

# Annual Report 2014 - 2015



**The Canadian Society for Civil Engineering**



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September 30, 2014

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# **Minutes of the 2014 Annual General Meeting (AGM)**

## **May 31, 2014, Nova Scotia Ball Room, Marriott Harbourfront Hotel, Halifax, Nova Scotia**

### **1. Call to Order**

The 2014 Annual General Meeting (AGM) of the Canadian Society for Civil Engineering was called to order by President Reg Andres at 1:20 p.m. It was determined that quorum was present as per Section 13.1 of the bylaws and thus the meeting was duly constituted.

### **2. Adoption of the Agenda**

On a motion proposed by Vic Perry, seconded by Mike Bartlett, the proposed agenda for the meeting was presented to the members for acceptance. The motion was carried unanimously.

### **3. Approval of the Minutes of the 2013 Annual General Meeting, May 31, 2013 (Montreal, QC)**

On a motion proposed by Mike Bartlett, seconded by Cathy Lynn Borbely, the minutes of the 2013 Annual General Meeting were presented to the members for acceptance. The motion was carried unanimously.

### **4. Articles of Continuance**

On a motion proposed by Brian Burrell, seconded by John Newhook, the members were asked to approve the submission of Articles of Continuance as required under the new federal Not-for-Profit act. The motion was carried unanimously.

### **5. By-law revisions**

On a motion proposed by Mike Bartlett, seconded by Adrian Munteanu, the members were asked to approve by-law revisions required to comply with the new federal Not-for-Profit Act. The motion was carried unanimously.

### **6. President's report**

President Reg Andres identified all attending members of the Board of Directors and thanked them for their contributions to CSCE over the past year.

President Andres outlined his goals and vision for the upcoming year and stressed the importance for all levels of CSCE to implement initiatives in support of the Three Strategic Directions. For his part, Andres committed to working in particular on initiatives related to leadership in sustainable infrastructure including, the development of a Canadian infrastructure sustainability assessment process.

President Andres further committed to providing members

with a bi-annual update on progress made with respect to the Three Strategic Directions with a Strategic Initiatives Report Card, the first issue of which will be provided in June 2014.

On a motion proposed by James Garland, seconded by Gord Jin, the members were asked to approve receipt of the President's report. This motion passed unanimously.

### **7. Report of the Honorary Treasurer**

In the absence of the Honourary Treasurer, President Andres presented the Honourary Treasurer's Report and asked if there were any questions with respect to this report. No questions were raised.

On a motion proposed by Jeff Rankin, seconded by Glenn Hewus the members were asked to approve receipt of the Honourary Treasurer's Report. The motion passed unanimously.

### **8. Remaining Reports**

On a motion proposed by Brian Burrell, seconded by John Newhook, the members were asked to approve receipt of all remaining reports as provided in the Annual Report. The motion passed unanimously.

### **9. Appointment of auditors for the year ending September 30, 2014**

On a motion proposed by James Garland, seconded by Adrian Munteanu, the members were asked to approve the appointment of Collins Barrow as auditors of CSCE and the CSCE Foundation for the year ending September 30, 2014. The motion passed unanimously.

### **10. Nomination Committee Report**

Past President Jim Kells presented the Nomination Committee Report. The names of the individuals recommended by the Committee for Board positions were provided in the Notice of Annual General Meeting mailed to all members in advance of the meeting.

On a motion from Jim Kells, seconded by Vic Perry, the members were asked to approve the Nominating Committee recommendations for Board members. The motion passed unanimously.

Jim Kells then asked all attending new Board members to be stand and be acknowledged by the members in attendance.

**11. Ratification of actions of Officers and Directors**

On a motion proposed by Wade Zwicker, seconded by Cathy Lynn Borbely, the members were asked to ratify actions taken by the Officers and Directors of CSCE since the previous Annual General Meeting. The motion passed unanimously.

**12. Other Business**

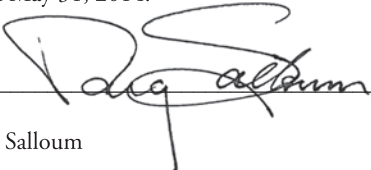
No other business was proposed by the members in attendance.

**12. Adjournment**

On a motion proposed by Mike Bartlett (no seconder required) the members were asked to adjourn the meeting. The motion passed unanimously and the meeting adjourned at 2:10.

Certification:

I hereby certify that I am an authorized office of the corporation and that these minutes are a true record of the Annual General Meeting of the Canadian Society for Civil Engineering, which took place on May 31, 2014.

Signature:  \_\_\_\_\_

Name: Doug Salloum

Title:  
Executive Director, Canadian Society for Civil Engineering

Date: July 3, 2014

# President's Report

I am pleased, for a second time, to declare it has been my privilege to serve as CSCE President this past year. The opportunity to represent CSCE is an honour and I have worked hard to make a difference. In reality it is not the personal efforts of the President that makes a difference. Without a doubt, it is the countless hours of effort by the many volunteers that provide leadership and participation in Committee / Division / Region / Section and individual activities that makes the real difference. My perspective on CSCE and its role and importance in the Canadian mosaic has been permanently impacted by having served as President. What I previously perceived to be an overly complex organizational structure, I have now come to appreciate as a significant strength. It only required an understanding of how the individual parts work in the context of the overall operation and purpose of the Society to recognize that "... the whole is greater than the sum of the parts". This put a completely different perspective on what the leadership of the organization needed and impacted my view of the role of the President. I hope I got it right!

## A retrospective for Vision 2020

In 2011 CSCE adopted its new Vision 2020. This vision was developed under the leadership of Vic Perry and formally accepted when Randy Pickle carried the leadership of the Society. Jim Kells then had the task of beginning CSCE on this new road to implementing Vision 2020. The process of adapting institutionalized processes to a new vision is not an overnight event.

In the first year of managing such a change CSCE leadership began to raise the visibility of the new vision to the members. Our entire organization needed to understand what it meant with regards to our planning processes and activities. I had a fairly clear view at the start of my time as President that CSCE's leadership needed to continue to raise the profile of the new vision and begin the process of focusing more and more of the Society's planning and implementation activities on our strategic directions, embedding them into our operations. I feel we have had some successes in understanding and defining many of these processes. In fact, most of these are not necessarily new but rather existing processes viewed through a new lens focused on improved services to members, growing with youth and sustainable infrastructure.

In these past 2 years we have established some new building blocks and reinforced others to set a foundation for the future. Some of the accomplishments include:

- Beginning a process to update our operating By-laws. We are now current with the new 'Not-for-Profit' legislation. We are doing some house cleaning with the current By-laws and will undertake a final step of reviewing strategic operational activities of the Society that may or may not need some final changes to the By-laws.
- Changing the fiscal year end of CSCE to match the

calendar year. This was needed to meet some timing requirements specified in the Not-for Profit legislation.

- Adding several new or restructuring some existing committees to provide specific focus on a number of important areas that either expanded our services to a broader group of civil engineers (e.g. Engineering Management Committee) or focused attention on services that would support our ability to implement new strategic initiatives (e.g. Communications Committee, Conference Committee, Technical Publications Committee).
- Establishing some "accountability" reporting mechanisms for our strategic activities such as the Report Card.
- Updating our planning cycle to focus on defining and implementing strategic activities.
- Preparing board agendas with more focus on strategy and less on operations.
- Working on improving internal communications to strengthen the links between Sections / Regions and Divisions / Committee for supporting each other through our strategic directions.

