for our community, publishing both international and national high quality manuscripts and maintaining its strong reputation as one of the three leading international GeoEngineering journals. The journal continues to flourish under the guidance of editor, Dr Ian Moore. We thank the members of CGS who act as Associate Editors for the journal. An important development is the transfer in 2010 of NRC Research Press Journals into a not-for-profit Canadian Company.

**CGS Divisions:** All 7 technical divisions have provided annual reports listing their activities during the period and future activities:

- Cold Regions (CRGD); Chair: Ed Hoeve (6 Committee Members)
- Engineering Geology (EGD); Chair: Davide Elmo (3 Committee Members)
- Geoenvironmental Engineering (GED); Chair: Catherine Mulligan (5 Committee Members)
- Geosynthetics (GSD); Chair: Andrew Lister (3 Committee Members)
- Hydrogeology (HGD); Chair: Richard Jackson (8 Committee Members)
- Rock Mechanics (RMD); Chair: Chris Hawkes (2 Committee Members)
- Soil Mechanics and Foundation Engineering (SMFD); Chair: Jitendra Sharma (11 Committee Members)

These divisions are generally affiliated with a specific international body in their area of specialization, and CGS members gain access to those bodies and their technical committees, conferences, and journals through division membership. We thank all 7 Division chairs and the 36 committee members for their valuable contributions. In particular we would like to thank Richard Jackson, Catherine Mulligan, Ed Hoeve and Andrew Lister who will step down as Chairs at the end of 2010. We are pleased to welcome the new Chairs, Chris Neville (Hydrogeology), Cynthia Coles (Geo-environmental) and Lukas Arenson (Cold Regions).

**CGS Technical Committees:** The society currently has 6 technical committees:  
Standing Committee on Computing; Chair: Peijun Guo (9 Committee Members)  
Standing Committee on Education; Chair: Dharma Wijewickreme (11 Committee Members)  
Standing Committee on Heritage; Chair: Jim Graham (5 Committee Members)  
Standing Committee on Landslides; Chair: Corey Froese (4 Committee Members)  
Standing Committee on Professional Practice; Chair: Yves Cormier (4 Committee Members)  
Standing Committee on Transportation Geotechnique; Chair Tom Keegan (26 Committee Members)

All 6 committees are active and have submitted written annual reports. We express our appreciation to the committee chairs and the committee members for their valuable contributions. In particular we would like to give special thanks to Dharma Wijewickreme and Yves Cormier who step down as Chairs at the end of 2010 and welcome their replacements, Greg Siemens and Kent Bannister respectively

**Canadian Geotechnical Research Board:** The Colloquium speaker for the 63rd Annual Conference, in Calgary, will be Corey Froese from the Alberta Geological Survey. The Colloquium speaker at the 64<sup>th</sup> Annual Conference in Toronto has been selected and will be announced at the CGS conference in Calgary. We would like to thank Dieter Stolle for his excellent work as GRB Chair. Dieter will step down at the end of 2010 and will be replaced by James Blatz of the University of Manitoba.

**Engineering Institute of Canada:** Several CGS members have been honoured by EIC at its annual banquet on February 27th 2010 in Ottawa. Dennis Becker received the Julian C. Smith Medal, Robert Chapuis received the Canadian Pacific Railway Medal and Don Scott was elected as a Fellow of EIC. (Note that the EIC policy is to deliver about 20 fellowships per year, and there are over 20,000 members in the 12 constituent societies). The last EIC Council meeting was held February 28th 2010 in Ottawa. Discussed items included the EIC Website, the Canadian Engineering Leadership Forum, (CELF), Archives, Honours Awards and Fellowships, HAF Committee best practices document and conferences.

**Canadian Foundation Engineering Manual:** An update of the Errata sheet for the CFEM 4 was completed and posted online dated March 15th 2010. The new errata sheet has also been photocopied to be placed in CFEM 4 hard copies sold by Bitech. The French translation of the Manual is being undertaken by Jean Lafleur, Denis Leboeuf and Paul Chiasson and is scheduled for completion in 2010.

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***Vice-président, programme technique - Doug Stead,  
Rapport d'activités - Du 1<sup>er</sup> juillet 2009 au 30 juin 2010***

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**Réunions locales/régionales et cours intensifs/symposiums :** Durant la période du 1<sup>er</sup> juillet 2009 au 30 juin 2010, 107 présentations techniques, 1 cours intensif et 1 symposium ont eu lieu dans les 20 chapitres locaux de la SCG.

### **Conférences commanditées, cocommanditées et subventionnées par la SCG :**

Les conférences suivantes ont eu lieu ou auront lieu en 2009-2010 :

- 62<sup>e</sup> conférence géotechnique canadienne, Halifax, du 20 au 24 septembre 2009;
- 3<sup>e</sup> congrès canadien des jeunes géoscientifiques et géotechniciens, du 16 au 18 septembre 2010, Parc national Waterton, Alberta, <http://www.geotechnical.ca/cygegc2010/>;
- Congrès mondial des tunnels de 2010 (ITA) : Vision 2020 pour les tunnels, du 14 au 20 mai 2010, <http://www.wtc2010.org/> (subventionné par la SCG);
- 63<sup>e</sup> conférence géotechnique canadienne et 6<sup>e</sup> conférence canadienne sur le pergélisol, du 12 au 16 septembre, Calgary, <http://www.geo2010.ca/>;
- 4<sup>e</sup> symposium international de l'ASTM sur les sédiments contaminés, Dublin, Irlande, du 30 juin au 3 juillet 2009;
- 2<sup>e</sup> symposium sur l'hydrogéologie des aquitards : Les aquitards pour la gestion des déchets dangereux, Ottawa, octobre 2010.

Pour les trois prochaines années, les conférences suivantes sont prévues :

- Géorisques, à Kelowna, C.-B., du 15 au 17 mai 2011;
- 64<sup>e</sup> conférence géotechnique canadienne, Toronto, du 2 au 6 octobre 2011;
- 14<sup>e</sup> conférence panaméricaine de la CPMSIG sur la mécanique des sols et la technique des fondations et 5<sup>e</sup> conférence panaméricaine sur l'enseignement et l'apprentissage en ingénierie géotechnique, Toronto, du 2 au 6 octobre 2011, <http://panam-cgc2011.ca/index.php?lang=fr>;
- Stabilité des pentes 2011 : symposium international sur la stabilité des pentes rocheuses dans une exploitation à ciel ouvert et le génie civil, Vancouver, C.-B., du 18 au 21 septembre, (subventionné par la SCG et l'Association canadienne de mécanique des roches);
- 11<sup>e</sup> symposium international sur les glissements de terrain /2<sup>e</sup> conférence nord-américaine sur les glissements de terrain, Banff, du 3 au 8 juin 2012;
- 65<sup>e</sup> conférence géotechnique canadienne, Winnipeg, du 30 septembre au 3 octobre 2012;
- le 5<sup>e</sup> symposium international de l'ASTM sur les sédiments contaminés se tiendra à Montréal en 2012 et sera coprésidé par C. Mulligan.

**Tournée de conférences pancanadiennes** : La tournée continue d'être une pierre angulaire de la société étant donné qu'elle existe depuis 1965. Nous avons deux tournées annuelles et ces tournées sont subventionnées par la Fondation canadienne de géotechnique. À l'automne 2009, une tournée couronnée de succès a été effectuée par Kyle Rollins (Ph. D., Université Brigham Young, aux É.-U.) entre le 21 et le 31 octobre 2009, alors qu'il a donné 11 conférences. Kyle Rollins a présenté quatre excellentes discussions concernant le frottement superficiel sur les puits forés dans les sols graveleux, l'analyse des charges latérales de groupes de pieux fondée sur un test exhaustif, l'évaluation de stratégies novatrices d'atténuation de la liquéfaction et les fondations sur pieux dans le sol liquéfié. La tournée de conférences pancanadiennes du printemps 2010 a été effectuée par Don Hayley (Ph. D., EBA Engineering Consultants Ltd) et a donné lieu à deux présentations, « Le réchauffement climatique et l'infrastructure du Nord — une mise à jour des stratégies d'adaptation pour concevoir les fondations sur le pergélisol » et « La conception, la construction et l'exploitation de barrages dans les régions de pergélisol ». La tournée de Don a été composée de 14 conférences données entre le 12 et le 23 avril 2010. Sarah Springman (Ph. D., [Institut für Geotechnik, IGT, ETH Zurich](http://www.igt.ethz.ch), Suisse) effectuera la tournée de l'automne 2010. Elle donnera des conférences sur l'expérience de déclenchement de glissement de terrain de Rudligen. Le conférencier de la tournée pancanadienne du printemps 2011 sera Mark Diederichs, Ph. D., Université Queens. Il est important de noter que ces tournées sont subventionnées par la Fondation canadienne de géotechnique et de reconnaître l'appui généreux des commanditaires de l'industrie.

**Revue canadienne de géotechnique** : La revue est une vitrine importante pour notre communauté, alors qu'elle publie des manuscrits de qualité à l'échelle internationale et nationale et qu'elle conserve une solide réputation à titre de l'une des trois revues de géotechnique de premier rang sur le plan international. La revue continue de prospérer sous l'égide du rédacteur en chef, Ian Moore, Ph. D. Nous remercions les membres de la SCG qui remplissent les fonctions de corédacteurs pour la revue. Un développement important est la transformation en 2010 des Revues des Presses scientifiques du CNRC en une société canadienne sans but lucratif.

**Divisions de la SCG** : Les 7 divisions techniques ont remis des rapports annuels énumérant les activités réalisées durant la période et prévues ultérieurement;

- Régions froides; président : Ed Hoeve (6 membres du comité)
- Géotechnique; président : Davide Elmo (3 membres du comité)
- Ingénierie géoenvironnementale; présidente : Catherine Mulligan (5 membres du comité)
- Géosynthétique; président : Andrew Lister (3 membres du comité)
- Hydrogéologie; président : Richard Jackson (8 membres du comité)
- Mécaniques des roches; président : Chris Hawkes (2 membres du comité)
- Mécaniques des sols et Génie des fondations; président : Jitendra Sharma (11 membres du comité)

Ces divisions sont affiliées généralement à un organisme international spécifique dans leur domaine de spécialisation, et les membres de la SCG accèdent à ces organismes et à leurs comités techniques, à leurs conférences et à leurs revues grâce à l'affiliation des divisions. Nous remercions tous les présidents des divisions et les 36 membres des comités pour leurs précieuses contributions. En particulier, nous aimerions remercier Richard Jackson, Catherine Mulligan, Ed Hoeve et Andrew Lister dont les mandats à titre de présidents se termineront à la fin de 2010. Nous sommes heureux d'accueillir les nouveaux présidents, Chris Neville (Hydrogéologie), Cynthia Coles (Ingénierie géoenvironnementale) et Lukas Arenson (Régions froides).

**Comités techniques de la SCG** : La société a actuellement 6 comités techniques :

- Comité permanent sur l'Informatique; président : Peijun Guo (9 membres du comité)
- Comité permanent sur l'Éducation; président : Dharma Wijewickreme (11 membres du comité)
- Comité permanent sur le Patrimoine; président : Jim Graham (5 membres du comité)
- Comité permanent sur les Glissements de terrain; président : Corey Froese (4 membres du comité)
- Comité permanent sur la Pratique professionnelle; président : Yves Cormier (4 membres du comité)
- Comité permanent sur les Transports géotechniques; président : Tom Keegan (26 membres du comité)

Tous les 6 comités sont actifs et ont soumis des rapports écrits semestriels. Nous exprimons notre appréciation envers les présidents des comités et leurs membres pour leurs précieuses contributions. En particulier, nous aimerions transmettre nos remerciements particuliers à Dharma Wijewickreme et à Yves Cormier qui termineront leurs mandats à titre de présidents à la fin de 2010 et accueillir leurs remplaçants, Greg Siemens et Kent Bannister respectivement.

**Conseil canadien de recherche en géotechnique** : Le conférencier du colloque de la 63<sup>e</sup> conférence annuelle ayant lieu à Calgary sera Corey de l'Alberta Geological Survey. Le conférencier du colloque de la 64<sup>e</sup> conférence annuelle qui se déroulera à Toronto a été choisi et sera annoncé dans le cadre de la conférence de la SCG à Calgary. Nous aimerions remercier Dieter Stolle pour son excellent travail à titre de président du Conseil canadien de recherche en géotechnique. Dieter terminera son mandat à la fin de 2010 et sera remplacé par James Blatz de l'Université du Manitoba.

**Institut canadien d'ingénierie (ICI)** : Plusieurs membres de la SCG ont été honorés par l'ICI lors de son banquet annuel du 27 février 2010 à Ottawa. Les prix suivants ont été décernés : Dennis Becker (Médaille Julian C. Smith), Robert Chapuis (Médaille Chemin de fer Canadien Pacifique) et Don Scott (Associé de l'ICI). (Notez qu'en vertu de la politique de l'ICI, environ 20 bourses de recherche doivent être décernées par année, et les 12 sociétés constituantes comptent plus de 20 000 membres). La dernière réunion du conseil de l'ICI a eu lieu le 28 février 2010 à Ottawa. Parmi les sujets discutés, notons le site Web de l'ICI, le Forum canadien sur le leadership en ingénierie, les archives, les honneurs et les récompenses ainsi que les bourses de recherche, un document sur les pratiques exemplaires du comité responsable des honneurs et des récompenses et les conférences.

**Manuel canadien sur l'ingénierie des fondations** : Une mise à jour de l'erratum concernant la 4<sup>e</sup> édition de ce manuel a été rédigée et affichée en ligne le 15 mars 2010. Le nouvel erratum a été également reproduit afin qu'il soit inséré dans les exemplaires imprimés de cette 4<sup>e</sup> édition vendus par Bitech. La traduction française de ce manuel a été entreprise par Jean Lafleur, Denis Lebœuf et Paul Chiasson et devrait être achevée en 2010.

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***Vice-President Finance - Don Lewycky***  
***Report of Activities - July 1, 2009 to June 30, 2010***

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**General**

Last year saw the completion of a significant transition for the Society, with Gibson Group Association Management (GGAM) in Vancouver, assuming all the major administrative duties for the Society. This is in addition to the conference management services they have been providing for the last number of years to the local organizing committees of the various national and specialty conferences that the Society sponsors. This transition has occurred relatively seamlessly to the Society's members and the executive. GGAM has clearly demonstrated their ability to provide our daily administrative functions in an efficient and cost effective manner and is now prepared to undertake additional challenges, such as the redesign of the Society's website.

Overall, the Society continues to be in a strong financial position with proven administrative backing. As we go forward, some of the major challenges facing the Society will be maintaining or increasing membership numbers, preparing for the publication the French edition of the Canadian Foundation Engineering Manual and the redesign of the Society's website.

Following is a summary of our financial performance in 2009 and a status report of our current budget. Also attached is the financial audit report prepared by Johnson Archer LLP Chartered Accountants, comparing our financial status in 2008 and 2009. Finally, there is the proposed Gibson budget for 2011.

***Summary of Fiscal Year 2009***

The original budget for 2009 projected revenue amounting to \$295,000, based on an expected decline in the sales of the Canadian Foundation Engineering Manual (CFEM). However, due to the unexpectedly strong demand for the fourth edition of CFEM and from the good profits realized from the past several national and specialty conferences, this figure was revised upward at the Halifax conference to a projected total year end revenue of \$347,000. As can be seen in the audited statement for last year, the final revenue for 2009 was in fact \$350,076.

Expenditures for 2009 were originally budgeted to be \$334,500, but at the Halifax conference, this figure was revised to a projected \$323,171 by year end. The actual total expenditures for 2009, as reported by the auditors, was in fact only \$297,589.

The original 2009 budget anticipated a deficit of nearly \$39,500, while at the Halifax conference, a revised budget projected a 2009 surplus of \$23,828. Happily, the final audited statement for 2009 reported the actual year end surplus to be \$52,487. This unexpectedly large surplus is mainly the result the excellent sale numbers for CFEM 4 and the excellent cost control exhibited by Wayne Gibson and his staff in operation of the Society. It must be cautioned that while this surplus may seem to be quite large, it should be viewed in context of the surpluses enjoyed in the two previous years (\$206,640 in 2007 and \$73,402 in 2008). With declining revenues from CFEM, it is unlikely we will see such large surpluses in the coming years.

***Year to Date Summary of Fiscal Year 2010***

**Membership Status**

As of August 31, 2010, we had 1178 paid members generating \$205,359 of revenue for the Society. This is a modest increase of 12 paid memberships over this time in 2009, which is still a little behind the \$227,400 of revenue anticipated in the 2010 budget. Membership is currently comprised of 936 regular members, 69 students, 55 retired members, 60 international members and 58 members from second Societies. At the end of 2009, we had 1208 paid members, of which 952 were regular members, 73 students, 53 were retired, 58 international members and 72 were from second Societies.

**Corporate Sponsorship**

As of August 31, 2010, \$7000 in sponsorship revenue has been provided by the corporations listed below (in alphabetical order):



Geo-Slope International Ltd.  
Golder Associates  
Insitu Contractors Inc.  
Knight Piesold Consulting Engineers  
Merlex Engineering Ltd.  
Morsky Industrial Services  
Naviq Consulting Inc.  
Norwegian Geotechnical Institute  
Reinforced Earth Company  
Thurber Engineering Limited

This amount is down \$1500 from this time last year due to the formal withdrawal of several companies from the program in 2010. In the coming year, the new executive will be examining this program and determining whether this program is still viable and if so, how to make it more enticing to other potential sponsors to participate.

### **CFEM Sales**

Since January 1, 2010, the sales of CFEM have resulted in revenue of \$29,974 based on the sale of 202 units. This is down considerably from the two previous years, but was anticipated in the budget. An additional \$806 in revenue has been derived from the sale of our other publications, for total revenue from publications of \$30,780. This is already \$8,000 more than anticipated for the entire year in the 2010 budget.

### **Investments & Loans**

The CGS has the following investments and loans as of July 31, 2010.

#### *Short Term Investments*

- We have three \$50,000 cashable GIC's with ING, one with a one, two year and three year terms. Annual interest rates are 1.25%, 1.75% and 2.5% respectively. The sum of \$56,366.93 also resides with ING in an investment account, with the intent of it being rolled in with other cash from our chequing account to be used to create an additional \$100,000 loan to the Canadian Foundation for Geotechnique.

#### *Long Term Investments*

- A GIC with Scotiabank which had a value of \$61,425.07 as of June 30, 2010 and comes to term on May 19, 2012. The interest rate on this non-redeemable GIC is 2.75%.
- A GIC with RBC which had a value of \$107,586.49 as of March 31, 2009 and comes to term in June 2014. The interest rate for this GIC is 4.25%, but is a variable rate that is reevaluated every 6 months.

#### *Loans*

- \$100,000 interest free and unsecured loan with the Canadian Foundation for Geotechnique (CFG) which comes to term on February 19, 2011. A second \$100,000 loan is being finalized with the CFG, utilizing the same terms and conditions as the first loan. When finalized this fall, the CGS will have \$200,000 on loan to the CFG.
- \$25,000 interest free and unsecured loan with the Canadian Foundation for Geotechnique on behalf of the Engineering Geology Division, which comes to term in February 2018.

#### *Conferences*

The Society has provided \$25,000 in seed money for the national conferences in Calgary and Toronto. Seed money was also supplied to the CYGEG conference in Banff and the Geohazards conference in Kelowna in 2011. The Engineering Geology Division has fronted \$15,000 of their assets towards hosting the International Landslides Conference in Banff in 2012.

### *Cash*

As of August 31, 2010, we had \$282,117.13 in our chequing account. We also had \$1,067.00 in our RBC account which is interest from our investments. Of this, nearly \$100,000 has been earmarked for the new CFG loan.

### **Total Revenue**

As of August 31, 2010, the Society had a net revenue of \$249,605, which appears to be on track to meeting the \$291,900 budgeted for year end in the 2010 budget.

### **Expenses**

As of August 31, 2009, our office expenses have actually gone down from the same period last year. I would expect the office expenses in 2010 will remain the same or possibly be even less than in 2009.

### **August 31, 2010 Year to Date Financial Position**

As of August 31, 2010, the Society's net financial position was \$68,014.99 to the positive. This is \$19,811.87 less than that recorded at the same time last year. It is expected the Society will as a whole may realize a loss in 2010 of approximately \$29,000, rather than the originally projected loss of approximately \$41,000.

### **Proposed Budget For 2011**

Attached is a summary of the proposed budget for 2011. It assumes no appreciable increase in membership numbers over this year's numbers. Revenue from our investments is also expected to remain at current levels. It also assumes the completion of the interest free loan to the CFG in 2010.

The translation for the preparation of a French version of the CFEM has been assumed to be completed under the 2010 budget. Also in 2010, \$12,000 was set aside for the actual publication of a French version of CFEM. This amount is now being carried forward into 2011.

For most of the administrative expenses, I've included an inflation factor of approximately 2% for some items. Office costs appear to be so well controlled that there is little room for cost cutting. The majority of the Society's expenses are in fact costs associated with the provision of direct services for its members. Income from conferences is estimated at \$15,000 in 2011 and \$35,000 in revenue is being predicted from the sale of all publications.

Starting in 2011, the NRC will begin charging for access to the electronic past issues of the Canadian Geotechnical Journal. The Executive was able to obtain a special bulk price for access for all its members at a rate of \$25.00 per person, as opposed to an individual price of \$50.00. The Executive therefore decided that since this was such an invaluable resource to its members, that they would add access to the Canadian Geotechnical Journal as a base service to the entire membership. Consequently, the base membership fees will be increased for the first time in three years, by \$25.00 to all regular and international members, but only \$10.00 to the student and retired membership rate. The proposed membership fees for the 2010 financial year would therefore be as follows:

- Regular members           \$ 200.00
- Student members           \$ 75.00
- International members   \$ 270.00
- Retired Members           \$ 75.00

The 2011 budget, as proposed, anticipates a deficit of approximately \$36,150.

## Summary of Financial Performance and Proposed 2011 Budget

CGS Budgets - 2010 Projected (as of Sept 2010) and 2011						
	2009		2010			2011
Income	Budget	Audited	Budget	To August 31	Projected	Budget
Memberships	\$220,000	\$242,411	\$227,400	\$205,359	\$212,800	\$238,100
Publications	\$20,000	\$69,708	\$22,000	\$30,780	\$39,000	\$35,000
Conferences	\$36,000	\$22,813	\$16,500	\$4,714	\$28,500	\$27,500
Corporate Sponsors	\$9,000	\$8,500	\$13,000	\$7,000	\$7,000	\$7,000
Interest	\$10,000	\$6,644	\$13,000	\$484	\$7,000	\$7,000
<b>Total Revenue</b>	<b>\$295,000</b>	<b>\$350,076</b>	<b>\$291,900</b>	<b>\$249,605</b>	<b>\$294,300</b>	<b>\$314,600</b>
Expenses						
Membership Costs	\$150,000	\$118,895	\$43,440	\$28,165	\$78,900	\$55,450
Publications	\$13,000	\$20,659	\$95,174	\$50,647	\$79,300	\$120,300
Conferences	\$8,000	\$12,516	\$16,000	\$1,265	\$14,000	\$15,000
Operations	\$163,500	\$145,519	\$178,244	\$101,483	\$133,800	\$160,000
<b>Total Expenses</b>	<b>\$334,500</b>	<b>\$297,589</b>	<b>\$332,858</b>	<b>\$181,590</b>	<b>\$306,000</b>	<b>\$350,750</b>
<b>Gain/Loss</b>	<b>-\$39,500</b>	<b>\$52,487</b>	<b>-\$40,958</b>	<b>\$68,015</b>	<b>-\$11,700</b>	<b>-\$36,150</b>

### THE CANADIAN GEOTECHNICAL SOCIETY Statement of Financial Position December 31, 2009

	2009	2008
<b>ASSETS</b>		
Current assets		
Cash - unrestricted	\$ 122,251	\$ 96,934
Short-term investments (Note 4)	237,066	234,849
Accounts receivable	70,123	81,984
Restricted cash - Cold Regions Division (Note 5)	16,276	16,276
Restricted cash - Engineering Geology Division (Note 5)	10,086	10,086
Prepaid expenses	150	-
	<b>455,952</b>	<b>440,129</b>
Long-term investments (Note 6)	168,069	171,207
Loans to Canadian Foundation for Geotechnique (Note 7)	125,000	135,000
	<b>\$ 749,021</b>	<b>\$ 746,336</b>
<b>LIABILITIES</b>		
Current liabilities		
Accounts payable and accrued liabilities	\$ 38,520	\$ 86,696
Deferred revenue (Note 8)	12,374	14,000
	<b>50,894</b>	<b>100,696</b>
<b>NET ASSETS</b>		
Unrestricted	671,765	619,278
Internally restricted - Cold Regions Division	16,276	16,276
Internally restricted - Engineering Geology Division	10,086	10,086
	<b>698,127</b>	<b>645,640</b>
	<b>\$ 749,021</b>	<b>\$ 746,336</b>

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## **Rapport sur la situation financière de la Société canadienne de géotechnique Don Lewycky, vice-président des finances**

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### **Généralités**

L'an dernier a marqué la fin d'une importante transition pour la Société qui a vu l'entreprise vancouveroise Gibson Group Association Management (GGAM) assumer l'ensemble des principales tâches administratives de la Société. Ces tâches s'ajoutent aux services de gestion de la conférence annuelle fournis par GGAM depuis de nombreuses années aux divers comités organisateurs locaux de la conférence nationale et des diverses conférences spécialisées commanditées par la Société. La transition s'est déroulée de manière relativement harmonieuse pour les membres et la direction de la Société. À l'évidence, l'entreprise GGAM a prouvé son aptitude à assumer nos fonctions administratives quotidienne de manière efficace et rentable. Elle se prépare maintenant à relever d'autres défis, comme la refonte du site Web de la Société.

Dans l'ensemble, la Société continue de jouir d'une bonne situation financière, avec un soutien administratif qui a fait ses preuves. Alors que nous continuons à aller de l'avant, certains des défis majeurs de la Société seront de maintenir ou d'augmenter le nombre de membres, de préparer la publication de l'édition française du *Manuel canadien d'ingénierie des fondations* et de réaliser la refonte du site Web de la Société.

Vous trouverez ci-après un résumé de notre rendement financier en 2009 et un rapport sur la situation actuelle de notre budget. De plus, vous trouverez ci-joint le rapport de vérification financière préparé par le cabinet Johnson Archer LLP Chartered Accountants, lequel compare notre position financière en 2008 et en 2009. Enfin, le budget proposé pour 2011 est présenté.

### **Résumé de l'exercice 2009**

Le budget original de 2009 projetait des revenus s'élevant à 295 000 dollars, selon une baisse projetée des ventes du *Manuel canadien d'ingénierie des fondations* (MCIF). Toutefois, en raison d'une demande étonnamment forte de la quatrième édition du MCIF et des profits considérables entraînés par les conférences nationales et plusieurs conférences spécialisées précédentes, ce montant a été revu à la hausse à la conférence d'Halifax et projetait un total de 347 000 dollars à la clôture de l'exercice. Comme on peut le constater dans l'état financier du dernier exercice, le revenu définitif de 2009 s'est élevé, en fait, à 350 076 dollars.

Les dépenses de 2009 étaient projetées à 334 500 dollars à l'origine mais, lors de la conférence d'Halifax, cette somme a été revue et ajustée à une estimation de 323 171 dollars à la clôture de l'exercice. Le véritable total des dépenses de 2009 s'est élevé, selon le rapport des vérificateurs, à seulement 297 589 dollars, en fait.

Le budget original de 2009 anticipait un déficit de près de 39 500 dollars mais, lors de la conférence d'Halifax, un budget révisé a projeté un excédent budgétaire de 23 828 dollars pour 2009. Heureusement, l'état financier définitif de 2009 a déterminé que l'excédent budgétaire s'élevait, en fait, à 52 487 dollars, à la clôture de l'exercice. Cet excédent considérable et inattendu provient, pour la plus grande part, des excellentes ventes de la 4<sup>e</sup> édition du MCIF et de l'excellent contrôle des coûts exercé par Wayne Gibson et son personnel, relativement au fonctionnement de la Société. Il faut cependant faire une mise en garde au sujet de cet excédent. Bien qu'il semble être considérable, il faut garder en tête le contexte des excédents que nous avons connus durant les deux exercices précédents (206 640 dollars en 2007 et 73 402 dollars en 2008). En raison de recettes à la baisse des ventes du MCIF, il est peu probable que la Société obtienne des excédents aussi considérables dans les années à venir.

### **Sommaire de l'exercice 2010 depuis le début de l'année**

#### **État des adhésions**

Au 31 août 2010, nous avons 1178 membres payants qui ont généré 205 359 dollars de revenus pour la Société. Il s'agit d'une augmentation modeste de 12 adhésions payées depuis 2009, ce qui demeure toujours un peu inférieur au revenu anticipé pour 2010, qui était 227 400 dollars. À l'heure actuelle, les

adhésions comprennent 936 membres ordinaires, 69 étudiants, 55 membres à la retraite, 60 membres internationaux et 58 membres de sociétés secondaires. À la fin de 2009, nous avons 1208 membres payants, dont 952 membres réguliers, 73 étudiants, 53 membres à la retraite, 58 membres internationaux et 72 de sociétés secondaires.

### **Commandites de sociétés**

Au 31 août 2010, les entreprises énumérées ci-dessous (en ordre alphabétique) avaient généré des revenus de commandite de 7 000 dollars :

Geo-Slope International Ltd.	Morsky Industrial Services
Golder Associates	Naviq Consulting Inc.
Insitu Contractors Inc.	Norwegian Geotechnical Institute
Knight Piesold Consulting Engineers	Reinforced Earth Company
Merlex Engineering Ltd.	Thurber Engineering Limited

Ce montant est inférieur de 1 500 dollars à celui de l'année dernière, parce que plusieurs entreprises se sont officiellement retirées du programme en 2010. Au cours de l'année prochaine, le nouveau Comité exécutif étudiera ce programme et déterminera s'il est toujours viable et, dans l'affirmative, comment le rendre plus attrayant pour inciter d'autres commanditaires potentiels à y participer.

### **Ventes du MCIF**

Depuis le 1<sup>er</sup> janvier 2010, les ventes du MCIF ont généré des revenus de 29 974 dollars, soit 202 unités vendues. Ce volume de ventes est beaucoup moins élevé que ceux des deux années précédentes, mais était anticipé dans le budget. Les ventes de nos autres publications ont généré des revenus supplémentaires de 806 dollars, ce qui donne un total de 30 780 dollars en matière de revenus provenant des ventes de publications. Ce montant dépasse de 8 000 dollars ce qui avait été projeté pour toute la durée du budget 2010.

### **Placements et prêts**

Au 31 juillet 2010, la SCG avait fait les placements et accordé les prêt décrits ci-après.

#### *Placements à court terme*

- Nous avons trois certificats de placement garanti (CPG) encaissables de 50 000 dollars auprès de ING, pour un an, deux ans et trois ans. Les taux d'intérêt annuels s'élèvent à 1,25 %, 1,75 % et 2,5 %, respectivement. Nous avons aussi un quatrième CPG de 56 366,93 dollars auprès de ING. Nous avons l'intention de l'ajouter à d'autres liquidités du compte de chèque, pour créer un prêt supplémentaire de 100 000 dollars à la Fondation canadienne de géotechnique.

#### *Placements à long terme*

- Un CPG auprès de la Banque Scotia d'une valeur de 61 425,07 au 30 juin 2010 et encaissable le 19 mai 2012. Le taux d'intérêt de ce CPG non rachetable est de 2,75 %.
- Un CPG à la RBC d'une valeur de 107 586,49 dollars au 31 mars 2009 et qui est encaissable en juin 2014. Le taux d'intérêt de ce CPG est de 4,25 %, mais il s'agit d'un taux variable qui est réévalué tous les six mois.

#### *Prêts*

- Un prêt de 100 000 dollars sans intérêt et non garanti auprès de la Fondation canadienne de géotechnique (FCG) qui échoit le 19 février 2011. Un deuxième prêt de 100 000 dollars à la FCG est en train d'être finalisé, aux mêmes conditions que le premier prêt. Lorsque ce prêt sera finalisé cet automne, la Société aura prêté 200 000 dollars à la FCG.
- Un prêt de 25 000 dollars sans intérêt et non garanti à la Fondation canadienne de géotechnique au nom de la Division de la géologie de l'ingénieur, qui échoit en février 2018.

#### *Conférences*

La Société a versé 25 000 dollars en fonds de démarrage pour les conférences nationales de Calgary et de Toronto. Elle a aussi versé des fonds de démarrage au congrès CCJGG de Banff et à la conférence sur les géorisques qui aura lieu à Kelowna en 2011. La Division de la géologie de l'ingénieur a également accordé 15 000 dollars de ses propres fonds pour la tenue de la conférence internationale sur les glissements de terrain qui aura lieu à Banff en 2012.

### *Liquidités*

Au 31 août 2010, le solde des liquidités de notre compte de chèques s'élevait à 282 117,13 dollars. Nous avons aussi 1 067 dollars dans notre compte à la RBC, qui correspond aux intérêts de nos placements. Sur ces fonds, près de 100 000 dollars ont été réservés pour le nouveau prêt à la FCG.

### **Total des revenus**

Au 31 août 2010, la Société disposait d'un revenu net de 249 605 dollars, ce qui semble être de bon augure par rapport à l'objectif de 291 900 dollars projeté pour la clôture d'exercice du budget 2010.

### **Dépenses**

Au 31 août 2009, nos frais de bureau se sont avérés inférieurs à ceux de la période correspondante de l'année précédente. Je m'attends à ce que les frais de bureaux de 2010 soient équivalents ou possiblement inférieurs à ceux de 2009.

### **Situation financière depuis le début de l'année au 31 août 2010**

Au 31 août 2010, les ressources financières nettes de la Société s'élevaient à 68 014,99 dollars. Cela correspond à 19 811,87 dollars de moins que le montant déclaré au même moment l'année dernière. Nous nous attendons à ce que la Société subisse, dans l'ensemble, une perte d'environ 29 000 dollars en 2010, plutôt que la perte d'environ 41 000 dollars qui avait été originalement projetée.

### **Budget proposé pour 2011**

Vous trouverez ci-joint un résumé du budget proposé pour 2011. On n'y présume aucune augmentation appréciable des adhésions par rapport à celles de cette année. Nous nous attendons aussi à ce que les revenus émanant de nos placements demeurent aux niveaux actuels. Le budget présume que le prêt sans intérêt à la FCG sera accordé en 2010.

On avait présumé que la traduction en français du MCIF serait réalisée durant le budget 2010. Une somme de 12 000 dollars avait également réservée à la publication de la version française du MCIF. Ces fonds sont désormais reportés à l'exercice 2011.

Pour la plupart des dépenses administratives, j'ai imputé un facteur d'inflation d'environ 2 % pour certains postes de dépenses. Nos frais de bureau semblent tellement bien contrôlés qu'ils ne comportent pas beaucoup de coûts à réduire. La plupart des dépenses de la Société sont, en fait, des coûts associés à la prestation de services directs à ses membres. En 2011, les revenus émanant des conférences sont estimés s'élever à 15 000 dollars et ceux des ventes de publications à 35 000 dollars.

À compter de 2011, le CNRC commencera à facturer l'accès aux numéros archivés de la *Revue canadienne de géotechnique* en version électronique. Le Comité exécutif a été en mesure d'obtenir un prix d'accès privilégié pour tous les membres, soit 25 dollars par personne, comparativement au tarif individuel de 50 dollars. En raison du caractère inestimable de cette publication pour nos membres, le Comité exécutif a décidé d'ajouter l'accès à la *Revue canadienne de géotechnique* à titre de service de base inclus dans l'adhésion de tous les membres. Par conséquent, les frais de base des adhésions seront augmentés pour la première fois en trois ans, de 25 dollars pour tous les membres ordinaires et internationaux et de seulement 10 dollars pour les membres étudiants. Les frais d'adhésion proposés pour l'exercice financier de 2011 seront donc comme suit :

➤ Membres ordinaires	200,00 \$
➤ Membres étudiants	75,00 \$
➤ Membres internationaux	270,00 \$
➤ Membres à la retraite	75,00 \$

Tel que proposé, le budget de 2011 anticipe un déficit d'environ 36 150 dollars.

**Sommaire du rendement financier et budget proposé pour en 2011 (en anglais)**

CGS Budgets - 2010 Projected (as of Sept 2010) and 2011						
	2009		2010			2011
Income	Budget	Audited	Budget	To August 31	Projected	Budget
Memberships	\$220,000	\$242,411	\$227,400	\$205,359	\$212,800	\$238,100
Publications	\$20,000	\$69,708	\$22,000	\$30,780	\$39,000	\$35,000
Conferences	\$36,000	\$22,813	\$16,500	\$4,714	\$28,500	\$27,500
Corporate Sponsors	\$9,000	\$8,500	\$13,000	\$7,000	\$7,000	\$7,000
Interest	\$10,000	\$6,644	\$13,000	\$484	\$7,000	\$7,000
<b>Total Revenue</b>	<b>\$295,000</b>	<b>\$350,076</b>	<b>\$291,900</b>	<b>\$249,605</b>	<b>\$294,300</b>	<b>\$314,600</b>
Expenses						
Membership Costs	\$150,000	\$118,895	\$43,440	\$28,165	\$78,900	\$55,450
Publications	\$13,000	\$20,659	\$95,174	\$50,647	\$79,300	\$120,300
Conferences	\$8,000	\$12,516	\$16,000	\$1,265	\$14,000	\$15,000
Operations	\$163,500	\$145,519	\$178,244	\$101,483	\$133,800	\$160,000
<b>Total Expenses</b>	<b>\$334,500</b>	<b>\$297,589</b>	<b>\$332,858</b>	<b>\$181,590</b>	<b>\$306,000</b>	<b>\$350,750</b>
<b>Gain/Loss</b>	<b>-\$39,500</b>	<b>\$52,487</b>	<b>-\$40,958</b>	<b>\$68,015</b>	<b>-\$11,700</b>	<b>-\$36,150</b>

**THE CANADIAN GEOTECHNICAL SOCIETY**  
**Statement of Financial Position**  
**December 31, 2009**

	2009	2008
<b>ASSETS</b>		
Current assets		
Cash - unrestricted	\$ 122,251	\$ 96,934
Short-term investments (Note 4)	237,066	234,849
Accounts receivable	70,123	81,984
Restricted cash - Cold Regions Division (Note 5)	16,276	16,276
Restricted cash - Engineering Geology Division (Note 5)	10,086	10,086
Prepaid expenses	150	-
	<b>455,952</b>	<b>440,129</b>
Long-term investments (Note 6)	168,069	171,207
Loans to Canadian Foundation for Geotechnique (Note 7)	125,000	135,000
	<b>\$ 749,021</b>	<b>\$ 746,336</b>
<b>LIABILITIES</b>		
Current liabilities		
Accounts payable and accrued liabilities	\$ 38,520	\$ 86,696
Deferred revenue (Note 8)	12,374	14,000
	<b>50,894</b>	<b>100,696</b>
<b>NET ASSETS</b>		
Unrestricted	671,765	619,278
Internally restricted - Cold Regions Division	16,276	16,276
Internally restricted - Engineering Geology Division	10,086	10,086
	<b>698,127</b>	<b>645,640</b>
	<b>\$ 749,021</b>	<b>\$ 746,336</b>

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***Vice President Communications - Stéphanie Perret  
Report of Activities - July 1, 2009 to June 30, 2010***

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**Introduction**

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

**Website management**

The hosting of the website and member database was moved to Pro.NET in August 2009 as the original hosting firm, High Speed Rails, closed for business. Some member database modifications were programmed and launched in December 2009 in time for the annual member renewal process after Gibson Group Association Management (GGAM) discovered programming errors in the original coding that needed immediate attention. A longer list of possible database improvements were identified at that time, with many of them planned for implementation this fall for the 2011 member renewal campaign.

GGAM presented in March a draft survey about the CGS website to be completed by the Executive Members and Divisions, Sections and Committees chairs. The intent of the survey was to help determine what information currently on the website can be removed due to lack of interest and what new information should be there. A review of the responses has been done in spring 2010 and a report and a go forward recommendation has been presented at the Executive Committee in June. The work on the website has begun during the summer 2010 and we are confident that a new CGS website can be launched in November, 2010 in time for the 2011 member renewal efforts.

The objectives of this project are to redesign the [www.cgs.ca](http://www.cgs.ca) website to make it more modern, fresh and user friendly and to remove the Plone system so that the website is not tied to a specific piece of software and so that it can be managed from regular web page editors. We propose to utilize PHP and MySQL database technology for the dynamic elements in the website and to create an administration area so that designated frequently updated elements in the website can be changed by individuals without using html programming.

A sub-committee composed of the president of CGS, the Vice-president Communications and other members is now in place to work with GGMA.

**Online registration**

Online processing for membership renewal and new registration has gone well for the year 2009-2010. CGS would like to move to an earlier registration for members beginning in the fall. Work will be done to allow CGS to accept 2011 renewals in November 2010.

**CGS E-News**

Three E-News issues have been published for our members in 2010 (January, March, and July). Kent Bannister continues to provide excellent assistance to the VP Communications to publish the document under an HTML format.

The benefit of using E-news to communicate with the CGS members is that the number of e-mails sent to CGS members is reduced. Since the beginning of 2010, only five e-mails (including the announcement of three E-news) have been sent.

**CFEM4**

A second Errata of CFEM4 has been posted on the website on March 15, 2010. It is available in the members section and also from the front page of the CGS Website.

**Promotional Material**

A minor CGS logo change was completed by VP Communications at the beginning of 2010: the outline of the dam has been defined better and the map of Canada has been improved. This revised logo has been



distributed. Further modifications on the logo could be discussed in the future in accordance with the development of the new website.

In 2009, in Halifax, an historical poster presenting the work of three well-known geotechnicians was shown. A second poster will be available at the Calgary Conference.

Also, a brochure presenting the mission of CGS has been prepared for the Calgary conference. It is available in French and in English. Information about the Society such as the objectives, the sections and technical divisions, and the CGS contacts are given in this document.

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## ***Vice-présidente aux communications - Préparé par Stéphanie Perret*** ***Rapport d'activités – Du 1<sup>er</sup> juillet 2009 au 30 juin 2010***

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### **Introduction**

Le présent rapport est un résumé des activités liées aux communications avec les membres de la SCG. Il traite du site Web de la SCG et de sa gestion, du bulletin électronique e-News et du matériel promotionnel.

### **Gestion du site Web**

L'hébergement du site Web et de la base de données des membres a été transféré chez Pro.NET en août 2009 à la suite de l'arrêt des activités de la firme High Speed Rails. Certaines modifications à la base de données des membres ont été programmées et lancées en décembre 2009, juste à temps pour le processus de renouvellement annuel des adhésions après que Gibson Group Association Management (GGAM) a découvert des erreurs de programmation dans le codage original qui ont nécessité une attention immédiate. Une liste plus longue des améliorations possibles à apporter à la base de données a été déterminée à ce moment, alors que la mise en œuvre de beaucoup d'entre elles était prévue cet automne pour la campagne de renouvellement des adhésions de 2011.

GGAM a présenté en mars dernier un sondage concernant le site Web de la SCG, à l'attention des membres de l'exécutif et des présidents de divisions, sections et comités. Le but de ce sondage était de déterminer quelles informations, actuellement sur le site, pouvaient être retirées à la suite d'un manque d'intérêt et quelles nouvelles informations devaient être présentes. Une analyse des réponses a été effectuée au printemps 2010 et un rapport a été présenté aux membres de l'exécutif en juin, accompagné de recommandations pour aller de l'avant dans ce projet. Le travail a d'ores et déjà commencé au cours de l'été 2010 et nous sommes confiants que le nouveau site pourrait être lancé en novembre 2010, juste à temps pour le renouvellement des adhésions pour l'année 2011.

Les objectifs de ce projet sont de refondre le site Web [www.cgs.ca](http://www.cgs.ca) pour le moderniser, l'actualiser et le rendre plus convivial et pour retirer le système Plone afin que le site Web ne soit pas lié à un logiciel spécifique et qu'il puisse être géré à partir d'éditeurs Web réguliers. Nous proposons d'utiliser la technologie PHP avec la base de données MySQL pour les éléments dynamiques du site Web et de créer une division administrative afin que les éléments désignés pour être mis à jour fréquemment dans le site Web puissent être changés par des personnes sans qu'elles utilisent la programmation html.

Un sous-comité composé du président de la SCG, de la vice-présidente aux communications et d'autres membres est maintenant en place pour travailler avec GGAM.

### **Inscriptions en ligne**

Le processus de renouvellement des adhésions et les nouvelles adhésions se portent bien pour l'année 2009-2010. La SCG souhaite permettre les adhésions plus tôt en automne. Ainsi, le travail a débuté pour permettre de renouveler les adhésions dès novembre 2010 pour l'année 2011.

### **Bulletin électronique de la SCG, e-News**

Depuis le début de l'année 2010, trois éditions du e-News ont été envoyées (janvier, mars et juillet). Kent Bannister prête encore main forte à la vice-présidente aux communications pour la publication de ce bulletin en format HTML.

L'avantage d'utiliser le bulletin électronique e-News pour communiquer avec les membres de la SCG est la réduction du nombre de courriels envoyés aux membres de la SCG. Depuis le début de 2010, on a envoyé seulement cinq courriels (y compris l'annonce de trois bulletins électroniques e-News).

### **4<sup>e</sup> édition du MCIF**

Un second erratum de la 4<sup>e</sup> édition du MCIF a été publié sur le site Web le 15 mars 2010. Il est disponible dans la section des membres ainsi que par la page d'accueil du site Web.

### **Matériel promotionnel**

Des modifications mineures ont été apportées au logo de la SCG par la vice-présidente aux communications au début de l'année 2010 : la ligne de contour de la digue a été redéfinie et la carte du Canada a été améliorée. Ce logo révisé a été distribué. D'autres modifications pourront être discutées dans le futur en fonction du développement du nouveau site Web.

En 2009, à Halifax, une affiche historique montrant les travaux de trois personnalités de la géotechnique a été présentée. Une seconde affiche est disponible à Calgary.

Aussi, une brochure présentant la mission de la SCG a été préparée pour la conférence de Calgary. Elle est disponible en français et en anglais. Des informations relatives à la Société telles que ses objectifs, ses divisions techniques et les contacts à la SCG y sont données.

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**Technical Divisions - Jit Sharma, Technical Divisions Representative**  
**Report of Activities – July 1, 2009 to June 30, 2010**

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### **Introduction**

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

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

- To provide to its members opportunities to upgrade and update their professional-knowledge and skills,
- To present results of their professional activities, by organizing events and activities to facilitate knowledge, experience and information transfer and exchange,
- To promote co-operation among researchers and practitioners.

### **Executive Committees**

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

<b>Cold Regions Geotechnology</b> <b>Ed Hoeve, PEng</b> <a href="mailto:ehoeve@eba.ca">ehoeve@eba.ca</a>	2010	<b>Hydrogeology</b> <b>Richard E. Jackson, PEng</b> <a href="mailto:rjackson@intera.com">rjackson@intera.com</a>	2010
<b>Engineering Geology</b> <b>Davide Elmo, BEng (Hons), PhD</b> <a href="mailto:Davide_Elmo@golder.com">Davide_Elmo@golder.com</a>	2012	<b>Rock Mechanics</b> <b>Chris Hawkes, PGeo</b> <a href="mailto:chris.hawkes@usask.ca">chris.hawkes@usask.ca</a>	2011
<b>Geoenvironmental</b> <b>Catherine Mulligan, PEng</b> <a href="mailto:mulligan@civil.concordia.ca">mulligan@civil.concordia.ca</a>	2010	<b>Soil Mechanics and Foundations</b> <b>Jitendra Sharma, PEng</b> <a href="mailto:J.Sharma@usask.ca">J.Sharma@usask.ca</a>	2011
<b>Geosynthetics</b> <b>Andy Lister, PEng</b> <a href="mailto:a.lister@tencate.com">a.lister@tencate.com</a>	2010		

Of the seven Divisions, the chairs for four Divisions (Cold Regions Geotechnology, Geoenvironmental, Geosynthetics and Hydrogeology) will be completing their 3-year term in 2010. Cold Regions Geotechnology Division has elected Dr. Lukas Arenson as its incoming chair. Dr. Arenson is currently a member of the Executive Committee of this Division. It is noted that the Cold Regions Geotechnology Division has not yet appointed a vice-chair. The current vice-chair of the Hydrogeology Division Chris Neville will take over as the chair of this Division from the outgoing chair Dr. Richard Jackson. Although not explicitly stated in the annual report, it is expected that the current vice-chair of the Geoenvironmental Division Ms. Cynthia Coles will take over as the chair of this Division from the outgoing chair Dr. Catherine Mulligan. Regarding the Geosynthetics Division, it is not clear from its annual report as to how the change in leadership will occur. That the Geosynthetics Division has no ordinary members on its Executive Committee is a cause for concern for the future well-being and sustainability of this Division.