The motivation for improving the internal operations and processes of CSCE has been to improve our services to our members. It has also been to strengthen our ability to gain a higher exposure to the rest of Canadian society, whether this is to individual citizens or to political agencies, such that CSCE is recognized and looked upon as an organization that speaks out on areas of social value and relevance to society at large.

## Be Seen, Be Heard, Be Relevant (2014-15)

One of the important responsibilities of the President is to represent CSCE at various events. I counted this a privilege, especially when there was an opportunity to speak on behalf of CSCE. In 2014 / 15 CSCE was invited to attend a number of events that demonstrated progress in our goal of visibility, recognition and relevance.

In August of 2014 CSCE was invited by the Premier of Ontario, Kathleen Wynne, to attend an infrastructure summit titled "Building Canada Up" hosted by Premier Wynne and Premier Selinger (Manitoba). I had an opportunity to provide perspectives directly to Premier Wynne on infrastructure management and initiatives of CSCE related to sustainable infrastructure. These were provided as she was preparing to present the findings of the Provincial Territorial Working Group on Infrastructure, including the Summit discussions, to the Premiers of Canada at their summer Council of the Federation meeting.

Later in the fall CSCE was invited to make a presentation to the Transportation Association of Canada (TAC) Chief Engineers

Council. This was an excellent opportunity in front of Provincial and municipal representatives to present CSCE's perspectives on the Canada Infrastructure Report Card and the concept of a sustainability rating system for Canada's infrastructure. Both subjects were received well, initiated significant discussion and presented potential opportunities for collaboration and follow-up with TAC.

In November CSCE was asked to participate in the first International Sustainable Infrastructure Conference hosted by ASCE. I had the privilege to present the "State of Practice (Sustainable Infrastructure) in Canada" at this international event. I was proud to be one of about a dozen other Canadians represented at this highly successful conference to present several CSCE perspectives and initiatives. The opportunity to host this conference in subsequent years is a distinct possibility. This was an important event for sustainable infrastructure.

In the spring of 2015 CSCE was invited by Infrastructure Canada to attend a national Roundtable on asset management. Additionally, I was asked to be the Roundtable "facilitator". I naturally jumped at the opportunity and the event, attended by representatives of all Provinces and Territories, First Nations, half a dozen municipalities and the Federal Government, provided a significant dialogue on the challenges of asset management processes within governmental agencies. Follow up to this event, being the facilitator, has resulted in an on-going dialogue with Infrastructure Canada and the potential to continue to provide some "leadership" in future initiatives with Infrastructure Canada.

These types of opportunities do not come easy. In some cases the influence and connections of previous CSCE Presidents were instrumental in getting these invitations. In others it was simply CSCE's visibility and reputation that resulted in an invitation. I am pleased to say CSCE is getting acknowledged and we need to keep our momentum in building this level of recognition. Many of our strategic activities planned for the future are designed to do just that. I believe our best opportunities to continue this process is founded on our strategic direction related to sustainable infrastructure and growing with our youth. I never want to underestimate the power of our young professionals and our students. It will require continued partnerships with other national organizations and recognizing the opportunities where CSCE should respond and make itself heard.

### Challenges for the Future

More work is needed to continue to strengthen the internal workings of the Society in order to strengthen our external exposure and recognition to Canadian society at large.

Some of the challenges in front of us include developing a strong communications strategy that provides mechanisms for national exposure such as press releases, social media, video technologies, publications, etc. This requires content information that would come from our Technical Divisions, Committees and membership at large. We need mechanisms to extract the type of information

from specialty conferences or responses to current infrastructure events that can be structured as statements of position or advocacy for public broadcast.

We need to address the membership profile of CSCE holding on to mid-career engineers as members.

We need to reach out to a broader category of civil engineers who will find CSCE relevant to them because CSCE is relevant to Canadian society. Our goal of 10,000 members in 2020 is attainable but not without some focused actions to achieve it. Finally we need a continuation of dedicated service from hard working volunteers from a growing group of CSCE members. We need to recognize the value of the current members – academics and researchers, business practitioners, students, young professionals, senior members, mid-career engineers.

CSCE needs to reach out and be relevant to all civil engineers in a way that they each find CSCE to be an organization through which they receive support for their careers and a place to express views to Canadian society that is relevant to critical issues of the day and responds to the moral and stewardship responsibilities to which civil engineers dedicate their careers.

I believe CSCE is up to the challenge and will succeed in these lofty goals!

### Final Remarks

In closing, I want to thank the Society for entrusting to me in the past two years the role of President of this prestigious and esteemed organization. I want to thank all those volunteers who have worked so hard for the CSCE. Your efforts have been noticed. I want to thank those who have worked closely with me in leadership roles. I was inspired with your efforts and dedication to CSCE. I have gained a strengthened vision of my responsibilities as a civil engineer through this experience. I have gained many new friends. I have a deepened enthusiasm and desire to do more with my career as a civil engineer for the good of Canadian society. I have a strong belief that CSCE is the vehicle through which this can be achieved.

President (2013 – 2015), **Reg Andres**, P.Eng., FCSCE

# Executive Director's Report

As mentioned in the Reports of some of your Board Members elsewhere in this Annual Report, the basic processes for the implementation of CSCE's Vision 2020 are starting to come together, in particular at the Board level.

An essential component in this process is the November/December Strategic Planning workshop, managed each year by the Senior Vice President and the President Elect. This year the workshop was in Montreal on November 22. The particular focus this year was on bringing the Administration Coordinating Committee Chairs into the Strategic Planning process.

During the workshop a large number of strategic and operational ideas were put forward, that in the opinion of the participants will contribute to our Strategic Directions. Of these ideas, some were identified as both immediately feasible and necessary. These initiatives are listed in the January 2015 Strategic Initiatives Report Card, which has been made available to all members. Specific Board members are committed to delivering on each initiative. In June of this year and January of next year, the Board will report on progress made against these 2015 objectives.

As part of the November workshop planning process a number of initiatives were also assigned to National Office, in addition to the current operational responsibilities. As your Executive Director, I am responsible during 2015 for these initiatives, as follows:

- Increase recognition of significant contributions by volunteer Executives;
- Determine if Student membership numbers can be permanent and if so implement;
- Develop standard letter and send to conference registrants and workshop attendees who do not join as members or who join but do not renew;
- Develop standard presentation on sustainable infrastructure and integrate into Professional Development activities;
- Develop initiation material for new Board members;
- Develop draft Communications Strategy;
- Complete transfer of History website to CSCE website;
- Improve navigation on CSCE website to provide more profile of H&F awardees and;
- Ensure that annually the winning projects/technologies of the CANAM Award of Excellence in Civil engineering Excellence and the CSCE Award for Governmental Leadership in Sustainable Infrastructure are profiled in Canadian Civil Engineer magazine and electronically.

I am committed to delivering on these objectives and I thought it was important that you be aware of my commitment. I welcome any questions from members on these and other activities of National Office.

I would like to thank the Board of Directors of CSCE for their commitment and leadership and also your hard working, professional and pleasant National Office staff: Lois Arkwright, Mamoud Lardjane, Patricia Kerr, Amie Therrien and Patricia Ricci.

CSCE Executive Director, **Doug Salloum**



# Report of the Senior Vice President

The Regional Vice-Presidents have continued their activities in enhancing communications within their regions. A number of the regions have had face-to-face meetings of the Regional V-P and the local Section Chairs, that have contributed to improved communications. Generally, the majority of the sections have continued to flourish. The Montreal Section, which was re-established last year, has had a very successful year. Serious attempts are being made to re-establish a Nova Scotia Section, based in Halifax, but we are still lacking an executive willing to take on the activity. Within the International region, the Hong Kong section is very active and there is some hope that a second International Section may be formed.