The 3-year terms of the chairs of the Soil Mechanics and Foundations Division and the Rock Mechanics Division will end in 2011. These two Divisions have appointed vice-chairs on their respective Executive Committees, who will take over from the outgoing chairs in 2011.

### **Affiliations with Other Organizations**

Each Division of the CGS (except the Geoenvironmental Division) is affiliated with an International counterpart, as detailed below:

Cold Regions Geotechnology  
 Engineering Geology  
 Geoenvironmental  
 Geosynthetics  
 Hydrogeology  
 Rock Mechanics  
 Soil Mechanics and Foundations

International Permafrost Association (IPA)  
 International Association of Engineering Geology (IAEG)  
 - No current affiliation -  
 North American Geosynthetics Society (NAGS)  
 International Association of Hydrogeologists (IAH-CNC)  
 International Society of Rock Mechanics (ISRM)  
 International Society of Soil Mechanics and  
 Geotechnical Engineering (ISSMGE)

In addition, many of the Divisions are also affiliated with other National and International technical bodies with whom there are various interactions during the course of the year.

### Membership Information

CGS members, at the time of completing their membership form, are given the opportunity to choose different Divisions as their first and second choices. Although the Division Chairs can readily obtain membership statistics for their respective Divisions, not all Division Chairs have provided this information in their annual reports. The following membership statistics (first-choice membership only) could be extracted from these reports:

Cold Regions Geotechnology	60
Engineering Geology	130 (reported as 150 to 180 in its annual report)
Geoenvironmental	Not known
Geosynthetics	Not known
Hydrogeology	59
Rock Mechanics	82 (includes both first and second choices)
Soil Mechanics and Foundations	575

Although the above statistics are not complete, it is reasonable to assume that each of the seven Divisions has a substantial membership base. Yet, only a few members are actively engaged in carrying out the Divisions' work and the attendance at the General Meetings of the Divisions is generally poor. In my experience, the lack of interest in the Divisions' General Meetings is probably because these Meetings are held in a largely unstructured manner. A good way of encouraging attendance would be to select a topic that has been in the news recently and get one of the Division members to coordinate a "debate" on the topic. It would also help if a small sum of money could be allocated to provide snack refreshments at the meeting. There also needs to be a more formal interaction between the Executives of the Divisions and the Local Sections (described in the next section).

### List of Activities

The Chairs of the Divisions have submitted annual reports on the activities of their respective Divisions for consideration and discussion at the pre-conference meeting of the CGS Executive. These reports are attached with this summary report and should be consulted for the activities of each of the seven Divisions. A short summary of the activities of each of the seven Divisions is provided below:

Cold Regions Geotechnology: Organization of the 2010 Canadian Permafrost Conference, which will be held in conjunction with the CGS National Conference in Calgary; selected RM Hardy speaker (Jim Oswell); co-sponsorship of a short course on permafrost engineering at U of A, had to be cancelled because of insufficient number of registrants.

Engineering Geology: Selection of Thomas Roy award winner for 2009 (Eshraghian, Martin and Morgenstern). The winner in 2010 is Rejean Couture. Réjean Couture was nominated to the post of VP North America for IAEG.

Geoenvironmental: Organized a speciality conference on geoenvironmental sustainability in Sep 2009 at the Halifax national conference; Chair coordinated the review of geoenvironmental stream papers at the Halifax conference; Chair served on the international scientific committee of the 4<sup>th</sup> ASTM Symposium on Contaminated Sediments held in Dublin, Ireland from Jun 30 to Jul 3, 2009; Dr. Loretta Li served on the technical committee of the GEE 2010 conference, Seoul, South Korea; currently coordinating speciality

sessions on geoenvironmental sustainability and quantitative analysis of acid mine drainage for the Calgary national conference; Chair to be the co-chair for the 5<sup>th</sup> ASTM Symposium on Contaminated Sediments to be held in 2012 in Montréal; Chair on the technical committee of the 2<sup>nd</sup> Int. Conf. on Waste Engineering and Management, to be held in Shanghai in Oct 2010.

Geosynthetics: No formal activities reported except discussions on collaborating with NAGS for the 2013 national conference in Montréal.

Hydrogeology: Planning of two speciality sessions (one on Acid Mine Drainage in collaboration with the Geoenvironmental Division) at the Calgary national conference; supported the Aquitard Hydrogeology Symposium held at U of S in June 2009; involved the organization of Aquitard Hydrogeology II Symposium with Ottawa Geotechnical Group and U of Guelph; organization of monthly talks on hydrogeology-related topics at Kitchener and Cambridge, ON.

Rock Mechanics: Organized (with CARMA and ARMA) the 20<sup>th</sup> Canadian Rock Mechanics symposium and RockEng09 symposium; supporting the bid to host the 13<sup>th</sup> ISRM Congress in Montréal in 2015; selected Doug Stead as the winner of 2009 Franklin award; provided a \$5000 start-up seed money to the organizers of Slope Stability 2011 conference to be held in Vancouver, BC.

Soil Mechanics and Foundations: Chair coordinated the submission of papers to the 17<sup>th</sup> ICSMGE and 4<sup>th</sup> iYGEC both held in Alexandria, Egypt; Chair liaising with the organizers of the 17<sup>th</sup> ICSMGE regarding the publishing of 19 papers from Canada that were missed from the original proceedings; selected Dr. Bipul Hawlader as its vice-chair; working closely with the technical committee of the 14<sup>th</sup> Pan-American Conference and the national conference to be held jointly in 2011 in Toronto, ON in terms of the collection and peer-reviewing of technical papers in the areas of soil mechanics and foundation engineering.

Only the Geoenvironmental Division keeps its section of the CGS website active and up-to-date. It appears as though the last time the other six Divisions updated their respective sections was in 2005-06 when the new CGS website went on-line. As such, key information on the activities of the Divisions, such as the Divisions' involvement in upcoming national and international conferences, is not readily available to the current (and potential future) members of the CGS. Personally, as Chair of the SMFD, I have found the editing of web pages on the CGS website somewhat confusing, which could be one of the reasons for the lack of willingness on the Divisions' part to update their sections of CGS website regularly.

Some informal interaction usually takes place between the Executives of the Divisions and the Local Sections, particularly when a Local Section hosts the annual CGS conference. Such interaction usually involves coordination of submission and reviewing of papers by the Divisions. Sometimes, the Divisions also help in the organization of a speciality session at these conferences. It would be advantageous to have a more formal and regular interaction between these two groups of Executives. That is, the Local Section involved in the organization of the annual conference should, by default, include the Division Chairs (or their representatives) on the conference's Technical Committee. By virtue of their involvement in the reviewing of technical papers, the Division Chairs would know which of their members are likely to attend the annual conference, which, in turn, would result in better organization and greater turnout at the Divisions' General Meetings that are held during the annual conference.

### **Financial Status**

This is one aspect of the half-yearly reports that I do not fully understand. With the exception of the Cold Regions Geotechnology and the Engineering Geology Divisions, which, respectively, have \$16,300 and \$10,000 in their accounts, all other Divisions either have no funds or their financial status is unknown. My understanding of the Divisions' financial status is that the CGS does not allocate any funds to any Division from its revenues. As such, the funds in a Division's account are from the Division's involvement in a specialty conference or a short course. Given that the financial status information of each Division is included in the reports prepared by VP Financial, the Division Chairs could be excused from searching for and reporting this information.

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***Cold Regions Geotechnology Division - Ed Hoeve, Chair***  
***Report of Activities – July 1, 2009 to June 30, 2010***

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**Introduction**

The Cold Regions Geotechnology Division (CRGD) of the CGS continues to move forward with initiatives aimed at increasing the visibility of the division. It is our mandate to; promote and facilitate the advancement, exchange and transfer of knowledge, skills and experience in the field of Cold Regions Geotechnology for the benefit of division members and the profession.

**Executive Committee**

The current Executive Committee of the CRGD consists of the following members:

*Chair:* Ed Hoeve – EBA Engineering Consultants Ltd. (Yellowknife)  
*Past Chair:* Jim Cassie – BGC Engineering Inc. (c/o Calgary)  
*Members:* Ryan Phillips – C-CORE (St. John's)  
Dave Sego – University of Alberta (Edmonton)  
Lukas Arenson – BGC Engineering Inc. (Vancouver)  
Jean Côté – Laval University (Québec)  
Jack Seto - BGC Engineering Inc. (Edmonton)

The Chair is in the last year of his term. Lukas Arenson has agreed to serve as Chair for the next 3-year term. A review and update of the Executive Committee will occur in connection with the transfer of the Chair.

**Affiliations with Other Organizations**

The Division is affiliated with the international organization: International Permafrost Association (IPA) and maintains ties with the Cold Regions Division of ASCE. The Chair of the CRGD is being appointed to the Canadian National Committee of the IPA (CNC-IPA).

**Membership Information**

The latest membership list includes 60 members. In 2009 67 CGS members selected the Cold Regions Geotechnology Division as their first choice and 128 members as it as their second choice.

**List of Activities**

The CRGD, in association with the CNC-IPA and the Calgary Chapter, are organizing a Canadian Permafrost Conference in 2010, to be held in conjunction with the CGS Conference in Calgary. The RM Hardy address speaker will be Jim Oswell. At last count there were about 100 permafrost/cold regions abstracts from a total of about 450. So overall, good numbers.

The CRGD agreed to co-sponsorship of the International Short Course on Permafrost Engineering: Effective Design and Construction in Permafrost Regions, to being offered by the Department of Civil and Environmental Engineering at the University of Alberta, from April 29 to May 4. However, due to insufficient numbers, the short course was not run in 2010.

The CRGD has again agreed to financially support the distribution of the IPA's newsletter "Frozen Ground" in Canada, and are awaiting notification of the amount.

**Financial Status**

The CRGD has \$16,300 on account as a line item with the CGS.

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**Engineering Geology Division - Davide Elmo, Chair**  
**Report of Activities - July 1, 2009 to June 30, 2010**

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### **Introduction**

This document summarizes the activities of the Engineering Geology Division (EGD) of the Canadian Geotechnical Society for the period from 01 July 2009 to June 30 2010. The undersigned took the EGD chair position on January 1<sup>st</sup> 2010 from David Wood and this annual report provides an overview of the EGD during this transitional phase.

The Engineering Geology Division's mission is to promote and facilitate the advancement, exchange and transfer of knowledge, skills and experience in the field of Engineering Geology for the benefit of division members and the profession. As part of the Canadian Geotechnical Society, the objectives are:

- To provide to its members opportunities to upgrade and update their professional-knowledge and skills;
- To present results of their professional activities, by organizing events and activities to facilitate knowledge, experience and information transfer and exchange; and
- To promote co-operation among researchers and practitioners.

### **Executive Committee**

The 2009-2010 Executive Committee of the EGD consists of the following members:

<i>Chair (2010 to present):</i>	<i>Davide Elmo</i>	<i>delmo@golder.com</i>
<i>Chair (July 2009 to December 2009)</i>	<i>David Wood</i>	<i>david@dfwood.com</i>
<i>Vice-Chair:</i>	<i>Arash Eshraghian</i>	
<i>Past-Chair:</i>	<i>Marco Quirion</i>	

### **Affiliations with other organizations**

The EGD is closely affiliated with the International Association of Engineering Geology (IAEG). There are strong links with the Association of Environmental and Engineering Geologists (AEG) in the United States. Reportedly, there are also links with the Engineering Geology working group of the Geological Society of London.

### **Membership**

The EGD membership has been maintained at about 150-180 over the last few years. These data are updated to June 2009. The majority of members originate from nine Canadian Provinces, whilst the remaining members are from various countries, including USA, Switzerland, Ireland, Hong Kong, Singapore, South Lebanon, France, Netherlands, Norway and Japan.

### **List of Activities**

- The Thomas Roy Award for 2009 was presented to Arash Eshraghian, C. Derek Martin and Norbert R. Morgenstern, University of Alberta.
- To date, no nominations were received for the Thomas Roy Award for 2010. The EGD chair reserves the right of providing by July 10<sup>th</sup>, 2010, a list of 5 papers reflecting outstanding contribution to the field of Engineering Geology in Canada to the Selection committee. Based on the Selection Committee recommendations, the EGD Chair will advise the CGS President and the Secretariat of the choice of the winner, including contact information.
- A call for nominations for the position of Vice-President North America for IAEG was posted in February 2010 and following approval by the CGS executives, Dr. Réjean Couture was nominated to the position of VP North America for IEAG.

### **Financial status**

According to the 2009 report, the financial status of the EGD is excellent with identified funds in a CGS account, which came from the successful Geohazards conference held in 2003. This was used to assist in the development of the Geohazards IV Conference, and the Geohazards V Conference, Kelowna planned for May 2011. Funds held in CGS restricted account of approximately \$10k. The EGD chair aims at reviewing and updating the financial status during 2010.

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**Geo-Environmental Engineering Division - Catherine Mulligan, Chair**  
**Report of Activities from July 1, 2009 to June 30, 2010**

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**Introduction**

The Geo-Environmental Engineering Division of the Canadian Geotechnical Society continues to move forward with the aim of increasing the visibility of the Division. Our mandate and objectives include the provision of opportunities to upgrade and update the professional-knowledge and skills of our members through short-courses, seminars and other activities which facilitate the transfer and exchange of knowledge, experience and information in the field of Geo-environmental Engineering for the benefit of division members and of the geotechnical, environmental and other related professions.

**Executive Committee**

The 2009-2010 Executive Committee consists of the following members. The active participation of Division members is greatly appreciated.

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GED Executive Committee		
Chair	Catherine Mulligan	Concordia University
Past Chair	Loretta Li	University of British Columbia
Vice-Chair	Cynthia Coles	Memorial University of Newfoundland
Member-at-large	Mostafa Warith	University of Ottawa
Member-at-large	Rosa Galvez-Cloutier	Laval University
Member-at-large	Alex Man	AECL

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**List of Activities**

**Web site:**

The web site is regularly updated for the GED.

**GED Award**

The criteria for the GED award are being reviewed for potential revision.

**Conferences:**

A specialty session (1.5 hr) by the GED at the annual CGS conference was held in September 2009 in Halifax on geoenvironmental sustainability and was organized by Catherine Mulligan. Six papers on this related subject were presented at this session. The meeting of the GED took place at the Annual Conference in Sept. 2009. Catherine was also the stream coordinator for the geoenvironmental papers for the conference.

The fourth ASTM International Symposium on Contaminated Sediments was held in Dublin, Ireland, June 30-July 3, 2009. It is co-sponsored by the CGS, and co-chaired by GED members, R. Galvez-Cloutier and L. Li. C. Mulligan was on the international scientific committee.

GEE 2010 Geoenvironmental Engineering was held at Seoul National University in Seoul, Korea, May 7-8, 2010. It was organized jointly by the Korea Institute of Constructional Technology, Seoul National University of Korea, Kyoto University, UBC and The Université Joseph Fourier, France. L. Li was on the technical committee.

**Future Activities**

**Workshops:**

The 2<sup>nd</sup> Symposium on Aquitard Hydrogeology: Aquitards for Hazardous Waste Management, Ottawa will be held, most likely, May 2011. Following the very successful 1<sup>st</sup> Symposium on Aquitard Hydrogeology in



June 2009 in Saskatoon, we are pleased to announce a 2<sup>nd</sup> Symposium will be held in Ottawa. It is to be sponsored by the Ottawa Geotechnical Group, the Canadian Geotechnical Society (with the organizational support Geoenvironmental & Hydrogeology Divisions). The program will be organized by Professor John Cherry.

**Conferences:**

A specialty session (1.5 h) by the GED the annual CGS conference to be held in September 2010 in Calgary is being organized by Catherine Mulligan on geoenvironmental sustainability. A special lecturer and several papers on this related subject will be presented at this session.

Within the Geoenvironmental and Hydrogeological themes of the Calgary GEO2010 conference, a Special Session is being organized on Quantitative Analysis of Acid Mine Drainage. GEO2010 Calgary; September 12-16, 2010 <http://www.geo2010.ca/>. Convenors: B. Bussière(1) PhD, (UQAT), and J. Molson(2) PhD, (U. Laval) The session will cover many leading areas of current research in numerical modelling applications into the generation and fate of mine drainage (acid mine drainage, AMD or contaminated neutral drainage, CND), as well as applications into its prevention and control. Invited leading researchers in this field will be presenting a variety of talks aimed at stimulating discussion and presenting the state-of-the-art in applied research

The fifth ASTM International Symposium on Contaminated Sediments will be held in Montreal in 2012 and will be co-chaired by C. Mulligan. L. Li and R. Galvez are on the international scientific committee.

October 13-15, 2010 The 2nd International Conference on Waste Engineering and Management, Shanghai, China 2nd International Conference on Waste Engineering and Management (ICWEM 2010) Organized by the CSCE, the China Engineering Society (CCES), the Hong Kong Institution of Engineers (HKIE), and Tongji University, ICWEM 2010 will be held in Shanghai, China, 13-15 October 2010. C. Mulligan is on the technical committee.

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**Geosynthetics Division - Andrew Lister, Chair**  
**Report of Activities – July 1, 2009 to June 30, 2010**

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**Executive Committee**

The 2009-2010 Executive Committee of the Geosynthetics Division consists of the following members:

- Chair: Andrew Lister, TenCate Geosynthetics  
[a.lister@tencate.com](mailto:a.lister@tencate.com)
- Vice-Chair: Eric Blond, SAGEOS / CTT Group  
[eblond@gcttg.com](mailto:eblond@gcttg.com)
- Secretary: Marolo Alfaro P.Eng, University of Manitoba
- Past-Chair: Jean Lafleur ing, Ecole Polytechnique

**Affiliations with Other Organizations**

The Geosynthetics Division is affiliated with the North American Geosynthetics Society NAGS.

**List of Activities**

Discussions are still underway to develop a collaboration with NAGS within the 2013 CGS conference in Montreal.

**Financial Status**

No credits nor expenses since last year.

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**Hydrogeology Division - Richard Jackson, Chair**  
**Report of Activities July 1, 2009 to June 30, 2010**

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**Introduction**

The Hydrogeology Division (HGD) of CGS has the mandate to promote and facilitate the advancement, exchange and transfer of knowledge, skills and experience in the field of hydrogeology for the benefit of CGS members and the geotechnical and geoenvironmental profession.

**Executive Committee**

The 2010 Executive Committee of the HGD consists of the following members:

CGS-HGD Executive Committee			
Chair	Richard Jackson	INTERA Engineering Ltd., Heidelberg ON	<a href="mailto:rjackson@intera.ca">rjackson@intera.ca</a> 519-699-4657
Vice-Chair	Chris Neville	S.S.Papadopoulos Assoc, Waterloo	cneville@sspa.com
Past-Chair	René Lefebvre	INRS-ETE, Québec	rene_lefebvre@inrs-ete.quebec.ca
IAH Liaison	Grant Ferguson	St. Francis Xavier University	gferguso@stfx.ca
Member-at-large	Alain Rouleau	Université du Québec à Chicoutimi	arouleau@uqac.quebec.ca
Member-at-large	Djaouida Chenaf	Royal Military College	Chenaf-d@rmc.ca
Member-at-large	Michel Tetreault	Royal Military College	Tetreault-m@rmc.ca
Member-at-large	John Gale	Memorial University	jpgale@mun.ca
Member-at-large	Lee Barbour	University of Saskatchewan	lee.barbour@usask.ca

Chris Neville, formerly vice president of the CNC-IAH, has agreed to become Vice Chair of the HGD and will become Chair of the HGD for 2011, 2012 and 2013. Chris is from Montréal and has a B.Sc. in civil engineering from McGill University, he studied geotechnical engineering at the University of Alberta and he has an M.Sc. in hydrogeology from the University of Waterloo. He is vice-president of S.S. Papadopoulos & Associates, Waterloo, Ontario.

**Affiliations with Other Organizations**

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

The other link with the IAH-CNC is the review and selection of the Farvolden Award winner. The CGS shares the award of the Robert N. Farvolden Award with the IAH-CNC. The Award was first presented in 2000 and renamed in 2002 after the late Professor Farvolden, founder of the hydrogeology programs at the Alberta Research Council and University of Waterloo. The winner of the Farvolden Award for 2010 was first announced at the *GeoCanada2010* meeting in Calgary in May by the President of the CNC/IAH. The 2010 Farvolden Award will be presented during the annual CGS meeting in Calgary – GEO2010 – in September. The 2010 winner of the Farvolden Award is Robert van Everdingen of Calgary for his lifetime

work on hydrogeology and permafrost studies. It is our understanding that Dr. van Everdingen will accept the award in person at the 2010 Canadian Geotechnical Conference in Calgary.

### Membership Information

The membership of the HGD includes approximately 80 members of the CGS who listed the HGD as their first or second choice. About 30 of these HGD members are also dues-paying members of the CNC-IAH.

### List of Activities

Two special hydrogeology sessions are planned for **Geo2010** in Calgary that will be of interest to engineering geologists and geoenvironmental engineers within the CGS. Bruno Bussi re of University of Qu bec in Abitibi-T miscamingue and John Molson of Universit  Laval, Qu bec are organizing a special session on the *Quantitative Analysis of Mine Drainage*. Furthermore, a session on Groundwater Flow Systems and Slope Stability is being organized by the Hydrogeology Division.

The HGD supported the *Aquitard Hydrogeology Symposium* that was held at the University of Saskatchewan in June 2009. *Aquitard Hydrogeology II* is presently being organized in association with the Ottawa Geotechnical Group and Prof John Cherry of the University of Guelph.

Chris Neville, HGD Vice Chair, Tammy Middleton of the Waterloo Regional Government and Dick Jackson have successfully held a monthly series of talks over the past three winters on **hydrogeological practice** in Kitchener and Cambridge, Ontario. This collaboration between the HGD and the CNC/IAH is a model for other regions. These present a forum at which the dozen consulting companies in Kitchener-Waterloo, Cambridge, Guelph and London areas of southern Ontario can learn of (a) advances in hydrogeological practice in North America, (b) engineering developments with a strong hydrogeological component, and (c) the latest hydrogeological research being conducted in southern Ontario. The speakers to date are listed below.

Date	Speaker	Affiliation	Topic	Attendance
October 6, 2009	Jim Barker	University of Waterloo	A historical perspective on hydrocarbon contamination	35
November 3, 2009	Steve Worthington	Worthington Groundwater	Permeability distribution in carbonate aquifers: from Henry Darcy to recent numerical models of karstification	70
December 2, 2009	Martin Ross	University of Waterloo	Geomodeling glaciated terrains in 3D for hydrogeologic applications	28
March 3, 2010	Pete Pehme	University of Guelph	Addressing Groundwater Problems with Modern Geophysical Technologies	30
April 6, 2010	Ed Sudicky	University of Waterloo	Insights from Coupled Surface/Subsurface Hydrological Simulations: From the Scale of a Rainfall-runoff Experiment to the Continental Scale	45
May 4, 2010	Clare Robinson	University of Western Ontario	Surface water-groundwater interactions	35

### Financial Status

The CGS is not holding any funds for the HGD

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**Rock Mechanics Division - Chris Hawkes, Chair**  
**Report of Activities – July 1, 2009 to June 30, 2010**

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### **Introduction**

The Rock Mechanics Division strives to develop, maintain and promote communications and cooperation between practitioners of rock mechanics and geotechnical rock engineering. It provides its members with opportunities to present the results of professional activities by organizing events and activities to facilitate knowledge, experience and information transfer and exchange. It also provides its members with opportunities to upgrade and update their professional knowledge and skills.