With respect to the strategic plan, the Regions and Sections continue to focus on recruitment, particularly among young engineers, in some cases, with some success. They are also focusing on communications, both within the regions and between the regions and other arms of the Society. Recent developments have increased the roles of the regions in nominations for Society Awards as noted in last year's report, and recruitment of representatives from the regions for some of the Society's Technical and Operational Committees.

Senior Vice President, **Tom Brown**

## Atlantic Region

The Atlantic Region comprises four Sections, including Eastern New Brunswick and Prince Edward Island, Newfoundland and Labrador, Nova Scotia and Western New Brunswick. The Atlantic Region Council is made up of the Atlantic Region Vice-President, Region treasurer and the chairs of the four Atlantic Region Sections. In the case where there is no active Section executive, a representative of that Section is included in the meetings, if possible. Due to the geographic nature of the Region, meetings of the Atlantic Region Council occur by teleconference and are planned to be held twice per year.

The **Eastern New Brunswick and Prince Edward Island Section** is chaired by Gerard Poitras. This Section holds executive meetings regularly and has good executive member representation with 10 filled executive positions including chair, vice-chair, and treasurer, among others. The secretary position is currently vacant. The sections Annual Meeting was held in October 2014.

A number of activities were held for members over the past year including a visit to the Transportation Discovery Center and a presentation of the Tower Road Dam & Reservoir project. The Eastern New Brunswick and Prince Edward Island Section provides strong support for the local student Section and over the past year provided their annual student jobs shadowing activity as well as providing support to the National Concrete Canoe Competition.

The Eastern New Brunswick and Prince Edward Island Section has planned to hold a ceremony in June for the recognition of the Acadian Aboiteaux located at the Fort Beauséjour historical site. The annual job shadowing event for students is also planned to be held in October 2015 instead of March 2016. This change should help recruit more students at the beginning of the academic year since student membership was low this year. Furthermore, the section provided support to the students of the Université de Moncton who will participate in the Capstone project competition at our Annual meeting in Regina. Section is finding it difficult to maintain a consistently high number of activities each year with a small budget and continues to identify the recruiting and retaining of new executive committee members as a challenge.

The **Newfoundland and Labrador (NL) Section** is chaired by Bing Chen. During this past year, the NL Section celebrated its 30th anniversary and held its Annual General Meeting in August 2014, where it celebrated past achievements and discussed strategy for future development. As part of the 30th anniversary celebrations, two NL Section Leadership Awards and two NL Section Outstanding Contribution Awards were presented to NL Section members who have made significant contributions to the

development and continuing activities of the NL Section.

The NL Section supported the CSCE Student Chapter at Memorial University during the past year in a number of activities, including the organization and presentation of the annual fall Civil Night for students. The Section also actively participated in and supported community and student events, such as the Iron Ring Ceremony and the Faculty of Engineering Open House held March 2015 in coordination with PEGNL to support National Engineering and Geoscience Month activities. The NL Section also collaborates with other associations, including the local chapter of the CGS.

The **Nova Scotia Section** is not currently active. The Annual Conference local organizing committee (LOC), chaired by John Newhook, successfully hosted the Society's 2014 Annual Conference from May 28th to 31st, 2014 at the Marriott Harbour front Hotel in downtown Halifax. The conference theme, "Sustainable Municipalities", promoted the central role of civil engineering systems in municipalities and the increasing importance of innovative solutions to create sustainable practices that can be implemented locally, nationally and internationally. During this past year, there have been discussions around the re-establishment of the Nova Scotia Section, but to date a new Section executive has not been established.

The **Western New Brunswick Section** continues in its rebuilding process, with its focus on joint activities with the active UNB CSCE Student Chapter. Highlights include a Student-Professional Networking and Professional Development Dinner held at the UNB campus. The guest speaker was Dr. Dhriendra Shukla, the J. Herbert Smith Chair in Technology Management and Entrepreneurship. This was the 3rd annual dinner of this type organized by the Western New Brunswick Section.

The Student Chapter has continued to grow its events, including developing its own Popsicle Stick Bridge Building Competition

as a feeder event to the national competition. UNB and the CSCE Atlantic Region has also sent students to the CSCE national conference and the national capstone design competition, and provided support for students to attend the national bridge building competition.

Vice-President Atlantic Region,  
**Susann Hickey**, P.Eng., FEC, MCSCE

### Quebec Region

The current chair of the **Quebec Section** is Mr Kim Lajoie, helped by a team of 9 persons coming from engineering firms, Quebec Ministry of Transportation, structures manufacturers and Laval University. The Laval University CSCE student chapter is also active on the executive committee, to maintain a strong link with civil and water engineering students.

During the period who began on October 1st 2013 and ended on December 31st 2014, the committee have organized a total of ten conferences about different topics of civil engineering such as: wooden building structures, wind energy projects, dam projects, water quality management and treatment, codes and standards for welded structures, BIM technology, St-Charles river clean-up, and many others.

A Career Forum was also organized to initiate the interaction between the young future engineers from the Student Chapter of Laval University with experienced professionals in the local area. The committee invited four senior engineers who come from the consulting firms Roche and WSP, from the steel structures manufacturer Supermetal, and also from the Quebec Ministry of Transportation.

The Quebec Section has also organised a student competition among the civil engineering students of Laval University. The objective of the competition was to produce a design model of the impressive steel structure of the Cap-Rouge "Tracel" rail-road bridge using the 3D modeling software SAFI. The winner team was awarded a prize of 3000\$.

Every year in May, the Quebec Section concludes its activity program with the

popular lobster dinner hosted in a restaurant located in the Old Quebec, a UNESCO World Heritage Treasure. More than one hundred people attend this activity every year. It is a very good activity to strengthen the relationships between CSCE members and to thank all supporting companies and organisations that provide financial support to the section.

The **Montreal Section's** new executive committee composed of the section chair, Jean-Luc Martel, along with seven other dynamic members from academia and the industry, organized the section's first fully active season since 2009.

The section's partner, the Montreal Structural Engineers (MSE), organizes a great amount of conferences on structural engineering subjects. Thus, the Montreal Section focused its program mainly on the other hot topics in civil engineering. This year, four conferences were given on the following subjects:

1. Opportunities offered by BIM technologies and processes;
2. Hydraulic structure design and climate change;
3. Asphalt pavement roadways VS concrete pavement roadways;
4. Life cycle analysis and eco-friendly construction practices.

On January 26th, a student career forum was organized attracting more than 100 students and engineers. During this activity, four distinguished engineers working in the field of civil engineering with a remarkable career were invited to speak about their career paths, followed by a networking session. Because of the great success of the event, it was decided that it will become the Montreal Section's main annual event.

For the next year, along with the career forum and monthly conferences, the Montreal Section is planning to get involved with the young professionals by working closely with its four student chapters: Concordia University, École Polytechnique de Montréal, École de technologie supérieure and McGill University.

The **Sherbrooke Section** has not been active over the last several months. We actually are looking for a new chair. Support will be provided the Regional Vice President, and the Sherbrooke University Civil Engineering

Faculty Advisor, to identify a new Chair and rebuild the Section Committee.

Vice-President Quebec Region,  
**Francis Labrecque**, P.Eng., MBA, PMP, LEED AP BD+C, MCSCE

### Ontario Region

The Ontario Region comprises six Sections: National Capital, Durham-Northumberland, Toronto, Hamilton-Niagara, Northwestern Ontario, and London and District. The Ontario Regional Council, with representation from each section, works to promote sharing of best practices, speaker and event information, and to provide a vehicle for representation of Section interests to the CSCE Board. The Council also works to ensure nominations proceed for Ontario CSCE Fellows and various CSCE awards. The Council typically meets by teleconference but also meets in person when feasible, such as at the CSCE Annual Conference.

The **National Capital Section**, chaired by Adrian Munteanu, has seven members on its executive and serves a population of 900,000 in the greater Ottawa area. The Section is closely affiliated with two Student Chapters at Carleton University and the University of Ottawa. In September 2014 Adrian passed the chair's duties to Kevin Alemany

During 2014, the section participated as judges and granted CSCE Prizes at the University of Ottawa Graduate Student Poster Competition, supported the University of Ottawa CSCE Student Chapter speakers' night, and the Carleton University CSCE Student Chapter EngFrosh activities, and also provided prizes and judges for the 2014 Ottawa Regional Science Fair.

The **Durham-Northumberland Section** serves a large geographic area from east of Toronto to Kingston and is chaired by Robbie Larocque. The Section did not organize any events during 2014. New executive members are currently being recruited to assist in coordinating the Section's activities.

The **Toronto Section**, serving the largest number of CSCE members in the province, has had a very successful year in 2014 under the leadership of Nigel Parker. The Section

operates with a team of 12 executive members and is delivering a complete program of lectures, social events and professional development activities.

The Section organizes breakfast and dinner lectures that are of interest to CSCE members, young professional related events, and supports continuing education workshops. Lecture topics included Canada's Infrastructure Report Card, Building Infrastructure through Public-Private Partnership, Mayoral Candidate Transit Plan Discussion. Related to our young professionals, the Section organized a Soft Skills Professional Development Workshop – Influence without Authority/Perceived Leadership and A Young Professional's Survival Guide. The Section is also closely affiliated with two CSCE Student Chapters at Ryerson University and the University of Toronto. The Section offers financial support to the chapters and they reciprocate by hosting some of the evening lectures on campus. The Section organized again this year, the "Get Noticed, Get Hired" panel discussion at Ryerson to brief students and members on what industry hiring managers look for when making hiring decisions. The Toronto Section maintains an active internet and social media presence to communicate news of events and activities to members ( www.csce-toronto.ca ).

The **Hamilton-Niagara Section** serves a very large area with a population of approximately one million people. The Section supports the McMaster University Student Chapter. The Section, chaired by Ben Hunter, did not organize any event in 2014. New executive members are currently being recruited to assist in coordinating the Section's activities.

The **Northwestern Ontario Section** serves an area with a population of 150,000 people and is chaired by Gerry Buckrell. This section was also inactive in 2014. New executive members are currently being recruited to assist in coordinating the Section's activities.

The **London and District Section** is a joint CSCE-CGS (Canadian Geotechnical Society) Section with a representation of professionals, professors and students on a sixteen-person team Executive. The Section had very successful year in 2014 under the leadership of Thomas Mara and the new chair Trisha Wilbur whom took over from Thomas in July

2014.

The Section supports the WSCE (Western Society for Civil Engineering), which is the Student Chapter of CSCE at Western University, through support of a number of student clubs and activities including the annual Western Engineering Concrete Canoe Association (WECCA), and Western Engineering Toboggan Team (WETT). The WETT hosted the 2014 Great Northern Concrete Toboggan Race (GNCTR) and placed as the fourth overall team. The Section hosted 6 dinner presentations in 2014, including Impact of Built Heritage on Engineering Projects, Repair of the Lynn River Lift Bridge in Port Dover, The Impact of Changing Operating Environment on Commercial Wind, and East Bayfront Sanitary Sewer : "Wishing it into Place". The Section also put in additional effort on increasing collaboration with the WSCE and held their first Idea Exchange event where students, professors and industry representatives presented about relevant projects.

The Section maintains an active website (www.csce-cgs-london.org) to inform members of upcoming events and other related news. It also has a twitter account (@csce\_cgs\_london) to provide quicker and easier access to similar information.

The Section is also excited to be hosting the 2016 CSCE Annual Conference in London for the first time since 2000.

Vice-President Ontario Region,  
**Adrian Munteanu**, P.Eng., MCSCE

### **Prairie Region**

The Prairie Region includes the provinces of Manitoba and Saskatchewan. The Region comprises three Sections, Manitoba, South Saskatchewan and Saskatoon. The planning for the 2015 Annual Conference, to be hosted in Regina, has gone well and we anticipate an enjoyable and informative event.

**South Saskatchewan Section**, chaired by Harold Retzlaff, has been moderately active. The Section hosted several technical lunch presentations. The Section successfully hosted a number of events targeted at the young professional in the Regina area. With the encouraging results from the first Popsicle

Stick Bridge Building Competition, the Section, in cooperation with the University of Regina, hosted the second Popsicle Stick Bridge Building Competition.

**Saskatoon Section**, chaired by Karleigh Pihowich, had another busy year in 2014. The Section continues to put on their usual array of Nooner presentations. Continuing with our Networker initiative, a bowling event was held. Response is still good as we try to fine tune the events and also keep it fresh. A number of events were held with the Student Chapter, including a 2nd year Civil Student Meet & Greet. Plans are underway for some informative seminars and Lifelong Learning events.

**Manitoba Section**, chaired by Vaibhav Bantia, has been moderately active. Three breakfast presentations and an AGM in were held in 2014. Attendance at presentations averaged about 26 attendees. The Manitoba CSCE Executive filled the secretary position in 2014. Plans for 2015 include a Lifelong Learning event and a continuation of the breakfast presentations.

Vice-President Prairies Region,  
**Harold Retzlaff**, P. Eng., FCSCE

### **Western Region**

Like every other region, the Western Region works actively with the sections to build and sustain initiatives that are in alignment with the strategic directions and visions of the CSCE National office. Over the last year, the Region has been actively working with the respective sections to promote the three Strategic Directions.

The Chairs of the Western Region Sections are:

Calgary: Kristoffer Karvinen  
Edmonton: Sid Lodewyk  
Vancouver: Stanley Chan  
Vancouver Islands: Kevin Baskin

The Treasurer of the Western Region is  
**Rishi Gupta**.

**SD1: Enhanced Services to Members:** The sections are actively involved in the Civil Engineering community by providing a lot of services to the members. The section hosts

programs that involve projects in the areas and are presented by industry practitioners, These programs include technical programs, tours of infrastructure projects, student activities like poster contests, popsicle bridge contests, scholarship and bursary programs which help to further relationships and connections with other Civil related societies. The Calgary section hosted a panel discussion that was based on the recent floods in Southern Alberta.

**SD2: Growing with Youth:** The sections have been actively taking an interest in youth. Young Professional activities include industry and professional nights, mentor-ship programs, involvement of Technologists and the creation of the student chapter at the University of Victoria. The following are some of the key highlights of the Young Professional movement in Western Region:

#### **Edmonton**

The **YoPro group** as they so proudly call themselves in Edmonton has been moving forward with a lot of initiatives. Among the usual technical events, the group hosted Young Professional Nights, a curling night and the first ever speed mentoring session. These sessions allow young professionals and students connect with the industry and network with them. Matt Liu is the Young Professional Representative on the section committee.

#### **Calgary**

The Calgary section has also been actively involved in engaging the young professionals in the South of Alberta as well. Social media (linkedin & facebook) has played an integral role in bringing together these professionals to various events like technical tours (Saddle dome), pub nights and career focused workshops like the one titled "Navigating Your Career". Hadi Aghahassani and Annie Wang are the Young Professional Representatives on the section committee.