### **Executive Committee**

The 2009-2010 Executive Committee of the Rock Mechanics Division consists of the following members:

Chair: Prof. Chris Hawkes, University of Saskatchewan (chris.hawkes@usask.ca)

Vice-Chair: Prof. Erik Eberhardt, University of British Columbia (erik@eos.ubc.ca)

Member-at-Large: Prof. Giovanni Grasselli, University of Toronto (giovanni.grasselli@utoronto.ca)

### **Affiliations with Other Organizations**

The Rock Mechanics Division is affiliated with the Canadian Rock Mechanics Association (CARMA). Through CARMA, the RMD interacts with the International Society of Rock Mechanics (ISRM). The chair of CARMA is rotated between the CGS-RMD and the Canadian Institute of Mining's Rock Engineering Society (CIM-RES). In 2009, CARMA was chaired by the CGS-RMD chair, Chris Hawkes. In 2010, CARMA is being chaired by the CIM-RES chair (Jamie Archibald). Both Chris Hawkes and Erik Eberhardt of the CGS-RMD are members of the 2010 CARMA executive. Other members of the CARMA executive include Giovanni Grasselli (University of Toronto) who is responsible for secretarial and treasury affairs (and thus serves as a Member-at-Large for the RMD to better coordinate communication between the RMD and CARMA), and John Hadjigeorgiou (CIM-RES executive member).

### **Membership Information**

As of July 2009, there were 213 members listed for the RMD. This includes 82 CGS members who selected the RMD as their first choice, 128 who chose the RMD as their second choice (7 of whom elected to pay an incremental ISRM membership fee), and 3 who did not choose the RMD as their first or second choice, but who paid an incremental ISRM membership fee.

### **Financial Status**

The RMD itself has no finances. The CGS feeds membership dues for RMD members directly to CARMA. Information on CARMA's financial status is available via <http://www.carma-rocks.ca/memberinfo.html>. As of March 2010, the balance of CARMA's bank account was approximately \$60,000, with outstanding liabilities of approximately \$6,000, for a net balance of approximately \$54,000.

### **List of Activities**

- Canadian Rock Mechanics Symposium

Background: The RMD is working with the CIM Rock Engineering Society to develop a strategy for the continuation of the Canadian Rock Mechanics Symposium. In January 2008, the American Rock Mechanics Association (ARMA) decided to discontinue its agreement with CARMA to hold a joint meeting in Canada every three years. Instead, they wish to hold a U.S. (or U.S.-Canada) Rock Mechanics Symposium every year to avoid a year of lost revenue and membership recruiting potential. Given the success of the CARMA meeting in Vancouver (May 2007), it is our intention to continue with a Canadian Rock Mechanics Symposium without ARMA's direct participation.

Status: A CARMA-sanctioned symposium (the 20<sup>th</sup> Canadian Rock Mechanics Symposium and 3<sup>rd</sup> Canada-U.S. Rock Mechanics Symposium; titled RockEng09) was held in Toronto in May 2009, in conjunction with the CIM Annual Meeting. The symposium was attended by 205 participants, included over 90 technical papers, and generated a net profit of \$20,149.05 which has been shared equally

between the CIM (\$10,074.52) and CARMA (\$10,074.53). The CARMA executive deemed this conference format to have been a success, and has compiled and documented ideas on how it can be further improved in the future. On March 29, 2010, the CARMA executive unanimously decided to proceed with this symposium format for the next Canada-U.S. Rock Mechanics Symposium, to be held in Edmonton in 2012.

- The RMD (through CARMA) is supporting a bid by McGill and Queen's Universities to jointly host the 13<sup>th</sup> ISRM Congress in Montreal in 2015. The proposed theme is "Innovations in Applied and Theoretical Rock Mechanics." A presentation of this bid was given to the ISRM by Dr. Feri Hassani (McGill) in May 2009. The ISRM will decide on the host site at its council meeting in the spring of 2010. CARMA is currently lobbying members of the ISRM council to support this bid.
- In July 2009, a selection committee created and chaired by the CGS-RMD chair selected Doug Stead as the winner of the 2009 John F. Franklin award, for contributions made in the fields of rock mechanics and rock engineering. Established in 1993, the Award honours the past President of the International Society for Rock Mechanics (ISRM), John A. Franklin.
- In September 2009, the CARMA executive approved an amendment to the CARMA constitution. The most noteworthy change was the addition of a clause stating that CARMA shall make every reasonable effort to send a representative to ISRM meetings at which deliberations, decisions, votes and/or presentations impacting CARMA are being made; this clause includes a description of the process to be followed by CARMA's representative at such meetings, including travel expense pre-authorization and post-meeting claims. The second change of note was the clarification of finance-related duties of CARMA's Secretary/Treasurer. The CGS-RMD executive participated in the drafting of these amendments, and voted to approve them.
- Attendance at the division's annual general meeting (AGM), which was held in conjunction with September's GeoHalifax'09 conference, was poor. In order to solicit broader RMD member input on key issues (esp. the need for a new vice-chair for next year, and a request for ideas on how to use some of CARMA's cash assets for the benefit of its members), an AGM follow-up email was sent to all RMD members in December 2009. Information on key issues, and a request for feedback, was included in the message. The response to this message has been extremely limited. The RMD executive will take a more aggressive approach to promoting attendance at the AGM in Calgary, to ensure that its members are more engaged in the division's activities.
- On March 29, 2010, the CARMA executive agreed to provide a \$5000 loan to facilitate start-up of the Eighth International Symposium on Rock Slope Stability in Open Pit Mining (Slope Stability 2011), in response to a request from the primary organizers of the symposium. Should a profit be realized by Slope Stability 2011, which is being held in Vancouver, BC, the accepted loan will be paid back, with additional reimbursement being potentially offered contingent upon profits made.

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***Soil Mechanics and Foundations Division - Jitendrapal (Jit) Sharma, Chair  
Report of Activities – July 1, 2009 to June 30, 2010***

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### **Introduction**

The mandate of the Soil Mechanics and Foundations Division is to promote classical geotechnical and foundation engineering research, to promote the documentation of case histories and experience of practicing engineers, and to promote and facilitate the continuing education of our members. This occurs through the regular technical meetings at the local level, through short courses and symposia, through support for the Cross Canada Lecture Tour, through our annual conference and via our liaison with the International Society of Soil Mechanics and Geotechnical Engineering.

## **Executive Committee**

The 2009-2010 Executive Committee of the Soil Mechanics and Foundations Division consists of the following members:

*Chair:* Jitendrapal (Jit) Sharma, University of Saskatchewan, Saskatoon. [J.Sharma@usask.ca]

*Vice-chair:* Bipul Hawlader, Memorial University of Newfoundland, St. Johns. [bipul@mun.ca]

*Past Chair:* Tim Newson, University of Western Ontario, London. [tnewson@eng.uwo.ca]

### *Members:*

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

Denis LeBoeuf, Université Laval, Québec. [denis.leboeuf@gci.ulaval.ca]

John Sobkowicz, Thurber Engineering Ltd., Calgary. [jsobkowicz@thurber.ca]

Roger Skirrow, Alberta Infrastructure and Transportation, Edmonton. [Roger.Skirrow@gov.ab.ca]

Sean Hinchberger, Hatch Engineering, London. [shinchberger@hatch.ca]

Andrew Take, Queens University, Kingston. [andy.take@civil.queensu.ca]

Mohamed Meguid, McGill University, Montreal. [mohamed.meguid@mcgill.ca]

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

M. Kamran Khan, Ministry of Transport Ontario, London. [MuhammadKamran.Khan@ontario.ca]

## **Affiliations with Other Organizations**

The Soil Mechanics and Foundations Division is not currently affiliated with any other organizations.

## **Membership Information**

As of June 4, 2010, 575 out of a total of 1117 CGS members (51%) have selected SMFD as their first-choice Division. Of the 575 members, 478 are regular CGS members, 26 are student members, 35 are international members and 31 are retired members. Last year, this ratio was 395 out of 834 (47%). At the end of the year in 2008, the ratio was 683 out of 1230 (56%). So, there is a drop of 5 percentage points in the first choice SMFD membership numbers. That being said, the numbers continue to be strong and indicate that the interest in the SMFD and its activities has been steady for the past three years.

Nevertheless, I feel that there's an urgent need to establish more effective ways of communication among SMFD members and to hold more meaningful annual meetings.

## **List of Activities**

### Committee and Division Activities

The 2009 annual meeting of the Division took place on Tuesday September 22, 2009 from 5.30 pm to 6.30 pm at the 2009 Halifax Conference. The Chair of the Division could not attend the meeting because of his poor health at that time. The meeting was coordinated by Dr. Bipul Hawlader. The agenda for the meeting consisted of discussing recent foundation failure case studies, upcoming geotechnical conference and short courses related to soil mechanics and foundations, current research needs and trends, etc. The following report of the meeting was submitted by Dr. Hawlader:

We had a very good discussion in SMFD meeting in Halifax. Some of our senior members including Dennis Becker attended the meeting. We discussed following items:

- **Mandate:** Some of us were not very clear about the mandate of SMFD. As Tim Newson wrote in 2006 Report of Activity: "The mandate of the SMFD is: to promote classical geotechnical and foundation engineering research; to promote the documentation of case histories and experience of practicing engineers; and, to promote and facilitate the continuing education of our members. This occurs through the regular technical meetings at the local level, through short courses and symposia, through support for the Cross-Canada Lecture Tour, through our annual conference and via our liaison with the International Society of Soil Mechanics and Geotechnical Engineering." As it is very broad, some members proposed the idea of having some specific short-term goals.
- **Succession Planning:** Dr. Dennis Becker suggested that the Division might think about appointing a Vice-chair.

- CGS conference: Some suggested SMFD might be involved in organizing technical papers related to foundation design for CGS conference.
- Foundation design: Need of research/design method using reliability-based design approach was discussed.

In response to some of the discussion at the 2009 annual meeting, the Chair sent out an e-mail to the Executive Committee of the Division, soliciting a volunteer to serve as Vice-chair of the Division. The Chair is delighted to report that the Executive Committee unanimously approved the appointment of Dr. Bipul Hawlader as the Vice-chair of the Division. Over the next several months leading to the Calgary CGC, the Executive Committee will discuss ways of making the Division's annual meeting more meaningful and focused by identifying important topics and speakers.

One of the key activities of the Division is to administer the nominations for the Meyerhof Award and to select a worthy winner each year. This year, only one nomination has been received by the Division on or before the stipulated deadline of June 1, 2010. The Chair has subsequently contacted a few prominent CGS members and has asked them to suggest a few names from CGS membership for nomination to this award.

#### The Seventeenth ICSMGE 2009, Alexandria, Egypt

The SMFD Executive Committee led by Dr. Jit Sharma played a crucial role in collecting the Canadian contributions for this conference as required by the ISSMGE. Twenty eight abstracts were submitted to the SMFD committee out of which 21 abstracts were accepted (due to page limits in the final proceedings), 4 abstracts were put on a reserve list and 3 abstracts were rejected. The deadline for submission of full papers for peer-review process was set at January 31, 2009. Eventually, a total of 19 full papers were submitted. Two abstracts were withdrawn by their respective authors. The Committee arranged for the peer-reviewing of these 19 papers. Each paper was peer-reviewed by at least two reviewers. The authors were informed of the results of the peer-review process in the beginning of March 2009 and were required to submit final camera-ready versions of their respective papers by Tuesday March 10, 2009. Final versions of nearly all of the 19 papers were received by this stipulated deadline.

After checking for compliance with the formatting instructions, the final versions of the 19 papers along with completed and signed Copyright Transfer forms and Contact Information forms were submitted to the Conference Organizing Committee (COC) of ICSMGE 2009 before the stipulated deadline of March 17, 2009. Electronic submission was done through a FTP service set by the COC. A package containing two printed copies of each paper, printed copies of the Copyright Transfer forms and the Contact Information forms, and a CD-ROM containing MS Word document files for the 19 papers was sent via courier to the COC on Friday March 13, 2009. A confirmation of the timely receipt of the package by the COC was received on Thu March 19, 2009.

Unfortunately, none of the 19 Canadian papers were included in the Proceedings of the Conference, probably because of communication breakdown between the COC and the publishers of the Proceedings. Papers from several other countries were also excluded from the Proceedings. The Chair of SMFD contacted the COC to gauge the situation. He was reassured that the 19 papers from Canada along with other excluded papers from various countries will be published in Volume 5 of the Proceedings. The COC has promised to mail a printed copy of Volume 5 to all those authors who attended the conference.

#### The 4<sup>th</sup> iYGEC 2009 Conference, Alexandria, Egypt

The 4th International Young Geotechnical Engineers' Conference (iYGEC) was held from the 3rd to the 4th October, 2009 at the El-Mahrousa Hotel in the Alexandria, Egypt. The mandate of the conference was to facilitate sharing of ideas and experiences by young geotechnical engineers (age 35 years or less on 31st December 2008). The Chair of the SMFD was asked to coordinate the submission and peer-review of abstracts and full papers by the two CGS nominees (Ms. Suzanne Powell of Queens' University, Kingston and Mr. Kent Bannister of Manitoba Hydro, Winnipeg; nominated by the CGS Education Committee) to this conference. The two full papers were received and peer-reviewed in a timely manner and were e-mailed and couriered to the Conference Organizing Committee (COC) well before the May 15, 2009 deadline. The following report on the conference was submitted by Mr. Kent Bannister:

The 4th iYGEC was held in Alexandria, Egypt and was attended by 84 delegates from 44 countries, split almost evenly between academia and industry. The first two days of the conference consisted of technical presentations by the delegates. Social events were held each evening. Through presentations, conversations and the sharing of ideas, the delegates learned about societal and political challenges that influence geotechnical work conducted around the world. The intimate conference setting promoted the collaboration and building of professional relationships outside the technical sessions. Delegates were then invited to attend the first two days of the ICSMGE, including “State-of-the Art” and “Special” lectures. The iYGEC delegates were given the option, at their cost, of registering for the remaining days of technical presentation at the ICSMGE.

Through attendance at both the 4th iYGEC and 17th ICSMGE, contacts and friendships were forged that will prove beneficial for the duration of our careers. We would both like to thank the CGS for providing us with this unique opportunity and would encourage the CGS to continue their support of this once in a lifetime event in the future. The experience was worthwhile and one that we will never forget!

#### ICSMGE Pan-American Conference – Toronto 2011

Preparations for hosting the next Pan-American Conference XIV on Soil Mechanics and Geotechnical Engineering in Toronto (2011) are in full swing. The SMFD Executive Committee has supplied the conference with Chair (Dr. Tim Newson) and two members (Dr. Jit Sharma and Dr. Sean Hinchberger) of the Technical Sub-committee. The theme of the conference will be “Geo-Innovation for Addressing Global Challenges”. The website for the conference is now live at <http://www.panam-cgc2011.ca/>. The next bulletin and Call for Papers will be sent out in mid-April 2010. Abstract due date will likely be in mid-July 2010 and acceptance of abstract will be conveyed to authors by October 2010. The due date for submission of full papers has not yet been finalized, but will likely be in January/February 2011. The Conference Organizing Committee is currently in process of forming an International Advisory Committee that will comprise senior professionals who would help in identifying keynote speakers, paper reviewing and marketing of the Conference. As with ICSMGE 2009, the Executive Committee will coordinate the collection and peer-review of technical papers for this conference as well.



**Section Summary Report- Sections Representative- Marolo Alfaro  
Report of Activities – July 1, 2009 to June 30, 2010**

**Introduction**

Section reports for 2009-2010 have been submitted by 20 local sections of the CGS. Most local sections have reported being active during the year. Local sections have provided their members access to technical presentations, and special events such as the Cross-Canada Lecture Tours, student forums and social activities. There were 107 technical presentations, 1 short course, and 1 symposium held during this reporting period.

The financial status of larger sections remains in excellent conditions. Majority of these sections continue to sponsor students or engineers-in-training to attend annual CGS conferences.

A summary of the available information from the Sections (grouped by Regions) is presented below. Further information regarding the local programming is provided in the reports prepared by each of the Section Directors and attached in the following pages.

Region	Section	Number of Events		Total Events
		Technical Presentations	Workshops/ Short Courses	
Atlantic	New Brunswick	0	0	0
	Halifax, NS	1	0	1
	St. John's, NF	0	0	0
Eastern Quebec	Quebec city	8	0	8
Western Quebec	Montreal	12	0	12
Northern and Eastern Ontario	Kingston	7 <sup>4,5</sup>	0	7
	Ottawa	12 <sup>4,5</sup>	0	12
	Thunder Bay	2	0	2
Southern Ontario	London	6	0	6
	Sudbury	0	0	0
	Toronto	8 <sup>3</sup>	0	8
Manitoba	Winnipeg	8 <sup>2</sup>	0	8
Saskatchewan	Regina	1	0	1
	Saskatoon	4	0	4
Southern Alberta	Calgary	8 <sup>3</sup>	0	8
Northern Alberta	Edmonton	8 <sup>1,2</sup>	0	8
British Columbia	Kelowna	5	0	5
	Prince George	2	0	2
	Vancouver	7	2 <sup>5</sup>	9
	Victoria	8	0	8
<b>Total</b>		<b>107</b>	<b>2</b>	<b>109</b>

- Notes:
- <sup>1</sup> It included one student competition.
  - <sup>2</sup> There were two presentations in one event.
  - <sup>3</sup> Plus one or two award night(s).
  - <sup>4</sup> There were four presentations in one event.
  - <sup>5</sup> Joint presentations.

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**Vancouver Island Section - Deyab Gamal El-Dean, Section Director**  
**Report of Activities - July 1, 2009 to June 30, 2010**

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**Introduction**

This report summarizes the activities of the Vancouver Island Geotechnical Group (VIGG) of the Canadian Geotechnical Society for the period from July 1, 2009 to June 1, 2010. The group has active members across southern and central Vancouver Island.

**Executive Committee**

The 2009-2010 executive committee of the Vancouver Island Geotechnical Group consists of the following members:

Section Director/Chair:	Deyab Gamal El-Dean, P.Eng., Levelton Consultants Ltd.
Vice-Chair/Program Director:	Jay McIntyre, P.Eng., Thurber Engineering Ltd.
Secretary / Treasurer:	Sarah Morse, P.Eng., Golder Associates Ltd.
Member at Large:	Richard Brimmell, P.Eng.

We are planning to enlarge the EC of our Group to be more structured to better serve the members and easily achieve our goals. We invited the members to volunteer to fill three vacant positions (Registrar, Web Manager & Advisor).

**Membership and Sponsorship**

It is believed that about 15 to 20 of the regular attendees (25 to 30 professionals) are CGS members. The remaining attendees are comprised of non-geotechnical professionals (hydrogeologists, geophysicists, etc.) and retired engineers.

Two presentations were sponsored by two local contractors (Dr. Yasser Abdelghany and Mr. Jeff Schaeffers presentations). Technical brochures and publications were handed out to the attendants.

**Meetings**

As in past years, the Vancouver Island Geotechnical Group conducted its meetings in a luncheon format. A total of 8 luncheons have been held during the subject period, with guest speakers and topics as indicated in Table 1 below. We have continued to try to provide attendees with a wide variety of topics. Attendance varied between 16 and 28. No additional talks are planned till Sept. of 2010/11 season.

**TABLE 1 - 2008/2009 VIGG SPEAKERS**

Date	Speaker	Attendance	Topic
September 18, 2009	Mel Best., P.Eng.	16	Integrated geophysical study of Islandmagee, Northern Ireland
October 28, 2009	Prof. Kyle Rollins, Ph.D., P.Eng.	28	CCLT - Evaluation of Innovative Liquefaction Mitigation Strategies
November 27, 2009	Chris Weech, P.Eng.	23	Highway Embankment Construction over Soft Soils in the Lower Mainland of British Columbia
January 22, 2010	Yasser Abdelghany, Ph.D., P.Eng.	21	Monotonic and Cyclic Behaviour of Helical Screw Piles under Axial and Lateral Loading

February 19, 2010	Jeff Schaeffers, ConTec	20	Recent Developments in In-Situ Techniques and Applications of CPT Data for Site Characterization
March 19, 2010	Stephen Bean, P.Eng., M.Eng	28	North Beach Rock Slide – A Goat’s Perspective
April 22, 2010	Don W. Hayley, P.Eng., FEIC	18	Global Warming and Northern Infrastructure — an Update on Adaptation Strategies for Design of Foundations on Permafrost, Spring CCLT
May 18, 2010	Dr. Bengt H. Fellenius, Dr. Tech., P.Eng.	26	Application of the unified design of piled foundations - a case history

### Financial Status

The 2008-2009 year-end financial balance of the VIGG was \$ 1466.40. Generally some profit is made on the luncheons. We were successful in raising additional funds through acquiring sponsors. A support of \$600 was donated to the Group from the sponsors. The current balance is \$2048.41.

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***Vancouver Section (VGS) - (Uthaya) M. Uthayakumar, Section Director  
Report of Activities – July 1, 2009 to June 30, 2010***

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### Introduction

This report is a summary of the activities of the Vancouver Geotechnical Society of the Canadian Geotechnical Society, for the period from July 1, 2009 – 31 May 2010. The group has active members from the Greater Vancouver area and two members from Kelowna, BC. A dedicated executive committee has been successful in organizing several well-attended presentations and seminars throughout the season. For further information, please see the VGS web site: <http://www.v-g-s.ca/>

### Executive Committee

The 2009-2010 Executive Committee of the Vancouver Geotechnical Society consists of the following members:

*Chair:* Chris Anderson, Golder Associates, Burnaby, BC  
*Past-Chair:* David Regehr, Thurber Engineering Ltd, Vancouver, BC  
*Secretary:* Jason Pellett, EBA Engineering Consultants Ltd., Vancouver, BC  
*Treasurer:* Marc Bossé, Trow Associates Inc., Burnaby, BC  
*Program Director:* Chris Williams, Golder Associates, Burnaby, BC  
*Registrar:* S. Sriskandakumar, BGC Engineering, Vancouver, BC  
*Web Manager:* Carl Kelman, Levelton Consultants Ltd., Richmond, BC  
*CGS Director:* M. Uthayakumar, Trow Associates Inc., Burnaby, BC

### Activities

The VGS executive committee meets approximately once a month to organize technical presentations and social events, and to review issues relevant to the society membership. Generally, the executive meetings take place immediately before the monthly technical presentations. The attendance at the technical presentation ranges from about 60 to 100 persons. The executive also maintains regular ties with other geotechnical groups in British Columbia and Washington State. Notices of upcoming events held by other similar local organizations are distributed to all VGS members in addition to notices of VGS events.

## **Membership Information**

Currently, the Vancouver Geotechnical Society has 145 members, 14 life members and 15 student members, to a total of 174.

## **Meetings**

The 2009 - 2010 meetings held to date were as follows:

1. September 29, 2009 – VGS Annual General Meeting  
“*Geotechnical Aspects of Vancouver Convention Centre Expansion Project*”  
Presented by Dr. M (Yogi) Yogendrakumar, Golder Associates Ltd., Burnaby.
2. October 28, 2009  
Cross Canada Lecture Tour – Fall 2009 “Lateral Load Analysis of Pile Groups Based on Full-Scale Testing”  
Dr. Kyle Robbins, Professor of Civil and Environmental Engineering, Brigham Young University, Utah.
3. November 26, 2009  
“North Beach Rock Slide - A Case History”  
Stephen M. Bean, Thurber Engineering Ltd., Victoria.
4. January 28, 2010  
“Karst and Its Influence on Tailings Dams I Have Known and Loved”  
Dr. Iain Bruce, BCG Engineering Inc., Vancouver.
5. March 16, 2010  
“Site Response Evaluation in Geotechnical Earthquake Engineering Practice”  
Dr. Steven Kramer, Professor, University of Washington, Washington.
6. April 22, 2010  
Cross Canada Lecture Tour - Spring 2010: “Design, Construction and Operation of Dams in Permafrost Regions”.  
Don Hayley, Founding partner of EBA Engineering Consultants Ltd.
7. May 20, 2010  
“Ongoing Challenges in Engineering Geology for Tunneling in Difficult Ground”.  
Dr. Paul Marinos, Professor of Engineering Geology at the University of Athens

In addition, VGS organized a short course on “Soil Liquefaction”, held on December 05, 2009 and offered by Profs. I.M. Idriss and R.W. Boulanger, University of California, Davis. The course was attended by more than 85 participants.