#### **Vancouver**

The Vancouver section has been building up on their activities as they prepare themselves to host the 2017 CSCE Annual Conference. The BCIT CSCE student chapter actively hosts

the Professional Night in February each year. The purpose of this event is to give professionals the opportunity to network and discuss career paths with students. The section supports the BCIT Ice Hockey Intramurals League in addition to supporting students at events like the **Trotsky Bridge building Competition**. Carl Wong is the Young Professional Representative on the section committee.

#### **Vancouver Islands**

Recently formed and with the guidance of Faculty representative, Dr. Rishi Gupta, the University of Victoria's CSCE Student Chapter has gained a lot of momentum in the last year. Some of the key events of the past year include a BBQ Mixer, tour of the Johnson Street bridge, the Popsicle Stick Bridge building competition and the Fresh Minds Symposium which involved giving high school students a quick overview of the civil engineering field. Zachary Bye is the Young Professional Representative on the section committee.

#### **SD3:**

##### **Leadership in Sustainable Infrastructure:**

All the activities that have been initiated within the region have taken this strategic direction into account. Selection of topics for the various technical programs, the Regional Lecture Tour (RLT) and the student activities are in line with this strategic direction. The region hosted RLT on the Glacier Discovery Walk in Jasper National Park and was presented by Dr. Simon Brown from Read Jones Christoffersen.

Although there are significant challenges with respect to an aging workforce, the current economy in the Western region and succession planning within the sections, there is excitement within the Western Region as the Vancouver section works hard towards hosting the CSCE Annual Conference in 2017. The region continues to build synergies among the sections as we move forward in achieving the CSCE's vision and strategic directions.

Vice President Western Region:

**Dinu Philip Alex**

#### **International Region**

The CSCE International Region includes CSCE members and Branches outside of Canada. The duties of the VP-International include developing long-term strategies to increase international membership, maintaining contact with international members, recruiting Institutional Members International (IMIs) or assisting others with IMI recruitment, and working closely with the members of branches to develop technical exchanges.

During their meeting of June 1, 2014, the CSCE Board of Directors adopted a set of Branch Guidelines that specify conditions for Branch formation and operation. Creation of additional Branches will be considered upon receiving a proposal and signed petition from a group of 15 or more individual CSCE members-in-good-standing (excluding students) residing in close proximity in a single foreign country or special administrative region.

A new pamphlet was developed for the recruitment of Institutional Members International (IMIs). With the assistance of members of the CSCE's International Affairs Committee, several foreign institutions joined the CSCE as IMIs. To communicate with CSCE members interested in international aspects of the Society, the LinkedIn Group CSCE international was created. Interested CSCE members are invited to join and contribute to group discussions.

The CSCE Hong Kong Branch (CSCEHKB) remained active during 2014 under the leadership of Branch Chair Kelvin Cheung. Several activities are planned for 2015, including the Branch's 2015 annual dinner in late October. Unfortunately the Branch lost two of its active members, namely branch founder and first Chair Dr. Moe Cheung who died last March and Mr. Law Yue Kei (Ricky) who passed away March 2015. They are truly missed.

CSCE members from Canada contributed to a few CSCEHKB activities. In June, Dr. Bruce Anderson of Queen's University gave a presentation on stormwater management and low-impact development practices to an audience of CSCEHKB members and students at the Hong Kong Polytechnic University, Hong Kong. On October 10, the

CSCE President Elect Tony Bégin, the CSCE Vice-President – Technical Programs Todd Chan and the CSCE VP-International attended the Annual Dinner of the CSCE Hong Kong Branch. During the Dinner, they recognized the recent awarding of CSCE Fellowships to Cheuk Wah Chiu and Bosco Chiu Yin Ng and presented them with their Fellows certificates. The VP-International also remarked on CSCE activities and the President Elect extended best wishes from the CSCE in Canada for the future success of the CSCEHKB. The following day, a five-hour meeting with members of the Branch Executive was held during which the links and relationships between the CSCEHKB and the CSCE in Canada were discussed.

Vice President International Region,  
**Brian Burrell** P.Eng., C. Eng., FCSCE

## Report of the Honorary Treasurer

The foundation of any learned society is its membership and the volunteers who dedicate their time, energy and knowledge to the betterment of humanity. The CSCE has for over 125 years promoted the acquisition and the dissemination of knowledge through the civil engineering profession. Its earliest vision was to convert, adapt, and apply nature's great sources of power for the use and convenience of man. This vision is still true today, with an understanding and an appreciation that our efforts must include a measure of sustainability. One critical step approved by the Board has been to enhance CSCE's financial reporting and obligations as a "not for profit" entity. The fiscal year end will change from September 30th to December 31st. This change will provide more accurate information during the strategic planning cycle of the Society, as well as timely approvals by the Board to meet the Government's requirements on filing yearly financial statements.

The Society has also changed its independent auditors to Collins Barrow. Their report is herein attached, along with the audited financial statements of the period October 1, 2013 to September 30, 2014. In next year's Annual Report we will provide a review of the 3 month periods October 1, 2014 to December 31, 2014 and October 1, 2015 to December 31, 2015. These review statements will provide the basis for our first set of financial statements compliant with the new fiscal year. Next year's Annual Report will provide audited statements and the auditor's report for the period January 1, 2015 to December 31, 2015.

Incorporated in the Independent auditor's report this year is the statement of revenue and expenditure for the Second Century Fund. Please refer to the annual report for more information on this fund. As well, note 10 to the financial statements provide information on the Trustees and Jamieson funds.

The Honorary Treasurer has reviewed several quarterly bank statements related to the operations of the Society and found that the expenditures in the quarters reviewed were fair and reasonable. The operations of the Society continue to be sustainable, yet fluctuations in membership numbers, which constitute nearly half the Society's revenue, must be continually monitored to ensure that the Society's vision is relevant and challenging, especially to recent graduates, who are eager to enlighten their colleagues and the public on the importance of civil engineering in bettering the quality of all our lives.

The head office expenditures continue to be within the expectations set from year to year, notwithstanding minor unforeseen events. New opportunities are being pursued to reduce expenditures while maintaining or enhancing services to the membership. To this end, the head office will be moving to a more prominent downtown location in the near future, with significant savings to annual rent.

After many years of not adjusting travel expenses, the Board has approved increases in accommodation, meals and mileage remuneration, at or below Treasury Board (TB) guidelines. The rates are intended to have semi-annual reviews and adjusted (up or down) based on Board approval in accordance with updated TB guidelines.

Results for the period ending September 30, 2014 were generally positive and there is reason to be cautiously optimistic about financial results for 2015. We are anticipating good financial results this year, for example, in our Life Long Learning program. The primary content for the professional development workshops organized for 2015 by Program Manager Mahmoud Lardjane will be the new Canadian Highway Bridge Design Code. These CHBDC courses are always highly valued by civil engineers.

The Honorary Treasurer would like to thank the Executive director, Mr. Salloum, for his commitment and professionalism, Collins Barrow for their work in producing the CSCE's financial statements, Ms. Patricia Ricci in maintaining the Society's financial records, and Ms. Arkwright and Ms. Kerr in their dedication to the day to day attention of the memberships' needs and to the operational effectiveness of the CSCE. As well, the Honorary Treasurer appreciates of the input and guidance provided by Mr. Peter Wright and Mr. Mike Ircha for the Trustee and Jamieson funds.

Honorary Treasurer, **Glenn Hewus**, MCSCE

# Report of the CSCE Foundation

The CSCE Foundation is a registered charity whose purpose is “to acknowledge contributions of a civil engineering nature made by people for the benefit of society, and to recognize outstanding civil engineering works which have contributed to the development of Canada.” The CSCE Foundation includes the Canadian Society for Civil Engineering Foundation Trustees Fund and the Donald Jamieson Fellowship Fund. Although the Foundation is independent of the Society, its financial statements are included for information in this Annual Report.

For the year 2013 to the end of December 2014, interest and dividend income was \$10,934 and donations received \$20,241, with expenditures on awards, administration and publications totalling \$6,669. As of December 31, 2014, the assets of the CSCE Foundation were \$291,109. These assets were comprised of the Foundation Fund at \$172,071, which includes the History Program Fund at \$4,995; the Shanly Award Fund at \$12,870 and the Foundation General Fund at \$154,206; and the Jamieson Fund at \$119,038. As per an agreement between the trustees and the Society, the CSCE Foundation pays an annual administration fee to the Society equal to the greater of \$1,500 or 0.5 percent of the assets at the end of the financial year.

The Foundation has devised an Investment Policy to clarify transactions and to diversify portfolio assets across various sectors. The portfolio’s return objectives are constructed to earn an average rate of return over a ten-year period and minimize the risk of capital loss. The portfolio’s asset allocation includes: bonds and debentures, 60-70 percent; preferred shares 20-25 percent; equity as common shares or income trusts 10-15 percent; and 0-5 percent cash. The Investment Policy also established portfolio management guidelines. These include: no more than 15 percent of equity in any one security, maintaining diversity across multiple sectors, equity holdings in mid-sized to large dividend paying companies, investment grade bonds and debentures with a maximum time to maturity of 10 years or less, and no more than 15 percent of preferred shares in any one mid-sized to large company. Several investments have subsequently been made in accordance with the Foundation’s Investment Policy.

Members of the Society are urged to consider making donations to the Foundation for which official receipts will be issued for income tax purposes. Members are also encouraged to include bequests to the CSCE Foundation or to a specific award

**Trustees (2014-15):** Michael Ircha, Ottawa, ON  
P. Daniel Burns, Calgary, AB  
Peter Wright, Toronto, ON  
Randy Pickle, Toronto, ON (Chair, Honours and Fellows Committee)  
Glenn Hewus, Ottawa, ON (Honourary Treasurer)

Senior Trustee, CSCE Foundation  
**Michael Ircha**, P.Eng., FCSCE, FEIC

# Report of the Vice-President Technical Programs — Programs Coordinating Committee

*Technical Programs consists of five (5) committees: Engineering Practice, Education and Research, International Affairs, Infrastructure Renewal, Technical Publications, and individual program officers responsible for national lecture tours, and the editorial functions of the Canadian Journal of Civil Engineering (CJCE). Unlike Technical Divisions that deal with technical subjects, Program Committees and the work of Program Officers are intended to be function oriented, i.e., the delivery of a specific service to the CSCE members. This report includes a brief statement of the mandate/goals of a committee and the activities in the past 12 - 15 months of the Technical Programs Committees and Program officers.*

## Engineering Practice Committee (EPC)

The EPC has a threefold mandate:

- monitoring of the state-of-the civil engineering profession,
- promotion of the profession by the development and dissemination of public information, and
- development of CSCE policies and guidelines pertaining to continuing education and professional development.

The EPC carries out planning, review and endorsement of continuing education and professional development programs. Committee members identify potential professional development technical courses that could be offered through the CSCE National Office. EPC also develops, promotes, and periodically reviews information and policies concerning civil engineering practise, and requirements and opportunities for professional development. In this regard, it may liaise with engineering licensing bodies, unions, and government concerning issues affecting professional practice as it affects the well-being of the practising engineer.

### 1. Accomplishments of the EPC in recent months

#### (a) Technical Publications

Published the fall 2014 issue of Canadian Civil Engineer (CCE), Volume 31.4

Theme:

Global Trends in Professional Development

Editor:

Doug Salloum, CSCE Executive Director

Managing Editor:

Cindy Macdonald

Technical Editor:

Bhuwan Devkota, EPC Chair

The following three technical articles were published in the 2014 fall issue of Canadian Civil Engineer (CCE).

Devkota, B., Gupta, R. and Gupta, A. Global Trends in Professional Development for Practising Engineers

Burrell, B. Trends affecting the continuing professional development of civil engineers

Burrell, B. Humanities and Social Sciences: Important to the Professional Development of Civil Engineers

#### (b) EPC Committee Operations

CSCE web page has been updated, in coordination and with the support of National Office, with information on EPC members, and committee roles and responsibilities.

### 2. Planned Activities for the remainder of 2015

#### (a) Technical Delivery Activities

Engineering Practice Committee – International Affairs Committee (IAC) Task Force on Globalization

EPC will be working with IAC on Task Force on Globalization with following tasks:

- preparation of a discussion paper for submission to CSCE committees on what activities can be done to improve the competitiveness of Canadian Civil Engineers,
- development for CSCE members of a backgrounder fact sheet or web-based content on international mobility agreements,
- contributing one or two papers to the CSCE future Annual Conferences,
- working on an issue (Fall 2014) of Canadian Civil Engineer on the theme “Global Trends in Engineering Professional Development” (Accomplished), and

- exploring means to help Canadian Civil Engineers to acquire international work experience.

(b) Contribution to CSCE’s Vision 2020 Strategic Directions

Enhanced services to members: EPC will contribute to CSCE services and benefits to members in areas of civil engineering through continuing education and professional development programs.

Growing with youth: EPC will contribute to CSCE programs and benefits targeted to support students and young professionals through professional development programs.

Leadership in sustainable infrastructure: EPC will contribute to CSCE programs that will influence planning, design, construction and maintenance of public infrastructure in Canada.

#### (c) General

Efforts are being made to appoint more members into the committee to increase the capability of the EPC to undertake ongoing projects and new initiatives. CSCE members are invited to join the Engineering Practice Committee.

## Education and Research Committee (ERC)

The mandate of the Education and Research Committee (ERC) is development, promotion, and advocacy of issues related to national education strategies and engineering research.

The goals of the ERC are as follows:

- 1) To develop a close working relationship between Civil Engineering academic community and Canadian construction industry in understanding the research and training needs of the industry and their demand on university education;
- 2) To develop a strategy and/or a mechanism of facilitating the collaborations between Canadian universities and construction industry in establishing joint training programs and research projects to fulfill the needs of both communities;
- 3) To work closely with CSCE Civil Engineering Heads of Department Committee contributing to the improvement of Civil Engineering curriculum, course contents as well as strategic teaching and research

directions based on the industry needs and requirements; and

4) To support community driven programs in the area of engineering education and research, such as parental group's concern and interest in engineering education and research for their children, environmental group's interest in promoting sustainable development, etc.

In the past 12 months, a few new members have joined the ERC; however, recruiting new members from the academia and the industry and construction fields remains one of the priorities for the 2014-2015 work plans as well. The committee consists now of a total of 16 members, however, some of the current members should renew their memberships.

Several invitations were sent for authors interested in contributing to the 2016 spring issue of the CSCE Canadian Civil Engineer (CCE) magazine, however, no final confirmation was yet received.

The data for the Civil Engineering Statistics to be presented at the Department Heads and Chairs Annual meeting in Regina is currently under collection.

A draft of the working plan and the objectives for 2015-2016 has been sent to ERC members for review and comments. Additional tasks will be discussed and added during the in-person meeting which will be held on 29 May 2015, during the 2015 CSCE Annual Conference.