The 19<sup>th</sup> annual symposium of the VGS will be held on June 11, 2010. The topic of the symposium is Geosynthetic Reinforced Walls, Slopes and Earthworks.

## **Financial Status**

The VGS's operating budget is primarily funded by profits from past symposia, technical short courses and conferences. As of April 2010 the VGS balance is \$75,349.02 of which \$52,047.42 is currently invested in a business savings account at ING bank, with the remainder to be used for regular operations.

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**Prince George Section (PGGG) - Doug Dewar, Section Chair**  
**Report of Activities - July 1, 2009 to June 30, 2010**

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**Introduction**

This interim report is a summary of the activities of the Prince George Geotechnical Group of the Canadian Geotechnical Society, for the period from July 1, 2009 to June 30, 2010.

**Executive Committee**

The 2010 Executive Committee of the Prince George Geotechnical Group consists of the following members:

*Chair: Doug Dewar*

*Vice-Chair: Dave McDougall*

*Secretary/Treasurer: Nick Ekman*

*Past-Chair: Nick Polysou*

**Activities**

**Membership/Sponsorship**

The Prince George Geotechnical Group currently has over 25 active members. As in past years, our corporate sponsors AMEC Earth & Environmental Limited and GeoNorth Engineering have very generously supported the local organization. The donations from our sponsors help reduce the costs of hotel bills and catering costs.

This year we have had two great CCLT talks:

Oct. 29, 2009: Dr. Kyle Rollins, "Lateral Pile Loading"

April 23, 2010: Don Hayley, "Assessments of Warming trends on Arctic Infrastructure"

**Financial status**

The PGGG has 320 dollars in our swiss bank account.

**Additional Information**

Over the next few months the PGGG will be hosting a series of talks from local practicing geotechnical specialists as part of continuing professional development activities.

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**Interior Geotechnical Group (IGG) - Dwayne Tannant, Section Director**  
**Report of Activities – July 1, 2009 to June 30, 2010**

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**Introduction**

This report is a summary of the activities of BC's Interior Geotechnical Group (IGG) of the Canadian Geotechnical Society for the period from July 1, 2009 to June 30, 2010. The group has active participants from across south central British Columbia, particularly from Kelowna and surrounding areas.

**Executive Committee**

The 2010 Executive Committee of the Interior Geotechnical Group consists of the following members:

Chair: Dwayne Tannant, University of British Columbia - Okanagan

Program Director: Norm Williams, Interior Testing Services

Treasurer: Glen Rutherford, Golder Associates

## Activities

Specific CGS activities for the period are listed under meetings.

## Membership (and Corporate Sponsorship)

The Interior Geotechnical Group has a membership of approximately 10+ CGS members from south central British Columbia, but attracts attendance (and solicits membership to the society) from the larger community of engineers, and geoscientists (including students, practitioners, and researchers) from the Okanagan area. The contact list for meetings currently has 77 active email addresses.

Conetec provide corporate sponsorship to cover some of the costs for one dinner meeting in May. There are no membership fees since managing the collection of money is not manageable with the small executive. Instead, a nominal fee is charged at each meeting to cover meeting expenses. Students are free.

## Meetings

Technical presentation meetings in the time period were:

September 30, 2009: Golden Ears Bridge - Geotechnical Design Aspects by Ernest Naesgaard & Ali Amini

February 3, 2010: Sonic Drilling by Gordon Gibbons, Mud Bay Drilling

March 25, 2010: Geotechnical Site Investigation Using Photogrammetry by Dr. Dwayne Tannant, UBCO

April 8, 2010: Design, Construction and Operation of Dams in Permafrost Regions by Don Hayley (CCL)

May 13, 2010: Recent developments for in-situ techniques and applications of CPT data for site characterization by Jeff Schaeffers, Conetec

## Financial status

The Interior Geotechnical Group continues to operate on a break-even basis with a current balance of approximately \$500. We use lecture room facilities at the University of British Columbia - Okanagan to reduce the costs for our meeting rooms.

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## ***Northern Alberta, N.W.T. Yukon Section – David Caughill, Section Director Report of Activities July 1, 2009 to June 30, 2010***

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## Introduction

The Geotechnical Society of Edmonton (GSE) started the 2009-10 year by hosting the Annual Wine and Cheese Reception with the University of Alberta students on September 30, 2009. This was followed by the Jahn's Lecture and the fall Cross-Canada Lecture. We have since had monthly lectures and held a one-day symposium of the subject of ground improvement on March 25. Two more lectures concluded the activities for the year, including the spring Cross-Canada Lecture and our annual general meeting.

The GSE continues to be a vibrant and dynamic organization. Numerous members attended the various activities organized this past year whereas others volunteered to fill positions on the GSE executive.

## GSE Executive Committee

*The 2009-2010 executive committee of the Geotechnical Society of Edmonton consisted of the following members:*

Past-President:	Kevin Biggar, BGC Engineering
President:	Sean Birch, AMEC Earth & Environmental
Vice-President:	Yves Cormier, Stantec
Treasurer:	Rocky Wang, Government of Alberta
Program Chairman:	Kristen Tappenden, City of Edmonton
Secretary:	Adam Gmeinwaser, EBA Engineering Consultants Ltd.
Registrar:	Don Lewycky, City of Edmonton
U of A representative:	Alireza Bayat, University of Alberta

NAIT representative:	John Percival, Northern Alberta Institute of Technology
Web Master:	Ken Froese, Thurber Engineering Ltd.
CGS Representative:	David Caughill, Golder Associates Ltd.
Student Member	Nicholas Beier, University of Alberta
Member-at-large	Murray Innes, Mobile Augers
Member-at-large	Karen Jardine, Strathcona Environ. Coordination Services Inc.
Member-at-Large	Maurice Lizee, Worley Parsons
Member-at-large	Amanda MacKay, Government of Alberta

Activities hosted and/or organized by the Geotechnical Society of Edmonton were as follows:

Date	Activity	Presenter
September 30, 2009	Evening Wine & Cheese Reception: University of Alberta Student presentations <i>Characterization of Oil Sands Naphthenic Acids in Oils Sands</i>  <i>Process-Affected Waters Using Fluorescence Technology</i>	Lisa Brown, Ph.D. Candidate  Tai-Hoon Kim, Ph.D. Candidate
October 13, 2009	Jahn's Lecture: <i>Of Elephants, Earthquakes, Caves and Hot Rock - Recent Geological Engineering Adventures</i>	Dr. Ed Medley, Geosyntec Consultants
October 27, 2009	Cross-Canada Lecture Tour: Lunch Presentation: <i>Lateral Load Analysis of Pile Groups Based on Full-Scale Testing</i>	Dr. Kyle Rollins, Brigham Young University
November 26, 2009	Lunch Presentation: <i>Urban Geology and Hazards: A Technology Update</i>	Dr. Corey Froese, M.Sc, P.Eng. P.Geol, Alberta Geological Survey
January 27, 2010	<i>Lunch Presentation: Karst, and its Influence on Tailings Dams I Have Known and Loved</i>	Mr. Iain Bruce, President, BGC Engineering Inc.
February 25, 2010	Lunch Presentation: <i>High Capacity Helical Piles - A New Dimension for Deep Foundations</i>	Dr. Mohammed Sakr, P.Eng., Almita Manufacturing Ltd.
March 25, 2010	GSE: 2010 Annual Symposium - AM: Ground Improvement by Hayward Baker & PM: Local Geotechnical Engineers, Reprise of 2009 CGS Papers	Various speakers on the topic of ground improvement
March 30, 2010	Annual Retaining Wall Competition	Annual retaining wall competition at the University of Alberta
April 21, 2010	Cross Canada Lecture Tour: Lunch Presentation - <i>Global Warming and Northern Infrastructure — an Update on Adaptation Strategies for Design of Foundations on Permafrost</i>	Mr. Don Hayley, P.Eng., FEIC
May 10, 2010	GSE Annual General Meeting Evening Presentation: <i>Northwest Anthony Henday Drive P3 Project – Designer's Point of View</i>	Mr. Wayne Tomlinson, P.Eng., Manager Special Projects, AECOM

### Membership and Corporate Sponsorship

As of May, 2010, the Section had 158 regular members, 48 students, 4 retired and 21 GSE Award Winners (lifetime award) for a total of 231 members.

## Meetings

The GSE executive held regular monthly meetings throughout the year in order to review the financial status of the GSE, progress on the technical program, as well as exchange information with representatives from the University of Alberta and NAIT.

## Financial status

The financial status of the GSE remains in excellent condition.

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## ***Southern Alberta Section - Marcia MacLellan, Section Director*** ***Report of Activities – July 1, 2009 to June 30, 2010***

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## Introduction

This region consists of one group based in Calgary, but services other surrounding municipalities and those in southern Alberta.

Membership numbers in the Southern Alberta region remain strong with about 150 members, many of whom participate in our monthly lecture series.

## Executive Committee

The 2009-2010 executive committee of the Calgary Geotechnical Group consists of the following members:

Co-Chair:	Justyna Kos	Syncrude Canada
Co-Chair:	Frank Magdich	Oak Environmental
Past Chair:	Simon Cullum-Kenyon	Thurber Engineering
Treasurer:	Justyna Kos	Syncrude Canada
	Bhamisha Ramdharry	Thurber Engineering
Venue Coordinator:	Angela Beattie	Golder Associates
Announcements:	Mauricio Pinheiro	University of Calgary/ Thurber Engineering
Webmaster:	Mauricio Pinheiro	University of Calgary/ Thurber Engineering
Student Rep.:	Carlos Ordonez	University of Calgary
Southern AB Rep.:	Marcia MacLellan	Klohn Crippen Berger
Member At Large:	Catherine Fear	AMEC Earth and Environmental
Member At Large:	Blaine Penny	WorleyParsons
Member At Large:	Brad Ellingwood	E2K Engineering
Member At Large:	Daniel Bertrand	AMEC Earth and Environmental
Member At Large:	Mathi Shan	AMEC Earth and Environmental

## Activities

The 2009–2010 calendar has been active and successful for the Calgary Geotechnical Group. The group was successful in organizing quality monthly technical presentations with participation ranging from 30 to 70 attendees. A summary of the activities for the region from Fall 2009 until present follows:

September 17, 2009 Chamika K. Haththotuwa, M.Sc., Ph.D. Candidate, University of Calgary, Alberta  
Winner of the Calgary Geotechnical Society's 2009 Student Travel Award  
Steady State Behaviour of Loose Silty Sands

October 14, 2009 Dr. Edmund Medley, Ph.D., PE, CEG, F.ASCE, Geosyntec Consultants  
2009 Jahns Distinguished Lecture  
The Comforts of Ignorance and the Benefits of Arrogance: Lessons of the Failure Kind for the Geopractitioner



October 21, 2009 Friends of Canada Award presented to the Calgary Geotechnical Society by Alberta Minister of Tourism, Parks and Recreation Cindy Ady and Calgary Mayor Dave Bronconnier for student development and an innovative approach to an industry skills shortage through facilitating the Student/EIT Travel scholarship.

October 26, 2009 2009 Fall CCLT  
Dr. Kyle M. Rollins, Ph.D., Professor of Civil and Environmental Engineering at Brigham Young University, Provo, Utah  
Evaluation of Innovative Liquefaction Mitigation Strategies

December 1, 2009 Mr. Scott Martens, P.Eng., Klohn Crippen Berger  
Earthquake Hazards in Alberta

January 13, 2010 Mr. Roger Skirrow, M.Sc., P.Eng., Alberta Transportation  
Geohazard Risk Management System for Alberta Highways

February 9, 2010 Mr. Rod Kostaschuk, M.Sc., P.Eng., AMEC Earth & Environmental  
Dam and Spillway Construction to Remediate a Failed Reservoir Rim at Priddis Greens Golf and Country Club

March 18, 2010 Mr. Doug Pelly, P.Eng., Golder Associates Ltd.  
Joint Presentation with Canadian Society for Civil Engineering (CSCE)  
Construction Shoring

April 20, 2010 2010 Spring CCLT  
Mr. Don Hayley, P.Eng., FEIC, EBA Engineering Consultants  
Design, Construction and Operation of Dams in Permafrost Regions

May 19, 2010 Calgary Branch Annual General Meeting and Awards Celebration  
Dr. John Sobkowicz, M.Sc., Ph.D., P.Eng., Thurber Engineering  
Tailings Directive 074

The Local Organizing Committee for the 2010 Canadian Geotechnical Conference continues to prepare for a successful and entertaining CGS conference in Calgary in September 2010.

#### **Financial Status**

The Southern Alberta Region is currently in a healthy financial position with a surplus of about \$4,500 (this includes \$3000 loaned to the 2010 Conference LOC). The Calgary Group requested corporate sponsorship in late 2009.

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### ***Saskatoon Geotechnical Group - Bryce Reiter Report of Activities - July 1, 2009 to June 30, 2010***

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#### **2009 – 2010 Executive**

President	Bryce Reiter, WorleyParsons Canada Ltd.
Past President	Andrew Karvonen, MDH Engineered Solutions Corp.
Vice President	Dave Christensen, O'Kane Consultants Inc.
Member at Large	Chris Mathies, Stantec
Member at Large	Cory Zubrowski, P. Machibroda Engineering Ltd.
Member at Large	Dana Fenske, Cameco Corporation
Member at Large	Randal Osicki, MDH Engineered Solutions Corp.
Member at Large	Tyrel Lloyd, Golder Associates Ltd.
U of S Liaison	Jitendra Sharma, University of Saskatchewan

The SGG Executive met once in 2009 and once in 2010.

## Membership

The SGG has averaged 50 paid members annually. For the 2009-2010 year we have 87 paid members. Annual local membership dues are \$30.00.

## Presentations

Feb. 16-10	Scott Blacklock	Rosebel gold mine, Suriname, South America
Mar. 22-10	Gord McKenna	Grouted - in installation of piezometers in boreholes – lessons from the first 20 years
Apr. 19-10	Don Hayley	CCLT – Global warming and northern infrastructure – an update on adaptation strategies for design of foundations on permafrost
May 17-10	Jorge Antunes	Cutarm creek dam rehabilitation

## Awards, Donations and Events

- SGG Annual Scholarship – University of Saskatchewan: \$500.00
- 4<sup>th</sup> Year Student Design Awards and Presentations: \$200.00

## Financial

- Account Balance as of May 2010: \$22,100.00

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***Regina Section – Steven Harty, Section Director  
Report of Activities - July 1, 2009 to June 30, 2010***

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## Introduction

This report is a summary of the activities of the Regina Geotechnical Group of the Canadian Geotechnical Society, for the period from July 1, 2009 to June 30, 2010.

## Executive Committee

The 2009-2010 Executive Committee of the Regina Geotechnical Group consists of the following members:

Steve Harty, P. Eng.	Chair	GE Ground Engineering Ltd.
Allen Kelly, P. Eng.	Program Director	Clifton Associates Ltd.
George Antunes, P. Eng.	Program Director	MDH Engineered Solutions Ltd.
Paul Walsh, P. Eng.	Secretary Treasurer	GE Ground Engineering Ltd.
Lynden Penner, P. Eng, P. Geo.	Section Director	J.D. Mollard and Associates (2010) Limited

## Activities

The following technical presentation was hosted during this period.

April 16, 2010 Mr. Don Hayley Global Warming and Northern Infrastructure-an update on Adaptation Strategies for Design of Foundations on Permafrost

## Membership

The Regina Geotechnical Group currently has 25+ members.

## Meetings

With the exception of the activities outlined above, the Regina Geotechnical Group did not hold any meetings during this period.

## Financial status

The Regina Geotechnical Group has a bank balance in the order of \$15,000.

## Additional Information

The Regina Geotechnical Group provides the University of Regina with an annual \$500.00 scholarship and the SIAST Palliser Institute in Moose Jaw with a \$100.00 book award. The Regina Geotechnical Group also provides sponsorship donations to various local academic functions.

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## ***Manitoba Section - Marolo C. Alfaro - Section Director Report of Activities from July 1, 2009 to June 30, 2010***

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## Introduction

The Canadian Geotechnical Society (CGS) – Manitoba Section held 5 luncheon presentations in addition to hosting the Cross-Canada Lecture Tour in Fall 2008 and in Spring 2009. Monthly meetings of the Local Executive Committee were held from September 2009 to April 2010 to plan and co-ordinate the activities.

## Executive Committee

*The 2009-2010 Executive Committee consists of the following members:*

<i>Chair:</i>	Gil Robinson, M.Sc., P.Eng.	Dyregrov Consultants
<i>Treasurer:</i>	Neil Privat, M.Sc., P.Eng.	KGS Group
<i>Secretary:</i>	Kendall Thiessen, Ph.D. Candidate, EIT	University of Manitoba
<i>Program Director:</i>	Kent Bannister, M.Sc., P.Eng.	Manitoba Hydro
<i>Assistant Program Director:</i>	Wing Keat Wong, EIT	AMEC
<i>Membership Chair:</i>	Alexandria Beveridge, EIT	Golder Associates
<i>Student Liaison:</i>	Hamid Batenipour, Ph.D. Candidate	University of Manitoba
<i>Committee Member:</i>	Lena Andersson, B.Sc.	Wardrop Engineering
<i>Section Director:</i>	Marolo Alfaro, Ph.D., P.Eng.	University of Manitoba

The Executive Committee members generally met once a month.

## Membership and Corporate Sponsorship

As of May 31, 2010, the Manitoba Section has 43 members. The local Executive Committee has been contacting and reminding registered members last year to renew their membership. In addition, new membership registration drive is continuing.

Corporate sponsorship continued to be instrumental in supporting the activities of the Manitoba Section primarily related to short courses and the annual CGS Golf Tournament held to raise funds for the Neil Burgess Memorial Scholarship fund at the University of Manitoba. The Neil Burgess Memorial Scholarship fund is available to Graduate and Post-Graduate Engineering students pursuing degrees in Geotechnical Engineering.

## List of Activities

The Manitoba Section held eight technical presentations throughout this reporting period including the Fall 2009 and the Spring 2010 Cross-Canada Lecture Tour. The presentations are as follows:

- September 10, 2009 - Effect of Temperature on the 1-D Behaviour of Plastic Clay  
Presented by: Hamid Batenipour, University of Manitoba
- Thermal Numerical Modeling of Transmission Tower Foundations in Northern Manitoba.  
Presented by: David Kurz, University of Manitoba

- October 23, 2009 - Fall CCLT: Lateral Load Analysis of Pile Groups Based on Full-Scale Testing  
Presented by: Kyle Rollins, Ph.D.
- November 12, 2009 - Rehabilitation of the Kam Kotia Mine Site  
Presented by: Patrick Jolicoeur, Hazco
- December 9, 2009 - Natural Processes and Strength Degradation  
Presented by: Dr. Jim Graham, PEng, University of Manitoba
- January 28, 2010 - Canada Post - Belled Pile Load Tests  
Presented by: Trevor Gluck, P.Eng, AMEC Earth and Environmental
- February 26, 2010 - Reinforcement of Soft Soils by Means of Controlled Modulus Columns  
Presented by: Samuel Briet of GEOPAC.
- April 15, 2010 - Spring CCLT: Global Warming and Northern Infrastructure –  
An Update on Adaptation Strategies for Design of Foundations on Permafrost  
Presented by: Don Hayley, P.Eng., FEIC

The remaining activity for 2009-2010 is the 10<sup>th</sup> Annual CGS Golf Tournament in late June 2010. A short-course on Geology for Engineers is being planned for the 2010 – 2011 season.

#### **Financial Status**

The Manitoba Section has maintained a balanced bank account of about \$20,000. We are regular contributors to the local community through a number of events including supporting students attending the CGS conference, subsidizing the local costs of the semi-annual CCLT, and subsidizing regular lunch presentations. These costs have largely been offset with net proceeds from short courses (typically held bi-annually) organized and hosted by the local executive.

#### **Additional Information**

The CGS Manitoba Section was able to make a donation of \$5,000 to the Neil Burgess Memorial Scholarship Fund in 2009. This scholarship is awarded annually to a geotechnical graduate or post-graduate student at the University of Manitoba. This donation was largely derived from the proceeds of the 2009 CGS Short Course and the 9<sup>th</sup> Annual CGS Manitoba Golf Tournament.

The Manitoba Section will again sponsor a graduate student or an engineer-in-training to attend the 2010 Annual CGS conference.

The Manitoba Section has been awarded the 2012 CGS National Conference. Preparations for the conference have been initiated, including selection of committee members, review and signing of a contract with the Fairmont Hotel and hiring the Gibson Group to assist in organizing the conference.

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### ***Thunder Bay Region – Myint Win Bo, Section Director Report of Activities - July 1, 2009 to June 30, 2010***

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#### **Introduction**

This interim report is a summary of the activities of the Thunder Bay Region Geotechnical Group of the Canadian Geotechnical Society, for the period from 01 July 2009 – 30 June 2010. The group has active members from across Northern Western Ontario, particularly from the Thunder Bay district. A dedicated executive committee has been successful in organizing a well-attended presentation during the season. A detailed report from the Thunder Bay Geotechnical Group is provided below.

## **Executive Committee**

The 2009-2010 Executive Committee of the Thunder Bay Geotechnical Group consists of the following members:

*Director: Dr Myint Win Bo*

*Vice-Director: Dr. Eltayeb Mohamedelhassan*

*Secretary: N/A*

*Treasurer: N/A*

*Past-Chair: Dr Bruce Kjartanson*

*Members: Wesley Saunders*

*Advisor: Mike Fabius*

## **Membership**

The Thunder Bay Geotechnical Group currently has 10+ paid members.

## **Meetings**

The 2009-2010 meetings held to date were as follows:

- 11 September 2009
- 16 April 2010

Joint meetings with PEO, Lakehead chapter on the following dates:

- 9 June 2009
- 9 July 2009
- 12 August 2009

Joint technical presentation by CGS, Thunder Bay section and PEO Lakehead Chapter on 15 October 2009 and presented following topics:

- APPLICATION OF FINITE ELEMENT MODELLING IN GEOTECHNICAL ENGINEERING  
By Dr Myint Win Bo, DST Consulting Engineers.
- UTILIZATION OF COAL/BIOMASS FLY ASH AND BENTONITE AS A REMEDIATION BARRIER FOR ACID MINE DRAINAGE by Graham Sled, Engineering Student, Lakehead University.

Other student presentations:

- Student geotechnical project presentation on 29 April 2010 at Lakehead University.
- Graduate Student geotechnical project presentation on 27 May 2010 at Lakehead University.

## **Additional Information**

The remaining events for the 2009-2010 seasons include:

To participate in Engineering Days 2010 in November.

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## ***Sudbury Chapter Report - Nadine Miller, Section Director Report of Activities July 1, 2009 to June 30, 2010***

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## **Introduction**

The 2009 and the beginning of 2010 has been a slow period for the CGS Sudbury Chapter as two of the three committee members were on maternity leave and returned to work during this period, resulting in presentation booking stagnating. The group plans to reactivate and has commenced plans for the fall 2010 presentations. The goal is to have a minimum of 3 presentations.

## **Executive Committee**

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

Chair: Nadine Miller (AMEC)  
Member: Dan Cacciotti (AMEC)  
Member: Sarah Coyne (Golder Associates)

## Sponsorship

The venue for our presentations is provided by MIRARCO. MIRARCO has been a strong supporter of our local CGS presentations since 2004. The refreshments and speaker thank you gifts have been supplied by AMEC and Golder. The support of AMEC, Golder, and MIRARCO has been essential in order to provide the Sudbury CGS community lectures at no cost.

## Activities – none during this period

We will begin the presentation series in September 2010.

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## *London Section – Dan Babcock, Section Director*

### *Report of Activities - July 1, 2009 to June 30, 2010*

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## Introduction

The CGS Section in London, Ontario is a joint CSCE-CGS Chapter with a broad representation of professionals, professors and students on the executive. This annual report is a summary of the activities of the Chapter for the period from 01 July 2009 – 30 June 2010. The group has active members from across Southwestern Ontario, particularly from the London, Windsor and Kitchener-Waterloo areas. The executive committee has organized several dinner presentations throughout the season (the Chapter's season runs from October to May). A detailed report from the Section is provided below.

## Executive Committee

The 2008-2009 Executive Committee of the Chapter consists of the following members:

Grant Strachan	Chairperson	AECOM
Ernest Yanful	Past Chair	University of Western Ontario
Elsie Mae Clements	Past Chair	General Dynamics
Tom Mara	Vice Chair/Secretary/Webmaster	University of Western Ontario
John Gawley	Treasurer/Dillon Rep.	Dillon Consulting Limited
Azmi Hammoud	Communications	Golder Associates Ltd.
Andy Turnbull	CSCE Rep./Ontario Region Treasurer	Ministry of Transportation, Ontario
Gaven McDonald	Event Co-ordinator/Public Relations	AECOM
John Simon	City of London Rep.	City of London
Dan Babcock	CGS Rep./Golder Rep.	Golder Associates Ltd.
Gary Deonarine	Stantec Rep.	Stantec Consulting Ltd.
Mark Boyd	Fanshawe Faculty Rep.	Fanshawe College
Jason Gerhard	UWO Faculty Rep.	University of Western Ontario
Jeff Blaylock	Graduate Student Rep.	University of Western Ontario
Chris Kocur	Graduate Student Rep.	University of Western Ontario
Vicky Sura	4 <sup>th</sup> Year Student Rep.	University of Western Ontario
Dane Trapara	2 <sup>nd</sup> Year Student Rep.	University of Western Ontario

## Activities

### Membership

The London Chapter has about 300 members (PEO, CSCE, CGS and Student members). Our Chapter has been financially self-sustained by the money generated from the dinner meetings and generous donations by our corporate sponsors. Our corporate sponsors include:

AECOM	Stantec Consulting Ltd.
Delcan Corporation	Trojan Technologies
Dillon Consulting Ltd.	Try Recycling
Golder Associates Ltd.	

## Meetings

The July 2009 to June 2010 season consisted of six dinner meetings held at the Fox and Fiddle Restaurant (formerly the Elephant and Castle Restaurant) in downtown London:

**October 2009:** International Development Internship

ADAM CROOKES, JORDAN ATHERTON, JUSTIN PHILIPPI, UNIVERSITY OF WESTERN ONTARIO

**November 2009:** LEED in Practice: A Review of Green Building Principles and Applications

RICHARD HAMMOND, CORNERSTONE ARCHITECTURE INCORPORATED

**January 2010:** Nanotechnology in the Environment: Concerns and Possibilities

DENIS O'CARROLL., UNIVERSITY OF WESTERN ONTARIO

**February 2010:** Battle Damage Repair of Canadian Armored Personnel Carriers in Afghanistan and Iraq

DAVID SPENCER, GENERAL DYNAMICS LAND SYSTEMS

## Additional Information

The remaining events for the 2009 – 2010 season include:

**March 2010:** Permeable Pavement

STEVE AUGER, P.ENG., STANTEC CONSULTING LTD.

**April 2010:** Wind Power Generation

GLEN HUBBERS, P.ENG., CAPITAL POWER CORPORATION

The London Chapter also supported a number of University of Western Ontario student activities and the executive are currently planning events for the 2010-2011 season and considering plans for increased membership and revenue.

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## ***Southern Ontario Section – Tae Kim, Section Director Report of Activities - July 1, 2009 to June 30, 2010***

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## Introduction

This final report is a summary of the activities of the Toronto Group of the Southern Ontario Section of the Canadian Geotechnical Society, for the period of September 1, 2009 to June 30, 2010.

## Executive Committee

The 2009-2010 Executive Committee of the CGS-SOS Toronto Group meets monthly to discuss group matters and to organize technical events.

The committee consists of the following members:

Director:	Tae C. Kim	Ministry of Transportation Ontario (MTO)
Chair:	Charles G. Crans	Geo-Foundations Contractors Inc.
Past Chair:	Billy Singh	Terraprobe Consulting Engineering
Secretary:	Simon Lan	Trow Associates Inc.
Treasurer:	Rene Laprade	Tensar International Corporation
Awards:	Minkyung Kwak	Ministry of Transportation Ontario (MTO)
Communication:	Christopher Ng	Golder Associates
Membership:	Jinyuan Liu	Ryerson University
Student Liaison:	Murray Grabinsky	University of Toronto
Event Co-ordinator:	Mark Tigchelaar	GeoSolv Design/Build Inc.
Event Co-ordinator:	Fanyu Zhu	SPL Consultants

## Membership

The Toronto Group currently has about 180 active members. The SOS continues to organize and fund the annual Graduate Student Competition and invites students to attend our monthly dinner presentations at no charge.

## Activities

### List of Activities held from September 2009 – June 2010:

- Date: September 15, 2009 – First Annual CGS-SOS Golf Tournament at Royal Woodbine GC  
Topic: Lunch Presentation by **Jonathan Fishbein of Engineers Without Borders**  
100 participants
- Date: October 22, 2009 - Fall Cross Canada Lecture by **Prof. Kyle Rollins – Brigham Young Univ.**  
Topic: **Evaluation of Innovative Liquefaction Mitigation Strategies**  
90 participants
- Date: November 18, 2009 – Dinner Presentation by **Prof. Richard Brachman – Queens University**  
Topic: **Physical Response of Landfill Geosynthetics**  
60 participants
- Date: December 4, 2009 - Christmas Dinner Social **Peter Smith – Bermingham Construction**  
Topic: **Entrance Cofferdams for the Sir Adam Beck Tunnel Intake**  
125 participants - Joint Event organized by CGS-SOS and TAC
- Date: January 20, 2010 – **Graduate Student Competition Night**  
Topic: About 50 members and students participated from McMaster University, Ryerson University, University of Toronto, University of Waterloo and University of Western Ontario. The winner was Paul Groves (Topic: “Evaluation of Soil Stratigraphy Using Geophysical Methods”) from University of Waterloo. He received a \$500 Cash Award, and will attend the 2010 CGS National Conference in Calgary with all expenses paid.
- Date: February 18, 2010 – Dinner presentation by **Martin Halliwell – HCM Group and Matt Janes – Isherwood Associates**  
Topic: **The Bow Tower Project – Design and Construction of a Deep Excavation Support System**  
85 participants
- Date: March 26, 2010 - One Day Seminar - **New Risk Mgmt Realities for Geotechnical Practitioners**  
Speakers: Dr. Storer Boone – Golder Associates ; Kenneth W. Movat – Gowlings Lafleur Henderson LLP  
Joel Parke – Vanbots / Carillion Construction  
50 + participants attended this most interesting and informative Seminar
- Date: April 14, 2010 - Spring Cross Canada Lecture by **Donald Hayley – EBA Engineering**  
Topic: **An Update on Adaptation Strategies for Design of Foundations on Permafrost**  
**90 participants**
- Date: May 14, 2010 – CGS-SOS Toronto Group Annual Dinner. This Event is a cant-miss for the local Geotechnical Community, and the 2010 Dinner was one of the best attended in recent memory with nearly 300 guests filling the Pearson Convention Centre. Sponsorship Contributions, which allow the Toronto Group to underwrite student participation and maintain affordable events set new record
- Speaker : **Lawrence H. Roth – Executive Vice-President, American Society of Civil Engineers**  
Topic: **New Orleans Floodwall Reconstruction post-Hurricane Katrina**



## **Financial status**

The Toronto Group is in a strong financial position with approx. \$21,000 held in account in addition to the \$15,000 seed money loaned to the organizing committee for the 64th CGC/14<sup>th</sup> PanAm Conference to be held in Toronto in 2011. This strength enabled the purchase of a new laptop computer and projector screen and continued underwriting of student participation in CGS-SOS Events.

## **CGS-SOS Toronto Group Award**

The purpose of the CGS-SOS Award is to recognize the recipient's contributions to i) development and growth of CGS-SOS, and ii) geotechnical or geo-environmental practice in Southern Ontario area through service to research, design, development, or construction. The 2010 Recipient was William (Bill) Trow. The award was presented at the CGS-SOS Toronto Group Annual Dinner on May 14, 2010.

## **CGS-SOS Toronto Group Website**

The redesigned CGS-SOS Toronto Group website has been in operation since September 2008. The website contains the most up-to-date information on SOS Toronto Group's past and upcoming activities, list of executive members, membership update forms, and a list of past CGS-SOS executive members.

## **Closure**

This report was prepared with the help of Charles G. Crans, CGS-SOS Toronto Group Chair, and Rene Laprade, Treasurer.

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## ***Kingston Section - Steven Rose, Section Director Report of Activities - July 1, 2009 to June 30, 2010***

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## **Introduction**

This report is a summary of the activities of the Kingston Section of the Canadian Geotechnical Society, for the period from 01 July 2009 – 30 June 2010. The group has active members from across South-Eastern Ontario, particularly from Kingston and surrounding areas. The section's executive committee has been intermittently active during this period, organizing a tour of the geology of the Kingston area in the fall, a graduate student paper competition (together with the Ottawa Geotechnical Group), and a noon-hour speaker in March, followed by a presentation of the CCLT by Don Hayley in April. The section helps to promote a regular speaker series hosted by our sponsor, the Queen's-RMC Centre for Geo-Engineering. A detailed report from the Kingston Section is provided below.

## **Executive Committee**

The 2009-2010 Executive Committee of the Kingston Section consists of the following members:

*Chair: Greg Siemens, RMC*  
*Past Chair: Ian Moore, Queen's University*  
*Vice-Chair: n/a*  
*Section Director: Steven Rose, Malroz Engineering*  
*Treasurer: Jenn Meleschuk, MTO*  
*Members: Martin Burger, Cruickshank Construction*  
*Melissa Chappel, Queen's Engineering (Student Rep.)*

## **Activities**

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

## **Membership (and Corporate Sponsorship)**

The Kingston Section captures a membership of approximately 20+ CGS members from Kingston, but attracts attendance (and solicits membership to the society) from the larger community of engineers,

geoscientists (including students, practitioners, and researchers) from the area surrounding Kingston in eastern Ontario. This year we have three corporate sponsors who have very generously supported the local organization. The donations from our sponsors help to defray the costs of hosting speakers, Cross Canada Lecture Tours, and the costs of our meeting rooms. Our corporate sponsors include:

Cruickshank Construction Ltd.  
MALROZ Engineering Inc.  
The Queen's-RMC Geo-Engineering Centre

### **Meetings**

The 2009-2010 meetings held to date were as follows:

*Oct. 3, 2009 Field Tour - Geology of the Kingston Area  
Led by Dr. W. A. Gorman, Prof. Emeritus (Queen's University)*

*Mar. 2, 2010 33<sup>rd</sup> Annual Graduate Student Forum (co-hosted with Ottawa Group)  
Four student presentations from Carleton, U.Ottawa, RMC and Queen's*

*Mar. 30, 2010 Luncheon Talk - Ken Reimer, Environmental Sciences Group, RMC  
The Kingston Inner Harbour: Three Linked Brownfield Remediation Projects*

*Apr. 14, 2010 Cross-Canada Lecture Tour: Don Hayley  
Design, Construction and Operation of Dams in Permafrost Regions*

### **Financial status**

The Kingston Section continues to operate on a break-even basis with a current balance of (approx.) \$500.00

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## **Ottawa Section (OGG) - Baolin Wang, Section Director Report of Activities - July 1, 2009 to June 30, 2010**

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### **Introduction**

This report is a summary of the activities of the Ottawa Geotechnical Group of the Canadian Geotechnical Society, for the period from 01 July 2009 – 30 June 2010. The group has active members from across Eastern Ontario, particularly from the Ottawa area. A dedicated executive committee has been successful in organizing several well-attended presentations throughout the season. A detailed report from the Ottawa Geotechnical Group is provided below.

### **Executive Committee**

The 2009-2010 Executive Committee of the Ottawa Geotechnical Group consists of the following members:

Chair:	Nell van Walsum, WESA Inc.
Vice-Chair:	Clive Kamichaitis, AME Materials Engineering
Secretary:	Bruce Campbell, Environmental Solutions Remediation Services
Treasurer:	Michel Timmons, Groupe Qualitas
Past-Chair:	Mark Priddle, McIntosh Perry Consulting Engineers
Members:	Michael Bleakney, Public Works and Government Services Canada Siva Sivathayalan, Carleton University Bruce Goddard, Golder Associates Paul Simms, Carleton University
Student Member:	Emily Vingerhoeds, Carleton University
Advisor:	Peter Gerabek
CGS Section Director:	Baolin Wang, Natural Resources Canada

## Activities

Date	Speaker	Affiliation	Title of Talk	Type of Event	Attend.
30-Sep-2009	Paul Couture	Parks Canada	Construction of the Rideau Canal	OGG kick-off field tour	25
20-Oct-2009	Kyle Rollins	Brigham Young University, Provo, Utah	Evaluation of Innovative Liquefaction Mitigation Strategies	CCLT	42
17-Nov-2009	Robert Chapuis	École Polytechnique de Montréal	Water Related Excavation Problems for Amphitheatres in Quebec City	Luncheon presentation	37
09-Dec-2009	Myint Win Bo	DST Consulting Engineers	Application of Geotechnical Engineering in the Construction Industry and Beyond	Luncheon presentation	40
20-Jan-2010	Mohammad Rayhani	Carleton University	Seismic Site Response and Soil-Structure Interaction in Soft Soils	Luncheon presentation	44
10-Feb-2010	Jim Moran	The Learning Alliance Inc.	Transform Your Presentations for Maximum Impact	Luncheon presentation	29
02-Mar-2010	Stephen Peters	Royal Military College of Canada	A transparent medium to provide a visual interpretation of saturated/unsaturated hydraulic behaviour	Students competition	31
	Azadeh Hoor	Queen's University	Temperature Control of Municipal Solid Waste Landfill Liners		
	Adedeji Dunmola	Carleton University	A New Matric Suction Sensor Based on Volume Change		
	Won T. Oh	University of Ottawa	A simple method to estimate the bearing capacity of unsaturated fine-grained soils		
13-Apr-2010	Don W. Hayley	EBA Engineering Consultants Ltd.	Design, Construction and Operation of Dams in Permafrost Regions	Cross Canada Lecture Tour	56
18-May-2010	Neil S. Abbott	Gowlings, Toronto	Are Lawyers from Heaven and Experts from Hell?	Annual Banquet	49

## Membership (and Corporate Sponsorship)

The Ottawa Geotechnical Group currently has 159 paid members, 19 sponsor members and 24 student members. Regular members pay an annual membership fee of \$20, and receive special member rates to attend our monthly events. The group has made an extra effort this year to distribute announcements directly to students. Student members do not pay an annual fee, and are offered subsidised rates to attend the events. As in past years, our corporate sponsors have very generously supported the local organization. The donations from our sponsors help to defray the costs of engaging speakers and the costs of our meeting rooms. Our corporate sponsors include:

DYWIDAG-Systems International Canada Ltd.  
 Exova-Accutest  
 George Downing Estate Drilling Ltd.  
 George W. Drummond Ltd.  
 Geosynthetic Systems

Marathon Drilling Co. Ltd.  
 Maxxam Analytics Inc.  
 Parcel Laboratories Ltd.  
 Quantum Murray LP.  
 USL-1 Underground Service Locators

## Meetings

The 2009-2010 executive committee meetings held are as follows:

Aug. 19, 2009  
 Sept. 16, 2009  
 Oct. 14, 2009  
 Nov. 11, 2009  
 Dec. 02, 2009

Jan. 27, 2010  
 Feb. 17, 2010  
 Mar. 24, 2010  
 Apr. 28, 2010  
 Jun. 02, 2010

## Financial status

The Ottawa Section is in a healthy state financially. The source of revenue is from paid memberships and cooperate sponsorships. Currently the group has an overall balance of about \$36,000 which consists of funds held in bank accounts and short term GICs.

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**Western Quebec Section - Robert P. Chapuis, Section Director**  
**Report of Activities - July 1, 2009 to June 30, 2010**

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### Introduction

This report summarizes the activities of the Western Quebec Section of the Canadian Geotechnical Society, for the period from 01 July 2009 – 30 June 2010. The group has members from across Western Quebec, especially from the Montreal, Sherbrooke and Drummondville areas. Several successful activities were organized by the executive committee: 11 presentations, one student competition and a one-day intensive course. A detailed report from the Section is provided below.

### Executive Committee

The 2009-2010 Executive Committee of the Western Quebec Section consists of the following members:

<i>Chair:</i>	<i>Jocelyn Lavoie (City of Montreal)</i>
<i>Vice-Chair:</i>	<i>Sébastien Dubeau (LVM – Technisol)</i>
<i>Treasurer:</i>	<i>Christine Vigneault (Qualitas)</i>
<i>V-P external:</i>	<i>Stéphane-Éric Thivierge (GKM Consultants)</i>
<i>V-P communications:</i>	<i>Benoît Rioux (MAB Geo-conseil)</i>
<i>Secretary:</i>	<i>Melissa Ruel (Qualitas)</i>

### Activities

- On September 29, 2009, James A. Hunter and Heather Crow of the Geological Survey of Canada gave a lecture on "Downhole Shear Wave Velocity Measurements in Boreholes in the Ottawa / Montreal area - Vs30 and Beyond".
- On October 8, 2009, Dr. Jean-Pierre Giroud presented the "Terzaghi Lecture" on "Filter Criteria for Geotextiles and Granular Soils".
- On October 21, 2009, the Section welcomed the Cross Canada Lecture Tour given by Dr. Kyle Rollins on "Evaluation of Innovative Liquefaction Mitigation Strategies."
- On November 19, 2009, Dr. René Lefebvre of INRS Quebec presented a lecture on "Integrated Characterization of Aquifer Systems".
- On December 1<sup>st</sup>, 2009, a group of Polytechnique students presented their project "New-Zealand 2010" and learning about geotechnical challenges in seismic areas and geothermal projects. Their presentation was teamed with a lecture by Prof. Robert Chapuis on "Water Related Excavation Problems for Amphitheatres in Quebec City".
- On January 26, 2010, John Westland of Golder Associates, Toronto, gave a lecture on "Earth Pressure Balance Tunneling for Toronto's Sheppard Subway".
- On February 24<sup>th</sup>, six graduate students participated in the annual Branko Ladanyi student competition. They presented 20-min conferences on their research at four universities. Topics were related to geotechnical or geo-environmental topics. A committee of five senior engineers from private companies has selected Géraldine Cosset from École Polytechnique de Montréal as the 2010 winner. Géraldine should present her paper at the CGS Calgary Conference next September.
- On March 09, 2010, a Seminar was given by Dr. R. Kerry Rowe and Robert Denis on "Design and Construction of Liners". 42 persons attended this activity held in Montreal.
- On March 23, 2010, Rick Everdell (Ont. Power Generation) presented the "Niagara Tunnel Project".
- On April 12, 2010, the Section welcomed the Cross Canada Lecture Tour given by Don Hayley (EBA) on "Design, Construction and Operation of Dams in Permafrost Regions".
- On May 04, 2010, Serge Leroueil (Univ. Laval) presented "The Goongoongup bridge, Australia".
- On June 08, 2010, Guy Lefebvre and Mourad Karray (Univ. of Sherbrooke) at the annual banquet presented "Seismic aspects and geotechnical investigations — Implications of NBC 2005".
- Each activity gathered 35 to 65 members; the annual banquet was attended by over 90 members.
- The Montreal Group has decided to prepare a proposition to CGS to host the 2013 annual conference. An organization committee was organized in the fall 2009, and the first meeting was held on September 2<sup>nd</sup>, 2009. After several meetings during the fall 2009 and winter 2010, the OC has recently submitted a letter of intention to CGS. The final and complete proposal of July 2010 will be available for the CGS annual meeting.

## Membership and Corporate Sponsorship

The Western Quebec Section is composed of 141 paid members, combination of individual members and companies. The membership has steadily increased for the past five years. A small financial support is requested from members in order to cover the costs of guest speakers and related expenses. Among these members, several are also members of the national Canadian Geotechnical Society.

As in past years, *Hydro-Quebec* generously supports the local organization by providing a conference room for most activities.

## Financial status

### Expenses:

- Conferences (lunch, speakers, etc.)	1 441 \$
- Section operations	744 \$
- 2009 Branko Ladanyi prize (winner expenses, Halifax conference)	1 494 \$
- Intensive course	1 028 \$
- Annual banquet	9 290 \$
- Alaska and New Zealand Projects	1 000 \$

TOTAL Expenses: 14 996 \$

### Revenues:

- Membership income	1 135 \$
- Sponsorship Geo-seminar Solmax-Texel	1 000 \$
- Intensive course	3 572 \$
- Annual banquet	6 850 \$

TOTAL Revenues: 12 557 \$

Total amount in bank: 21 907 \$

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## ***Section Est du Québec - Didier Perret, Directeur régional*** ***Rapport d'activités - 1er juillet 2009 au 30 juin 2010***

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### Introduction

Ce rapport présente un bilan sommaire des différentes activités organisées ou parrainées par la section régionale de l'Est du Québec durant la période allant de juin 2009 à juin 2010.

### Comité exécutif

Le comité est formé, pour l'année 2009-2010, des personnes suivantes :

*Directeur*: Didier Perret (Ressources naturelles Canada)

*Président* : Denis Lessard (Ministère des Transports du Québec)

*Vice-président* : Georges Lemieux (LVM-Technisol)

*Trésoriers* : Alexis Fortin, secondé par Paul Flon (Ministère des Transports du Québec)

*Membre de liaison étudiante* : Arianne Locat (université Laval)

*Membres* : Gilles Grondin, Pascal Locat, Julie Therrien (Ministère des Transports du Québec), Julie Dostie, Simon Malenfant (LVM-Technisol), Kamel Hammouche (Inspec-Sol)

*Conseillers* : Denis Demers, Janelle Potvin (Ministère des Transports du Québec)

### Activités organisées ou proposées par la section régionale

Nos activités se subdivisent en deux catégories, les conférences qui sont proposées régulièrement, en moyenne une fois par mois, et les ateliers de formation, organisés à l'occasion, généralement en réponse aux demandes spécifiques de la communauté géotechnique régionale.

### Conférences

En général, de 15 à 25 personnes assistent aux conférences proposées par la section régionale, parfois plus lorsque le thème présente un intérêt spécial pour la profession. Sauf exception, les conférences se tiennent dans les locaux du Ministère des Transports du Québec, au 930 chemin Ste-Foy à Québec, où l'on a accès gratuitement à une salle de conférence.

Conférencier	Affiliation	Titre de la présentation	Date
Peter Bobrowsky	Commission géologique du Canada, Ottawa	Landslides in the Machu-Picchu – Inca engineering and the media	09-09-2009
Kyle Rollins	Université Brigham-Young, É.U.A.	Tournée pancanadienne de géotechnique - Evaluation of innovative liquefaction mitigation strategies	21-10-2009
Jean Côté	Université Laval, Québec	Comportement thermique des géomatériaux soumis aux actions du gel/dégel	15-12-2009
Luciano Picarelli	Seconda Università degli Studi, Naples, Italie	Les glissements de terrain déclenchés par les pluies	16-02-2010
Charles Lamontagne	Ministère du développement durable, de l'environnement et des parcs du Québec	Cartographie régionale des aquifères dans le Sud du Québec	19-03-2010
Guy Lefebvre et Mourad Karray	Université de Sherbrooke, Québec	Prise en compte des aspects sismiques lors des investigations géotechniques - Relation avec les dispositions du Code national du bâtiment du Canada de 2005	30-03-2010
Serge Leroueil	Université Laval, Québec	Cas du pont Goongoongup, Perth, Australie: une leçon d'ingénierie (conférence proposée conjointement avec la section régionale de la Société canadienne de génie civil)	07-04-2010
Don Hayley	EBA Engineering Consultants Ltd.	Tournée pancanadienne de géotechnique - Global Warming and Northern Infrastructure—An Update on Adaptation Strategies for Design of Foundations on Permafrost	12-04-2010

### Ateliers

Afin de répondre à une demande pressante de la profession, la section régionale a organisé début juin 2010 un atelier de formation portant sur la détermination du potentiel de liquéfaction. L'atelier, qui a été un franc succès, a été donné sur deux jours consécutifs, le nombre de personnes étant limité à vingt pour chacune des deux sessions.