#### Work plan for 2015

The main tasks for this year are to recruit active members and to establish a solid, proactive committee with a balanced representation from both the academic and industry sectors and to develop the draft of a survey on the research needs and one on the construction/industry needs. This year's work plan will keep the same focus on the following 4 specific areas: 1) to establish an active Education and Research Committee with members from both the academic, construction and research communities; 2) to confirm CSCE Education and Research Committee mandate and finalize the committee objectives; 3) to develop a close working relationship with the CSCE Civil Engineering Heads of Department Committee; and 4) to conduct a survey and develop a draft of the research needs for construction industry and new emerging areas for university teaching needs.

### **International Affairs Committee (IAC)**

#### Overview

The IAC is generally mandated to plan and carry-out CSCE's international activities and to undertake its international development projects. IAC's mission is to interact with foreign organizations to foster relations that will lead to joint meetings, conferences, other professional events and work projects for CSCE members and foreign organizations or clientele. IAC's mandate extends to promoting CSCE in foreign countries. It is responsible for development, implementation and promotion of agreements of cooperation with foreign and international engineering bodies. IAC assists other arms of the CSCE with respect to hosting and protocol associated with visiting foreign delegates from engineering societies.

IAC's mandate, however, excludes the operations of foreign branches of the CSCE (e.g., the Hong Kong Branch) and international / foreign conference sponsorship handled directly by Technical Divisions or the national office.

Current number of active members: 12 (plus one pro forma member)

Our web page is regularly updated to reflect the activities of the group.

#### Activities

##### Bahamas and the Caribbean

In February, 2014 David Pratt met with civil engineering organizations in Jamaica and the Bahamas. The outcome of these meetings was to set a plan for a joint symposium with BSE on "The Role of Public Private Partnerships in the Effective Delivery of Infrastructure Projects". The event took place as part of the BSE Annual Conference in Nassau, Bahamas in November, 2014. Arrangements for a secondment to Canada for a civil engineer from the Ministry of Works and Transport for a period of 6 months to a year were also made. As well, a posting for a Canadian civil engineer to the Bahamas was also being discussed. Neither of these exchanges involves any financial risk to CSCE.

David is now involved with the follow-up conference to be organized by Jamaica Institution of Engineers, the Bahamas Society of Engineers and CSCE (at no financial risk) in September 21- 23, 2015.

##### China

##### 3rd International Conference on Transportation Information and Safety (ICTIS 2015)

Ming Zhong, special envoy to China (transportation) and Andrew Liu liaise with Wuhan University of Technology. Wuhan University of Technology will host the 3rd International Conference on Transportation Information and Safety (ICTIS 2015) June 25-28, 2015 in Wuhan China. Through the efforts of Ming and Andrew, CSCE has been a partner in previous conferences in this series and they are coordinating the involvement of CSCE in the 2015 event.

Andrew Liu also liaises with the China Highway and Transportation Society (CHTS) in preparing the International Winter Transportation Symposium 2016.

##### Water Resources Conference Co-organized with the Chinese Hydraulic Engineering Society

An international water management conference scheduled for October, 2014 was in the process of organization with Tianjin University and the Chinese Hydraulic Engineering Society (CHES). Ron Droste chaired the CSCE contingent on the general organizing committee; other CSCE committee members were Todd Chan, Jeanne Huang, Brian Burrell and Van-Thanh-Van Nguyen. Mike Bender also provided some assistance. In February, 2014 the conference was postponed to 2015 by decision of the CSCE general organizing committee and CHES due to an insufficient number of abstract submissions.

In the fall of 2014 the participation of CSCE was again changed to organizing a one-day workshop on water security at the CHES conference to be held at Hohai University in Nanjing on the occasion of Hohai's 100th anniversary. Jeanne Huang, special envoy to China (water), was primarily responsible for coordinating CSCE role in the revised 2015 conference. Fifteen people, primarily CSCE members, have been invited to participate in the workshop.

##### China's State Administration of Foreign Experts Affairs Workshop

Through efforts reported in previous IAC annual reports, CSCE was selected to provide a contingent of people to participate in a water quality workshop organized by the State Administration of Foreign Experts Affairs (SAFEA) held in May, 2014. SAFEA covered costs of this multi-disciplinary, multi-workshop event which has historically only been offered to US participants.

Todd Chan was primarily responsible for this



initiative and he headed the CSCE delegation. An open process was conducted to select 7 CSCE members who would form the CSCE team. Bruce Anderson, Ron Droste, Christos Katopodis, Ed McBean, Slobodan Simonovic, Van-Thanh-Van Nguyen, and Fayi Zhou were selected as CSCE members based on their (anonymous) abstract submissions and reviews by a third-party committee. Jeanne Huang, CSCE special envoy to China (water), was also involved in this initiative and she also participated in the workshop.

Todd Chan and Ron Droste attended meetings in February, 2014 to discuss the May 2014 workshops with SAFEA and other participating groups. The water workshop was held in Suzhou from May 25-28, 2014.

Following this workshop, Bruce Anderson visited Hong Kong for a few days at the invitation of the HK branch of CSCE. The visit was arranged with the help of Todd Chan, and Kelvin Cheung was the host. During the visit, Bruce gave a presentation on stormwater management and low impact development principles and practices to an audience of branch members, local university students and practising engineers. At the dinner afterward, discussions were held regarding continuing to build the links and relationships between the HK branch and members of CSCE in Canada.

#### China Civil Engineering Society

Todd Chan, Jeanne Huang and Ghani Razaqpur (Past CSCE president) met with the China Civil Engineering Society in Oct 2014 to review CSCE work in China and explore

other collaboration.

These three also met with the International Cooperation department at Tsinghua university, Canadian embassy, CHTS, CHES, SAFEA, and Beijing Normal University to promote CSCE and explore opportunities for our membership.

Todd and Jeanne met with China Association for International Exchange of Personnel (CAIEP), part of SAFEA. The most significant development was that CAIEP and SAFEA would pave the way for CSCE to be involved in the 2016 SAFEA workshop (the 2014 workshop is reported elsewhere in this report). It was suggested that CSCE be invited to organize two sessions in the 2016 exercise.

#### Iran

An MOU was signed with Iranian Society for Civil Engineering in 2014.

#### IAC History

Through the efforts of Kirk Thompson, Todd Chan, and Ron Droste a chronology of CSCE through IAC involvement in foreign activities is in preparation. Anyone with information is invited to submit their anecdotes to the IAC chair.

#### **Infrastructure Renewal Committee (IRC)**

The role of IRC is to provide leadership to the CSCE through project activities in the broad field of infrastructure renewal. These activities continue to reinforce CSCE's profile as an integral part of the infrastructure community across Canada. The IRC also acts as a national voice of the CSCE with respect

to infrastructure policies through interactions with other national groups and the federal government.

Throughout 2014 the activities of the Infrastructure Renewal Committee (IRC) focused on providing a strong CSCE presence in the Canadian Infrastructure Report Card initiative and in promoting the CSCE strategic direction of Leadership in Sustainable Infrastructure.

#### Canadian Infrastructure Report Card (CIRC)

CSCE is a partner in the CIRC initiative along with the Canadian Construction Association, Canadian Public Works Association and the Federation of Canadian Municipalities. In 2014 the survey to collect information to support the second iteration of the CIRC was sent to municipalities. The CIRC project team is currently in the process of analyzing the responses and developing the report. The final report is expected to be released in the fall of 2015.

#### Promoting Sustainable Infrastructure

The IRC promoted the ideas and concepts around sustainable infrastructure in two areas:

- Soliciting content for the Sustainable Infrastructure column of CIVIL. The contributions from 2014 continued to demonstrate that this is a topic that is very relevant for our industry.
- Working with our industry partners to discuss the concept of supporting a formal sustainable infrastructure rating system in Canada.