Guy Lefebvre et Mourad Karray	Université de Sherbrooke	Formation – Analyse du potentiel de liquéfaction en relation avec les dispositions du Code national du bâtiment du Canada de 2005	02 et 03-06-2010
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### **Réunion du comité**

Le comité exécutif se réunit en moyenne une ou deux fois par trimestre, ou encore à l'occasion lorsque l'agenda le justifie.

### **Statut financier**

Le budget de mi-année est d'environ 2500\$. Nos revenus proviennent essentiellement des bénéfices réalisés lors du congrès annuel de la Société à Québec en 2004.

## Autres informations

### Membres et adhésion à la Société

La section régionale de l'Est du Québec regroupe traditionnellement une petite communauté d'une trentaine de membres cotisants de la Société canadienne de géotechnique-SCG, principalement du secteur privé et du milieu universitaire. La communauté d'intérêt est cependant nettement plus large, comme l'atteste notre liste de diffusion (plus d'une centaine d'adresses).

Afin de ne pas sur-solliciter notre communauté régionale, les conférences-midi que nous organisons sont proposées gratuitement; il n'est pas nécessaire d'être membre pour y assister. Aucune cotisation annuelle locale n'est par ailleurs demandée. Cela permet de promouvoir la formation continue en géotechnique, et contribue, nous l'espérons, à favoriser l'adhésion à la SCG.

Cette année cependant, nous avons décidé d'exiger que toute personne souhaitant participer à un atelier organisé par la section régionale soit un membre cotisant de la SCG. Pour l'atelier que nous avons proposé début juin, le coût de l'inscription a été majoré pour les non-membres du montant correspondant à la cotisation à la SCG. Chaque participant devait remplir au préalable un formulaire d'adhésion à la SCG.

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## ***Eastern Quebec Section - Didier Perret, Regional Director Report of Year-End Activities – July 1, 2009 to June 30, 2010***

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### **Introduction**

This report presents a summary of the activities of the Eastern Quebec Section of the Canadian Geotechnical Society for the period from July 1, 2009 to June 30, 2010.

### **Executive Committee**

For the year 2009-2010, the committee consists of the following members:

*Regional Director:* Didier Perret (Natural Resources Canada)

*Chair:* Denis Lessard (Ministère des Transports du Québec)

*Vice-Chair:* Georges Lemieux (LVM-Technisol)

*Treasurer:* Alexis Fortin, assisted by Paul Flon (Ministère des Transports du Québec)

*Student Committee:* Arianne Locat (Laval University)

*Members:* Gilles Grondin, Pascal Locat, Julie Therrien (Ministère des Transports du Québec), Julie Dostie, Simon Malenfant (LVM-Technisol), Kamel Hammouche (Inspec-Sol)

*Advisors:* Denis Demers, Janelle Potvin (Ministère des Transports du Québec)

### **Activities**

Two types of activities are organized by the section. Lunch-time and occasionally evening lectures are proposed on a regular basis, generally once monthly. Workshops (or training sessions) are organized on an ad-hoc basis to respond to a specific need expressed by the regional geotechnical community.

#### Lectures

Usually, 15 to 25 persons attend lectures proposed by the regional section, sometimes more when the lecture topic is of a special interest to the profession. Generally, lunch-time talks are given in the offices of Ministère des Transports du Québec, 930 ch. Ste-Foy, Quebec City, where the regional section has a free access to lecture rooms.

Speaker	Organization	Conference title	Date
Peter Bobrowsky	Commission géologique du Canada, Ottawa	Landslides in the Machu-Picchu – Inca engineering and the media	09-09-2009
Kyle Rollins	Brigham-Young University, USA	Cross-Canada Lecture Tour - Evaluation of innovative liquefaction mitigation strategies	21-10-2009

Jean Côté	Université Laval, Québec	Comportement thermique des géomatériaux soumis aux actions du gel/dégel	15-12-2009
Luciano Picarelli	Seconda Università degli Studi, Naples, Italy	Les glissements de terrain déclenchés par les pluies	16-02-2010
Charles Lamontagne	Ministère du développement durable, de l'environnement et des parcs du Québec	Cartographie régionale des aquifères dans le Sud du Québec	19-03-2010
Guy Lefebvre and Mourad Karray	Université de Sherbrooke, Québec	Prise en compte des aspects sismiques lors des investigations géotechniques - Relation avec les dispositions du Code national du bâtiment du Canada de 2005	30-03-2010
Serge Leroueil	Université Laval, Québec	Cas du pont Goongoongup, Perth, Australie: une leçon d'ingénierie (conférence proposée conjointement avec la section régionale de la Société canadienne de génie civil)	07-04-2010
Don Hayley	EBA Engineering Consultants Ltd.	Tournée pancanadienne de géotechnique - Global Warming and Northern Infrastructure—An Update on Adaptation Strategies for Design of Foundations on Permafrost	12-04-2010

#### Workshops

To fulfill a widespread need, two one-day training sessions on the assessment of the liquefaction potential of soils were organized by the regional section. Instructors were Prs. Guy Lefebvre and Mourad Karray, from Sherbrooke University, Department of Civil Engineering. A total of forty persons attended these two very successful training sessions.

Guy Lefebvre et Mourad Karray	Université de Sherbrooke	Formation – Analyse du potentiel de liquéfaction en relation avec les dispositions du Code national du bâtiment du Canada de 2005	02 et 03-06-2010
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#### **Meetings of Executive Committee**

The executive committee meets once or twice a quarter. When it is required, additional meetings are called.

#### **Financial Status**

The year-end budget is about \$2,500. Revenues mainly come from profits made at the 2004 CGS Annual Conference in Quebec City.

#### **Other information**

##### Members and membership to CGS

The Eastern Quebec Section gathers a small community of about 30-35 members of the Canadian Geotechnical Society, mainly from the private sector and universities. However, the community interested in geotechnical and geological engineering is significantly larger, as evidenced by our mailing list which has more than one hundred entries. One of our most demanding challenges is to incite young professionals to become members and to renew membership every year after. Attendance to lectures is free and open to all, and no annual fees are asked for local membership. Student participation to activities related to the professional practice of geotechnical and geological engineering is encouraged by sponsoring field courses, etc.

This year, membership was mandatory for attending the two one-day workshops organized by the regional section. Registration fees to the training sessions were raised for non-members by an amount corresponding to the CGS membership fees (175\$ for regular members, 65\$ for students). Beforehand, every non-member attendee was asked to fill in the online registration form on the CGS website.



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***New Brunswick - Adrian Thompson, Section Director  
Report of Activities - July 1, 2009 to June 30, 2010***

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**Introduction**

This report describes the activities that our section has carried out since 1 July 2009.

**Executive Committee**

The 2009-2010 Executive Committee of the New Brunswick Chapter consists of the following member:

*Chair: Adrian Thompson, MIT*

**Activities**

The CGS conference was held in Halifax last fall. With the close proximity to our members, a large number attended. During the various socials, I received very positive feedback.

The New Brunswick chapter passed on the spring and fall lecture tours this year. With my role in my company changing, I did not have the time to fundraise and plan for this in 2010.

**Financial status**

Currently our funds are running low with a balance as of 21 May 2010 of \$85.99. Fundraising efforts are required to financially support a lecture tour in 2011.

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***Nova Scotia Section - Dmitry Garagash, Section Director  
Report of Activities July 1, 2009 to June 30, 2010***

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**Introduction**

The Nova Scotia chapter of the Canadian Geotechnical Society (CGS) consists of approximately 25 members.

**Executive Committee**

The executive committee of the Nova Scotia CGS Chapter consists of the following members:

Chair:	Dmitry Garagash (Dalhousie University, Halifax)
Treasurer:	Scott Munro (Jacques Whitford, Halifax)
Member at Large:	Paul Green (Jacques Whitford, Halifax)
Member at Large:	Jody Olson (Inspecsol Limited, Halifax)
Member at Large:	Mike Eakins (ADI Limited, Halifax)
Member at large:	Matthew MacIsaac (BGC Engineering Inc., Baddeck)
Past Chair:	Craig Lake (Dalhousie University, Halifax)
Past Treasurer:	Brian Grace (Jacques Whitford, Halifax)

***Events from July 1, 2009 to June 30, 2010 included:***

***Activities***

October 19, 2009

Fall 2009 Canadian Geotechnical Society Cross Canada Lecture Tour:

Drilled Shaft Side Friction in Gravelly Soils

Dr. Kyle Rollins

Brigham Young University, Provo, Utah

Attendance: ~ 15 people

***Other Items to Report***

A separate report regarding the GeoHalifax 2009 CGS/IAH Conference has been prepared.

Anthony Urquhart from BGC Engineering Inc. will be taking over as the new Section Director effective July 1, 2010.

**Finances**

Current bank account balance is approximately \$1,711.00.

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**St. John's Newfoundland Chapter - Sterling D. Parsons, Section Director  
Report of Activities - July 1, 2009 to June 30, 2010**

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**Introduction**

The Newfoundland chapter of the Canadian Geotechnical Society (CGS) consists of approximately 15 members. Due to lack of local interest, the Newfoundland chapter has been relatively in-active over the past year. As it is nearing the end of Mr. Parsons' tenure, the search for a new Section Director is underway.

**Executive Committee**

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

Chair: Sterling Parsons (Stantec, St. John's)

Treasurer/Secretary: Amy Copeland (Stantec, St. John's)

Student Liaison: Dave Mercer (Part-Time Graduate Student/Stantec, St. John's)

*Ex officio* Section Director Ryan Phillips (C-CORE, St. John's)

**Activities**

**Events from July 1, 2009 to May 31, 2010 included:**

September 20-24, 2009

Student Sponsorship of Memorial University of Newfoundland graduate student Mohamed Ramadan to the CGS Conference in Halifax (GeoHalifax2009: Discover Geotechnique).

**Finances**

Current bank account balance is \$632.80.

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**Computing Committee - Peijun Guo, Chair**  
**Report of Activities – July 1, 2009 to June 30, 2010**

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**Introduction**

As of January 1, 2010 Peijun Guo took over the Chair position of the computing committee from Dr. Tai Wong, who had completed his term. This transition coupled with the absence of a meeting during the CGS Conference to develop an action plan for the following year has led to little activity over the past 6 months. During this period, former members of the committee are, however, invited to continue, identify challenges ahead of the committee and suggest projects that should be undertaken.

**Executive Committee**

No attempt has been made at this time to formalize an Executive Committee. Core members of the Committee include:

*Chair: Peijun Guo (McMaster University)*

*Past-Chair: Tai Wong (O'Connor Associates Environmental Inc., Calgary)*

*Dave Chan (University of Alberta)*

*Murray Fredlund (SoilVision, Saskatoon)*

*Denis Leboeuf (Laval University)*

*Radu Popescu (Memorial University of Newfoundland)*

*Dawn Shuttle (Private Consultant)*

*Paul Simms (Carleton University)*

*Dieter Stolle (McMaster University)*

*Richard Wan (University of Calgary)*

**List of Activities**

Committee members reviewed papers with computing themes for the Halifax Conference. The annual meeting was held in Halifax in 2009 during the Conference. It was decided that the Committee will continue to volunteer to review papers with computing themes at future CGS Conferences.

After consulting with the Technical Chair of the Calgary Conference, Robert Armstrong, an email was sent to consultants soliciting abstracts and papers with the special session on "Geotechnical Modelling for Resource Development" in January 2010.

Other potential activities will be discussed with committee members via email over the coming months and will be addressed during the upcoming conference.

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**Education Committee - Dharma Wijewickreme, Chair**  
**Report of Activities July 1, 2009 to June 30, 2010**

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**Introduction**

The Education Committee has been continuing core activities since the 2009 fall conference in Halifax. A final report for the previous year was provided by Dharma Wijewickreme (Chair) for the board meeting at the 2009 annual Halifax conference updating current tasks at that time. This report provides a summary of ongoing initiatives and activities completed from July 01, 2009 to June 30, 2010.

**Executive Committee**

The current committee members are:

Chair:	Dharma Wijewickreme
Past-Chair:	James Blatz
Members:	Kent Bannister - Conference Co-Chair (cYGEC)
	Corey Froese
	Jocelyn Grozic
	Kathy Kalenchuk

Jinyuan Liu  
Ian Moore  
Jit Sharma  
Greg Siemens - Chair (Student Competitions)  
Paul Simms – Chair (CFG Fellowship Selection)  
Graeme Skinner

## **List of Activities**

### **1. CGS Student Competition –**

2010 Competition: Another successful Student Competition is underway. The Call for Submissions for the 2010 CGS Student Competitions was sent out in early February. We have 9 entries in the Graduate Student Presentation Competition, as well as 3 entries in both the Undergraduate Individual and 4 entries in the Undergraduate Group Competitions. Judges are being finalized and the winners will be notified in July as planned.

2009 Competition: A total of 16 submissions were received including 8 Graduate Presentations, 4 Undergraduate Group Reports and 4 Undergraduate Individual Reports.

The 2009 CGS Student Competition winners are:

#### *Graduate Student Paper Award:*

1st Prize: Kendall Thiessen, "Rockfill columns for the stabilization of natural clay riverbanks: Full-scale field test and numerical analysis development", Department of Civil Engineering, University of Manitoba, Winnipeg; Advisor, Dr. James Blatz.

2nd Prize: Bingquan Huang, "Limit states design calibration of pullout for geosynthetic reinforced soil walls", Department of Civil Engineering, Royal Military College of Canada, Kingston; Advisor, Richard Bathurst.

#### *Undergraduate Student Report (Individual):*

1st Prize: Michelle van der Pouw Kraan, "Rock mass characterization, tunnel stability assessment, and verification of rock support for the Ashlu Hydropower Tunnel near Squamish, BC", Department Geological Engineering, University of British Columbia, Vancouver; Advisor, Dr. Uli Mayer.

2nd Prize: Geoffrey Lau, "Use of surface waves as a non-invasive method for condition assessment of a brick channel", Civil and Environmental Engineering, University of Waterloo, Waterloo; Advisor, Dr. Giovanni Cascante.

#### *Undergraduate Student Report (Group):*

1st Prize: Domenic Arcuri, Graham Sled, and Craig West, "Utilization of coal/biomass fly ash and bentonite as a remediation barrier of acid mine drainage", Department of Civil Engineering, Lakehead University, Thunder Bay; Advisor, Dr. Eltayeb Mohamedelhassan.

2nd Prize: Lawrence Charlebois, Anna Crockford, Dani Delaloye, Duncan Nixon, "Tindaya Cavern Sculpture engineering design" Department of Geological Sciences and Geological Engineering, Queen's University, Kingston; Advisor, Dr. Mark Diederichs.

Many thanks to the judges who make this competition possible each year:

Judges for the 2009 Competition were: Greg Siemens (Chair), Lukas Arenson, Nelson Ferreira, Elizabeth Gavin, Sean Hinchberger, Shawn Kenny, Mamert Mbonimpa, Kevin Mumford, Susan Pfister, Siva Sivathayalan, Michel Tetreault, Sai Vanapalli and Nicholas Vlachopoulos.

(as per information provided by Greg Siemens, Chair, Student Competitions).

## **2. 3<sup>rd</sup> cYGEC –**

Organization for the 3rd cYGEGC is proceeding well. The conference will be held following the Calgary 2010 conference from September 17th to 19th at the Bayshore Inn in Waterton Park.

Planning for all elements of the conference has been finalized with the exception of one evening social event and our detailed technical program. Work on the technical program will be finalized shortly as the abstract submission deadline was April 15, 2010. We have received 24 abstracts to date, late submissions are still trickling in and being accepted. Our sponsorship drive is winding down at present we have confirmed sponsor funding of \$8,850 our original budgeted sponsorship amount was \$6,000.

The annual CGS conference committee in Calgary has also shown us very generous support by providing us a link from their website and a free room for us to hold our icebreaker event in their conference hotel.

(as per information provided by Kent Bannister, Conference Co-Chair).

## **3. Canadian Delegates for 4<sup>th</sup> IYGEC –**

The 4th International Young Geotechnical Engineers Conference (IYGEC) was held in Alexandria, Egypt. The conference was held in conjunction with the ISSMGE conference in October. The selection committee for the Travel Award comprised Corey Froese (Chair), James Blatz, Jocelyn Grozic and Greg Siemens. Upon review of the 19 applications received by the selection committee, Kent Bannister (Manitoba Hydro, Winnipeg) and Suzanne Powell (Queens, Kingston) were selected as the recipients of the Travel Award.

The conference was attended by 84 delegates from 44 countries, split almost evenly between academia and industry. The first two days of the conference consisted of technical presentations by the delegates. Social events were held each evening. Through presentations, conversations and the sharing of ideas, the delegates learned about societal and political challenges that influence geotechnical work conducted around the world. The intimate conference setting promoted the collaboration and building of professional relationships outside the technical sessions. Delegates were then invited to attend the first two days of the ICSMGE, including “State-of-the Art” and “Special” lectures. The iYGEC delegates were given the option, at their cost, of registering for the remaining days of technical presentation at the ICSMGE.

Through attendance at both the 4<sup>th</sup> iYGEC and 17<sup>th</sup> ICSMGE, contacts and friendships were forged that will prove beneficial for the duration of our careers. We would both like to thank the CGS for providing us with this unique opportunity and would encourage the CGS to continue their support of this once in a lifetime event in the future. The experience was worthwhile and one that we will never forget!

(as per information provided by Kent Bannister, Travel Award Winner through Jit Sharma).

## **4. Canadian Foundation for Geotechnique National Graduate Scholarship**

The Canadian Foundation for Geotechnique National Graduate Scholarship, valued at \$5,000, was established by the Canadian Foundation for Geotechnique in 2007 on the occasion of the 60th Canadian Geotechnical Conference. CGS Education Committee is administering the scholarship.

2009 Scholarship: The call for nominations for the Canadian Foundation for Geotechnique National Graduate Scholarship was made in March 2009, and a reminder was sent out in early May 2009. The selection committee, assembled by the Chair, Dr. Paul Simms from Carleton University in Ottawa, consisted of five (5) members drawn from academia and consulting with representation from Ontario, Nova Scotia, Quebec, and Saskatchewan. [Selection Committee: Rodney McAfee (Practitioner from Nova Scotia), Catherine Mulligan (Concordia University, Montreal), Mamadou Fall (University of Ottawa, Ottawa), Ian Flemming (University of Saskatchewan), Murray Grabinsky (University of Toronto)].

The committee received nine (9) strong nominations, an increase from the five (5) nominations received the previous year. The winner, selected unanimously, was Marc-André Brideau, a Ph.D. student in the Department of Earth Sciences at Simon Fraser University. The 2009 scholarship was presented at the Canadian Geotechnical Conference, in Halifax, NS, in September 2009.

2010 Scholarship: A call for nominations was issued in March 2010 from the CFG. A reminder will be sent in May 2010. The selection committee will again be chaired by Dr. Paul Simms at Carleton University in Ottawa. The committee intends to reach a decision by July 15th 2010. The deadline for nominations is June 1st 2010. The scholarship will again be awarded at the Canadian Geotechnical conference in the fall.

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

#### **5. Webinars –**

The CGS has recognized that the use of web based seminars (Webinars), currently used by a number of learned societies, should be strongly considered as a platform for dissemination of technical information and sharing knowledge through special seminars, lectures, etc. The feasibility of webinars is currently in the process of being assessed by Dharma Wijewickreme (Chair, Education Committee) and Doug Stead (VP Technical).

#### **6. Financial Status**

The education committee does not currently have a separate bank account or line item in the CGS budget.

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### ***Heritage Committee - Jim Graham, Chair*** ***Report of Activities – July 1, 2009 to June 30, 2010***

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#### **Introduction**

The Heritage Committee manages archival and heritage material on behalf of the Canadian Geotechnical Society. Because the Society has no permanent office of its own, the Board of Directors in 2004 instructed the committee to manage a collection of ‘virtual’ archives on the CGS website at <http://www.cgs.ca/heritage-archive.php>. Current contents of the Heritage Archives pages are listed in Appendix 1. Information about the Committee itself can be found at <http://www.cgs.ca/committees.php>. The Committee arranges for scanning and uploading of material of general interest. It provides lists of sources of archival materials, for example in national and provincial archives, and in university libraries.

#### **Executive Committee**

The 2009-2010 Heritage Committee consists of the following members:

*Chair:* Jim Graham (until 31 December 2011)  
*Vice-Chair:* Mustapha Zergoun  
*Secretary:* -  
*Past-Chair:* -  
*Members:* Loretta Li, David Cruden, Ken Skafffeld, Sai Vanapalli

#### **Affiliations with Other Organizations**

The Heritage and Archives Committee, Engineering Institute of Canada.

**Membership Information** – None. (Committees do not register individual members.)

#### **List of Activities**

*Documents, PowerPoints and Videos:*

Uploaded ‘Bilingual glossary of landslide terms’, UNESCO/CGS, publ. BiTech Publishers (Cruden)  
Uploaded the paper by R.F. Legget (1988) on ‘Thomas Roy and his ‘Remarks on road making (1841)’ (Cruden).  
Uploaded the paper by McRostie and Crawford (2001) on the Gloucester Test Fill site (Vanapalli).  
- The latter two uploads were done after receiving permission from NRC Press.

Uploaded *The Canadian Geotechnical Society – a brief history*. Part of this text has been excerpted from "Canadian Geotechnical Society" by W.J. Eden, published in Geotechnical News in June 1985. Additions were made by A.G. Stermac in 1998 and by J.Graham up to 2010.

*Photographic Collections:*

No new uploads.

*Information and Location for Archival Records*

Uploaded Information about documents relating to Robert F. Legget held at Library and Archives Canada in Ottawa.

Acquired access to archival material generated during the preparation of *Handbook of Geology in Civil Engineering* by R.F. Legget and Paul Karrow. The University of Ontario Institute of Technology, Oshawa, (UOIT) has agreed to place this material with their collection of EIC archives.

Reorganization and uploading of new material on Thomas Roy – David Cruden, Stephen Otto.

*Lives Lived*

Prepared Policy statement for uploading obituary notices that have been published earlier in Geotechnical News and perhaps elsewhere. The notices are restricted to obituaries relating to members and past-members of the Society. The statement was approved by the Executive Committee in March 2010. The Society's policy statement and obituaries from Geotechnical News have been uploaded at <http://www.cgs.ca/lives-lived.php>.

Uploaded to the Committee pages Terms of Reference of the Committee, approved by CGS Board of Directors, 24 October 2004.

Prepared short article on the Heritage web pages for Geotechnical News, March 2010.

Participated in teleconference meetings of the Heritage and Archives Committee of EIC.

*The Geotechnical Society of Edmonton* (the Northern Alberta Section of the CGS) and the *Geotechnical Group at the University of Alberta* are collaborating in scanning and uploading of Proceedings of early Canadian Geotechnical Conferences. At the time of preparing this report, the financial arrangements for this work remain unclear (Cruden, Caughill, Segó).

Uploaded 'Top 10' – A list of heritage geotechnical papers from British Columbia in the Canadian Geotechnical Journal (Zergoun).

**Financial Status**           The Heritage Committee has no financial assets.

**Additional Information**

Ongoing work by members of the Committee includes:

- 1) Preparation of a photographic collection on the righting of the Transcona grain elevator. Also initial work on photographic collection of construction of the Shoal Lake-to-Winnipeg aqueduct (Skaftfeld).
- 2) Initial contacts regarding 'Recommended Reading' lists on 'quick clays' (Li), and geotechnical engineering in the Ottawa area (Vanapalli).
- 3) Investigating copyright issues about uploading previously published material (Zergoun).
- 4) Ongoing interest in the origins and background of Thomas Roy (Cruden).
- 5) The Committee invites members of the CGS Executive Committee, Section Directors and Division Chairs to recommend new members and activities for the Heritage Committee.

## **Appendix 1: List of Contents of the CGS Heritage Archives Pages at 25 May 2010.**

### *Documents, PowerPoints and Videos*

#### a) Documents:

1. *The Canadian Geotechnical Society – a brief history*. W.J. Eden, A.G. Stermac
2. *Geotechnical Engineering in Canada: An Historical Review*. Based on original interviews edited by C.E. Leonoff and published with funding from the Vancouver Geotechnical Society in 1997. Scanned in 2009 with funding from BiTech Publishers, Vancouver.
3. *Pioneers*. Tributes to early geotechnical engineers. The text complements the 'Cavalcade' video listed below, (Number 1 in *Videos*).
4. *Bilingual Glossary of Landslide Terms*. Prepared by the Landslides Committee of CGS for the UNESCO Working Party for the World Landslide Inventory. Published by BiTech Publishers, Vancouver, 1993.

#### b) PowerPoint Presentations:

1. *History of Geotechnique in Canada* – Michael Bozozuk
2. *Legacy Lecture – Outstanding Contributions to British Columbia by Eight Geotechnical Engineers*.  
- Bryan Watts.
3. *Leaders in Geotechnology and Hydrogeology*. Posters prepared for 61<sup>st</sup> Canadian Geotechnical Conference, Edmonton 2008 – Geotechnical Society of Edmonton.

#### c) Videos

1. *Historical Cavalcade*. A video tribute to leaders of the Canadian geotechnical community in the 1960s and 1970s, presented at the 50<sup>th</sup> Canadian Geotechnical Conference, Ottawa 1997.
2. *Engineering Judgment*. Ralph B. Peck, ISSMGE 1991, with introduction by N.R. Morgenstern.

### *Photographic Collections*

1. *Projects in Northern Canada*. Geotechnical activities in northern Canada – B. Ladanyi

### *Information and Location for Archival Records*

1. *Associate Committee of Soil and Snow Mechanics, Associate Committee of Geotechnical Research*.  
National Research Council, Ottawa – L. Gold.
2. *Northern Research Program*. National Research Council – L. Gold
3. *Geotechnical Research Site, Gloucester ON*. G.C. McRostie and C.B. Crawford, CGJ 2001.
4. *Canadian Heritage Project 1986*. University of Alberta Archives.
5. *Robert F. Legget – Documents and Papers*. Library and Archives Canada, Ottawa.
6. *Robert F. Legget – Letter*
7. *Robert F. Legget and Paul Karrow*. Documents relating to *Handbook of Geology for Civil Engineers* have been accepted for archiving by the University of Ontario Institute of Technology (UOIT).
8. *Thomas Roy - Geologist and Engineer*. Documents relating to the origins and work of possibly the first geotechnical engineering geologist in North America. National Archives, D. Cruden.

### *Lives Lived*

1. *Guidelines to Authors*. CGS policies on preparing and publishing obituaries on the CGS website.
2. *Obituaries*. The current list contains short obituaries for D.J. Bazett, O. Dascal, K.D. Eigenbrod, Z. Eisenstein, F.W. Firlotte, T.C. Kenney, D.H. McDonald, N. McCammon, G.G. Meyerhof, V. Milligan, P. Morin, R.B. Peck, C.F. Ripley, M. Roy, E.K. Sauer, A.G. Stermac, F. Tavenas

### *Lists of Recommended Reading*

1. *'Top 10' Heritage Geotechnical Papers from B.C.* – prepared by M. Zergoun.



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**Technical Committee on Landslides - Corey Froese, Chair**  
**Report of Activities – July 1, 2009 - June 30, 2010**

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**Executive Committee**

The 2010 members of the Technical Committee on Landslides are:

Chair: Corey Froese (Alberta Geological Survey)  
Past-Chair: Réjean Couture (Geological Survey of Canada, NRCAN)  
Members: Erik Eberhardt (University of British Columbia)  
Serge Leroueil (Université Laval)  
Jean Hutchinson (Queen's University)

**Affiliations with Other Organizations**

The Technical Committee on Landslides is affiliated with the Joint International Committee on Landslides and Engineered Slopes (JTC-1) of the three mother societies, ISSMGE-IAEG-ISRM. Oldrich Hungr (UBC), Serge Leroueil (U.Laval), Stephen G. Evans (U.Waterloo), and Réjean Couture (NRCAN) are CGS representatives on the JTC-1. The next meeting of JTC1 will be held in Alexandria (Egypt) in October 2009 in conjunction with the next ICSMGE.

**Activities**

Joint 11<sup>th</sup> International Symposium on Landslides/2<sup>nd</sup> North American Conference on Landslides

In June 2008, prior to the 10<sup>th</sup> ISL in Xian China, the JTC-1 communicated to members that there was currently no submission to host the 11<sup>th</sup> ISL in 2012. Typically a decision amongst a number of proposals is made at the current ISL for the next ISL. Based on this, the Canadian Landslides Committee made the decision to prepare a letter of intent to host the Joint 11<sup>th</sup> ISL/2<sup>nd</sup> North American Symposium on Landslides in Banff in 2012. This letter was supported by the CGS and AEG (United States). The letter was presented at the JTC-1 meeting in Xian by Rejean Couture and Serge Leroueil and unanimously supported by the JTC-1 members, contingent on the submission of a more formal proposal at a later date. Since the "award", the Landslides Committee has formed a small committee with significant experience in hosting similar type and size of events.

The current planning committee is comprised of the following members:

Chair: Corey Froese (Alberta Geological Survey)  
Technical Committee: Erik Eberhardt (UBC) (Chair)  
Serge Leroueil (U Laval, Québec)  
Jean Hutchinson (Queen's, Kingston)  
Advisory Committee: Peter Bobrowsky (Chair)  
Field Trips: Rejean Couture (GSC/NRCAN, Ottawa)  
Local Rep: Simon Cullum-Kenyon (Thurber, Calgary)  
AEG Rep: Keith Turner (Colorado School of Mines, Boulder)  
Secretary: Neil Kjelland (Alberta Transportation)  
Conference Manager: Wayne Gibson (Gibson Group)

In November 2008, two venues were visited by Froese and Gibson and evaluated by the committee in terms of function, suitability and price. Based on this evaluation, the Gibson Group is in final contract was negotiated and signed with the Fairmont Banff Springs to hold the conference between June 3 and 8, 2012. In addition, a number of pre, mid and post conference field trips have been compiled by Rejean Couture.

Since the spring 2010 report, the following progress has been made:

- Ongoing development of the technical program
- Expansion of the technical committee with two members from AEG
- Naming of Peter Bobrowsky as Chair of the International Advisory Committee
- Development of Terms of Reference for Advisory Committee
- Initial development of field trip options
- Development of logo and preliminary website concept (to be live June 2010)

Milestones to follow prior to end of 2010:

- First Bulletin circulated fall 2010 in time for fall geo-engineering meetings
- Continued work on technical program and field trips for website content and bulletin
- Development of an updated budget and formal request for seed monies from CGS.

#### 2009 Schuster Medal

For the 3<sup>rd</sup> time, the CGS and Association of Engineering Geologists (AEG) will be awarded the Schuster Medal. At The First Schuster Medal was awarded to R. Schuster (USGS) himself, for his tremendous contribution to better understanding landslide hazards and risk through his long and successful career. The Schuster Medal is a joint award from the Association of Environmental & Engineering Geologists and the Canadian Geotechnical Society that recognizes excellence in geohazards research in North America. All nominees for the Schuster Medal must meet at least two of the following criteria:

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

The 3<sup>rd</sup> Schuster Medal was awarded to Dr. Barry Voight, who is Emeritus Professor of Geology and Geological Engineering at Penn State University. Barry Voight's contributions to the study of geohazards span over more than 45 years. He has a prolific career as a practitioner, educator and researcher. His reputation in the USA and internationally is outstanding, and there is no doubt that he deserves this recognition from the North American geohazards community for his outstanding contributions to the study of geohazards. The 3<sup>rd</sup> Schuster Medal was presented to Barry at the annual Association of Engineering Geologists (AEG) meeting in Lake Tahoe, Nevada in September 2009.

Since the inception of the Schuster Medal the location that the award has been given has alternated between Canada and the USA. Based on discussions with the AEG executive it has been decided that the 2010 Schuster Medal will be awarded at the 2010 AEG meeting and then return to Canada to be awarded in 2011 at the 5<sup>th</sup> Canadian Geohazards Conference and in 2012 at the 11<sup>th</sup> International/2<sup>nd</sup> North American Symposium on Landslides.

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**Membership Committee Report - Nigel Denby, Chair**  
**Report of Activities – July 1, 2009 - June 30, 2010**

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**1. Membership Status**

Current Membership for 2010 = **1139** (as of June 18, 2010)

Total membership in 2009 year-end was 1,125

**2. Historical Numbers**

<u>Year</u>	<u>Spring Membership</u>	<u>Year-End Membership</u>	<u>% Spring/Year-End</u>
2001	980 (Apr 17)	1,148	85.4
2002	964 (Apr 1)	1,259	76.6
2003	911 (Apr 11)	1,235	73.8
2004	907 (May 5)	1,156	78.4
2005	844 (Apr 1)	1,133	74.5
2006	1015 (Apr 19)	1,178	86.1
2007	762 (Apr 15)	1,062	71.8
2008	954 (April 3)	1,218	78.3
2009	1070 (May 1)	1,125	95.1
2010	no data	1,139	

**3. By Region**

**Year End Comparison**

<b>REGIONS</b>	<b>Year End 2008</b>	<b>Year End 2009</b>	<b>Year End 2010</b>	<b>Difference 2010/2009</b>
<b>British Columbia</b>	209	206	217	+ 9
<b>N. Alberta, Territories</b>	120	112	119	+7
<b>Southern Alberta</b>	120	121	129	+8
<b>Saskatchewan</b>	40	35	36	+1
<b>Manitoba</b>	47	57	43	-14
<b>North &amp; East Ontario</b>	97	72	72	0
<b>Southern Ontario</b>	280	270	274	+4
<b>Western Quebec</b>	78	80	66	-14
<b>Eastern Quebec</b>	45	45	58	+13
<b>Atlantic</b>	66	62	53	-9
<b>International</b>	93	65	72	+7
	1195	1125	1139	+14

The membership numbers for 2010 are consistent with previous years.

Attached are the minutes from the Membership committee meeting held at the 2009 CGS Conference in Halifax. Several of the action items were implemented in the 2010 membership year and likely helped to keep the membership numbers close to previous years.

Executive Committee of CGS has decided to put together a special task force to look into the membership issue. Mr. Richard Bathurst, from RMC, has agreed to Chair this Task Force and the Board will be asked to make the Task Force mandate official (and approve its participants) at this year's CGS Conference in Calgary.

## ***Minutes of the Membership Committee Meeting 2009***

### **Place:**

Halifax, 62<sup>nd</sup> CGS conference  
Wednesday September 23rd, 7:45 am to 8:30 am  
Room Nova Scotia A, Marriott Harbourfront

**Objective:** To discuss the CGS Memberships in order to develop a strategy to increase memberships

**Participants:** Nigel Denby, Wayne Gibson, Michel Aubertin, Peter L. Wu, Tae C. Kim, Stéphanie Perret, Priscilla Desgagnés, Pascal Locat, Paul Dittrich, ... and others (an attendance list was not taken as this was an open forum)

### **Minutes and Action Items**

The membership for the CGS at the time of the meeting is 1108 paid members. From year to year, this membership fluctuate but the CGS tries to maintain a membership of around 1200 members, which represents – we believe - about one third of the geotechnical engineer population in Canada. A general discussion on what we can do in order to attract more geotechnical engineers (as well as engineers from other fields, or other professionals...) to become members of the CGS was the main focus of the meeting. The following comments and action items were discussed:

1. Section Directors are part of the membership committee but many of them do not know this. The Membership Chair and Wayne Gibson would distribute the document that outlines the responsibility of the Section Directors to assist in the membership drive.

**Action: Nigel Denby and Wayne Gibson**

2. A Power Point presentation should be developed that presents the benefits of the CGS to members. A Power Point presentation was prepared by Nigel Denby for the local Vancouver Geotechnical Society. In this presentation, a list of obvious benefits and not-so obvious benefits were listed. Stephanie Perret (VP of Communications) was to prepare a universal Power Point Presentation for distribution to the Section Directors. The Section Directors would present this presentation to the local chapters in their region.

**Action: Stephanie Perret and Section Directors**

3. Wayne Gibson has been trying to update the membership list (both active and inactive). It was suggested that Wayne contact the local sections and get their database.

**Action: Wayne Gibson**

4. CGS and the local sections should reconnect and common strategies should be established for all the sections in order to attract new members. Also, the local sections should harmonize their general “way of doing” regarding events and activities held in their locality.

**Information Only**

5. It was suggested that there should not be any “local registration fees”. It is believed that it interferes with the national registration interest. This item was raised but would be difficult to enforce or convince local chapters not to charge a small fee as the local chapters rely on this revenue to pay for local events.

**Information Only**

6. Incentives for CGS members at local events should be provided. For example, the local section of Ontario holds gatherings (such as dinners or other activities) with geotechnical engineers of that locality... lower fees are charged for those who are member of the CGS.

**Information Only**

### Some Ideas that were discussed in general:

- i. It was suggested that an attractive registration brochure could be produced (there is one already but it should be up dated). Information about the benefits of becoming a member should be included. This would be posted on the website and given away at the conf. registration desk.
- ii. Advertisement about CGS and membership should be put in the geotechnical news.
- iii. In the advertisements, make sure to highlight the benefits of becoming a member... other than the annual conference. Make the list of the not-so obvious benefits as much as obvious benefits.
- iv. The education committee should be more involved in the process of attracting new student members.
- v. The local sections could hold gatherings such as dinners, talk, etc...(see what Ontario does) by inviting senior geotechnical engineers of the industry or other people related to the field and promote the society. The seniors would then be invited to promote the society and encourage their peers and employees to become members.
- vi. Local sections should go and meet with the students of their locality to promote the Society.
- vii. Re-activate the « associate membership » (or “*corporate membership*”), for the insurance people, lawyers... and all those who are making money out of our work...
- viii. Hold a survey amongst the members in order to well understand their profile, interests, what they like about the Society, what they don't and what kind of service they would like to get from the Society, their expectations... etc.
- ix. Plan a few hours next year (during the 63rd conference) for a meeting with the membership committee. In the meantime, other meetings should be setup through phone or internet with the committee.

The meeting was chaired by Nigel Denby (Chair of the Membership Committee) who prepared these minutes with the help of Priscilla Desgagnés. If you have comments or questions regarding these minutes, please contact Nigel Denby at [nigel.denby@stantec.com](mailto:nigel.denby@stantec.com) or 604-436-3014.

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**Transportation Geotechnique Committee - Tim Keegan, Chair**  
**Report of Activities – July 1, 2009 to June 30, 2010**

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**Introduction**

The Transportation Geotechnique Committee (TGC) was given status as a specialty committee under the Soil Mechanics and Foundations Division in September 2005. The proposal for the committee was submitted to the CGS by Keith Kosar and Roger Skirrow in August 2005.

**Executive Committee**

The 2009-2010 Committee Members of the Transportation Geotechnique Committee (TGC) consists of the following members:

Chair: Tim Keegan

Vice-Chair: Mario Ruel

Secretary: Rotating among members

Past-Chair: Anne Poschman

Members: Roger Skirrow, Heidi Evensen, Tim Keegan, Chris Bunce, Baolin Wang, Marolo Alfaro, Tony Ng, Guy Doré, Anne Poschmann, Neil Kjelland, Priscilla Desgagnes, Tae Kim, Kim Johnston, Jorge Antunes, Serge Bourque, Mario Ruel, Mark Pritchard, Carol McQuarrie, Mustapha Zergoun, Tom Edwards, Pete Quinn, Rod Ramage, Wim Vangassen, Keith Kosar, Dave Cruden, Jean Hutchinson

**Affiliations with Other Organizations**

The TGC is a committee which functions under the Canadian Geotechnical Society (CGS).

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

The TGC is affiliated with the Railway Ground Hazard Research Program (RGHRP) Committee with a number of our members, including myself, serving on the RGHRP Technical Committee.

**List of Activities**

CGS 2009 Conference, Halifax – There was a specialty session of the Transportation Geotechnique. Tim Keegan, Chair was unable to attend and Mario Ruel chaired the session. A subcommittee meeting was held after the specialty session. It was a very popular session and there was a lot of interest, not only in the Committee but in the technical sessions! There was a general consensus that we could expand Transportation Geotechnique to at least two and possibly three specialty sessions in the 2010 CGS conference in Calgary. This would of course depend on the volume of abstracts that come in and time and venue restrictions. The purpose of the sessions would be to provide a forum to showcase innovation in Transportation Geotechnique. The general topics discussed were:

- Innovations in Infrastructure design and management
- Innovations in Risk sharing along transportation corridors
- Showcase results of the Railway Ground Hazard Research Program
- Transportation Geotechniques for cold regions and global warming

Specialty sessions were requested for the 2010 CGS conference in Calgary and the Calgary committee has expressed support for the sessions.

The RGHRP Technical Committee was approached and offered full support in the form of abstracts. They are interested in a separate Transportation Geotechnique specialties session dedicated to RGHRP content.

The future activities and initiatives of the committee will be discussed in September at the CGS Calgary Conference and I will report the main results of this meeting to the CGS Executive at that time. The three-year committee chair term will end in December 31, 2011.

**Financial Status**

The committee has no operating budget of its own.

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**Professional Practice Committee - Yves Cormier, Chair**  
**Report of Activities – July 1, 2009 to June 30, 2010**

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**Introduction**

The Professional Practice Committee (PPC) concluded another busy year. We are happy to report that most of the major objectives for the year were completed and planning for activities in the 2010-11 season are already underway.

**Executive Committee**

The 2009-2010 Executive of the Professional Practice Committee consists of the following members:

Chair: Yves Cormier  
 Past Chair: Roger Skirrow  
 Members: Paul Green James Blatz Kent Bannister

**List of Activities**

The Professional Practice Committee set a number of goals for this year which included:

<b>Objectives</b>	<b>Status</b>
1. Collecting feedback from CGS members via an on-line survey;	Completed
2. Continuing the delivery of specialty sessions during the Canadian Geotechnical Conference (CGC);	Completed (Halifax)
3. Publishing an article in the Geotechnical News;	Completed
4. Updating PPC information on the CGS website;	On-going
5. Reviewing and updating PPC documents and reference material on the CGS website; and	On-going
6. Securing Specialty Sessions for GeoCalgary 2010 Conference	On-going

As noted earlier, most of the objectives for the year have been completed. On-going activities, such as updating the website, will carry forward into the following year. Planning of two specialty sessions at the upcoming GeoCalgary 2010 conference this fall is well underway and is expected to be completed this summer.

The executive was again quite active during this past year with the following activities:

<b>Date</b>	<b>Activity / Event</b>
September 2009	PPC executive meeting
September 2009	Specialty Sessions at the CGC (Halifax) <ul style="list-style-type: none"> <li>• Session 1: Are Lawyers from Heaven and Experts from Hell</li> <li>• Session 2: Projects Gone Wild</li> </ul>

October 2009	PPC executive conference call
November 2009	<ul style="list-style-type: none"> <li>• CGS member survey</li> <li>• PPC executive conference call</li> </ul>
January 2010	Closed on-line survey site and downloaded member responses from survey
February 2010	Submitted article to Bi-Tech for publishing. (Published in Spring 2010)
March 2010	PPC executive conference call
May 2010	PPC executive conference call
June 2010	PPC executive conference call

### **Additional Information**

My term as Chair of the Professional Practice Committee is ending. It has been both a pleasure and privilege to serve for the past three years and I extend a sincere thank you to the committee executive as well as the CGS executive for their work and support during my tenure.

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## ***Geotechnical Research Board - Dieter Stolle, Chair Report of Activities – July 1, 2009 to June 30, 2010***

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### **Membership**

The executive members of the Geotechnical Research Board (GRB) are: Michel Aubertin (Past Chair), James Blatz, Myint Win Bo , Bruno Bussière, Jean Côté , Ian Fleming, Murray Grabinsky, Catherine Mulligan, Dieter Stolle (Chair), René Therrien, Jamie VanGulck, and Arun Valsangkar Dharma Wijewickreme and Tai Wong.

### **List of activities**

*GRB session at the CGC'09:*

James Blatz was invited to present a synthesis on information available to the open public regarding: 2009 Budget; 2009 Discovery Grants Competition; Conference Review Model.

There was discussion on the Terms of Reference for the Colloquium Speaker with regard to eligibility.

In order to facilitate transition of Chairs, it was recommended that vice chair be selected to be active for the last year of a serving Chair's term.

#### *Colloquium:*

Four strong candidates were nominated for the 2011 Colloquium. The selection committee, presided by the GRB Chair completed reviewing and ranking the different proposals following the rules adopted by the Society. The selection committee comprised the Technical Division Chairs, the Editor of the CGJ, and GBR members. The selection of the 2011 Colloquium speaker, to remain confidential, was finalized before mid April, the winner being Craig Lake. An announcement will be made at the upcoming conference in Calgary.

The 2010 Colloquium will be presented during the Calgary conference by Corey Froese from the Alberta Geological Survey. His presentation will be on "Evolving Trends in Modern Geological Hazard Risk Management".



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**Canadian Geotechnical Journal - Ian D. Moore, Editor**  
**Report of Activities - July 1, 2009 to June 30, 2010**

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**Introduction**

During 2009, a total of 350 manuscripts were received, with 117 published (96 Articles, 13 Notes, 4 Discussions and 4 Replies). NRC Press continues to go through the process of becoming a private, not-for-profit corporation following the decision for NRC to divest itself of NRC Press. It remains to be seen how the journal is affected by this change. One concern is the reduced budgets being proposed for provision of editorial assistants. Open content will cease at the end of 2010, so the CGS Board will need to provide members with access options for the journal (perhaps like those for international members). Canadian consultants, Universities and other groups requiring access will also need to re-subscribe to the journal, and I encourage you all to have your librarians do so. I will keep the President and Secretary of the society aware of these developments as they unfold.

As usual, there has been some turnover of the Editorial Board and a number of Associate Editors have tendered their resignation. My sincere thanks to Frank Barone, James Blatz, John Carter, Michael Davies, K.K. Phoon, and William Powrie for their excellent service to our community. A number of individuals have joined the board, and the current Associate Editors are Tarek Abdoun, Bruno Bussi re, David Chan, David Cruden, Jos e Duchesne, Hesham El Naggari, Fabrice Emeriault, Chris Haberfield, H.P. Hong, Buddhima Indraratna, Jayantha Kodikara, Craig Lake, Hani Mitri, David Muir Wood, Charles Ng, Kent Novakowski, Scott Olson, Jin Ooi, Ryan Phillips, Kerry Rowe, Wayne Sauvigny, Jitendra Sharma, Daichao Sheng, Greg Siemens, Richard Wan, Andrew Whittle, Dharma Wijewickreme, Jian-Hua Yin and Hai-Sui Yu (16 Canadians and other members from the Australia (4), France, Hong Kong (2), the United Kingdom (3), and the US (3). I would like to thank all of the Associate Editors for their excellent work and dedication.

The peer review process is essential in maintaining the standard of our Journal. The Editorial Office truly appreciates the work performed by our reviewers.

In closing, I would like to thank Deborah Cooke, whose work as the Editorial Assistant is key to the effective, efficient operation of the Editorial office – her contributions are outstanding.

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**Canadian Geotechnical News - Phil Bruch**  
**Report of Activities July 1, 2009 - June 30, 2010**

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**Introduction**

I have been the editor of CGS News in Geotechnical News for four years and have two years remaining in my current term (my second three year term).

Geotechnical News is published four times a year (March, June, September and December). The mandatory items that are to appear in each specific issue are detailed in the CGS Administration Manual. The CGS News items are submitted to BiTech by the CGS News Editor approximately 2 months prior to the publication date for Geotechnical News. CGS News is also to be posted on the CGS website, but I have not been getting the files uploaded. Getting the information on the website updated will be a primary objective of mine for the upcoming year.

I would like to thank Michel Aubertin, Victor Sowa and the Canadian Foundation for Geotechnique for their contributions to the column. Also, I greatly appreciate the support that I have received from the CGS executive and board.

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