## CSCE Second Century Fund

In early 1987, CSCE established the Second Century Fund for the purpose of ensuring the continuity and growth of the Society. The fundraising campaign took place under the Honorary Chairmanship of Camille Dagenais, then CEO of SNC and the Chairmanship of John Bahen, then President of Peter Kiewit Sons Co. Ltd. of Toronto.

The function of the Fund is to provide seed money for conferences and lecture tours; funds for publishing and marketing contracts; funds for the development of new divisions; and funds to inform the engineering community of all of the above.

The Fund will ensure the continued development of dynamic technical activities and world-class publications. Borrowing from the Fund is limited to 50% of the accumulated revenue in the previous year for non-revenue generating activities and is at competitive interest rates for revenue generating activities. Funding is accessed through a proposal to the Board of Directors. The Fund is administered by a committee of three trustees. The current trustees are: Glenn Hewus, MCSCE, Ottawa; Alan Perks, FCSCE, Ottawa; and Chris Thompson, FCSCE, Brampton.

#### **Founding Sponsors**

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Throughout 2015, the IRC will continue to work to advance the CSCE's three Strategic Directions as documented in the 2015 work plan. Several of the initiatives that are planned have synergies amongst all three of the strategic directions, as documented in the following summary of the 2015 IRC work plan:

Strategic Direction 1: enhanced services to members

- o Develop a position paper on Sustainable Infrastructure
- o Solicit content for Canadian Civil Engineer (CCE) magazine's Sustainable Infrastructure Column
- o Provide social media content related to promoting CSCE's involvement with the 2015 Canadian Infrastructure Report Card

Strategic Direction 2: growing with youth

- o Provide social media content related to promoting CSCE's involvement with the 2015 Canadian Infrastructure Report Card
- o Demonstrating CSCE's commitment to sustainable infrastructure
- o Develop a position paper on Sustainable Infrastructure

Strategic Direction 3: leadership in sustainable infrastructure

- o Solicit content for CCE magazine's Sustainable Infrastructure Column
- o Develop a position paper on Sustainable Infrastructure
- o Supporting CSCE role with the Canadian Infrastructure Report Card

#### **Technical Publications Committee (TPC)**

This is a new committee that was established during the past year. Members were recruited from academia and industry. The goal of the CSCE Technical Publications Committee (TPC) is to improve the technical content and publications available to CSCE members as a membership benefit and is in line with Strategic Direction #1. A secondary goal is to make research more accessible to the general public. A committee Terms of Reference and Work Plan through to December 2015 was developed. Two work groups were initiated:

the first to develop a survey to elicit member input; and the second to review options for the promulgation, indexing, citation and sale of existing CSCE publications including conference proceedings. The survey will be sent out to the membership in early 2015. The input from these two groups will be used by the TPC in 2015 to develop a Technical Publications Strategy for the CSCE that will include direction on the following:

- promulgation, indexing, citation and sale of existing CSCE publications including conference proceedings;
- facilitating the sharing of academic research with members and industry;
- identification of potential new CSCE position/white papers, technical publications/content (books, monographs, videos, technical webinars); and
- identification of possible publications of foreign engineering bodies (primarily European and Asian) to facilitate access to CSCE members.

#### **National Lecture Tour (NLT) Coordinator**

The National Lecture Tour Coordinator works with the Technical Divisions in identifying potential speakers for the CSCE series of National Lecture Tours (NLTs), and then assists the National Office with the coordination of lecture delivery at selected venues across Canada.

National Lecture Tours (NLT's) are a vehicle for sharing technical information of interest to civil engineers with CSCE members across Canada. These have been in the form of a lunch or dinner lecture presented to Section Meetings. The topics are selected in consultation with Sections regarding interests and Technical Divisions and other expert groups regarding available speakers. National Lecture tours consume considerable resources of time and money. Supplemental web-based delivery models are being studied to allow expansion of content delivery in an affordable and convenient manner. NLT's align directly with Strategic Direction 1 – Enhanced Services to Members. Expanding delivery to use web-based sharing and ensuring that Student Chapters have an opportunity to participate when NLTs' travel across the country, provides services aligned with

Strategic Direction 2 – Growing with Youth. Strategic Direction 3 – Leadership in Sustainable Infrastructure can be supported when NLT topics are chosen. The National Lecture Tour Coordinator is tasked with leading the consultation and selection of NLT topics and works assists the National Office with the coordination of lecture delivery at selected venues across Canada. Members are encouraged to contact the NLT Coordinator, James Garland, or CSCE National Office to provide suggestions for topics and speakers.

#### **The Canadian Journal for Civil Engineering (CJCE)**

The CJCE is the official journal of the CSCE and has been published since 1974. The CJCE is published by Canadian Science Publishing, a not-for-profit company. CSCE members may subscribe to the electronic and print version of the CJCE at rates that are substantially less than non-member subscription rates. The CJCE attracts over 500 manuscripts per year, of which approximately two-thirds are not accepted for publication.

In the past year, Dr. Tarek Sayed's term as Editor of the CJCE ended, though he has kindly agreed to stay on to oversee the review of manuscripts that he has been assigned. We are delighted that Dr. Nihar Biswas of the University of Windsor, a long-time Associate Editor of the CJCE, has agreed serve as Editor, with Dr. Mike Bartlett, for a five-year term starting 01 October 2014.

The Editors would like to acknowledge and thank the tremendous support from the Associate Editors and reviewers whose work is essential to maintain the high quality of the Journal. Support from staff at Canadian Science Publishing, particularly Donna Hartson, the Editorial Assistant, is also gratefully acknowledged.

#### **Concluding Remarks**

There are many opportunities for CSCE members to participate in the above technical programs committees and working groups to make our Society a world-class engineering learned society. Please contact the committee chairs if you are interested in volunteering your time to serve the general membership. During 2014 – 2015, we continue to look for CSCE volunteers to serve our committees. Particularly, the Engineering Practice

Committee (EPC) is looking for many more members and you are encouraged to contact the Chair of the EPC to learn more details about their activities.

As the CSCE VP – Technical Programs, I would take this opportunity to sincerely thank the members of the five program committees and the program officers for their service to our Society. I also thank the CSCE National office staff for their continued support to our committees and to the CSCE members who offer occasional support with respect to program delivery at the Section or Branch level.

VP – Technical Programs,  
**Todd Chan**, Ph.D., P. Eng., FCSCE

# Report of the Vice President, Technical Divisions & Committees - Programs Coordinating Committee

I am now completing my term as VP Technical Divisions and Committees. I have enjoyed working with the dedicated Chairs of the Technical Divisions and Committees. Their work at the grass roots level has been inspiring. It has also been a pleasure to work as co-Chair of the Programs Coordinating Committee with VPs Brian Burrell and Todd Chan and the Chairs of the Technical Programs. Finally, I thank the Society's Board of Directors and its Executive Director for their camaraderie and support.

The Technical Divisions and Committees comprise 7 Technical Divisions and 3 Technical Committees. Technical Divisions represent the main sub-disciplines of civil engineering. While CSCE members belong to one region and section according to their geographic location, they may select to be part of several Divisions. Technical Committees, on the other hand, are smaller and deal with multi-division subjects. CSCE members may but are not required to belong to one or more technical committees.

## Activities of PCC

One of our mandates this past year was to ensure that the efforts of our divisions and committees contribute toward the three Strategic Directions outlined in CSCE's Vision 2020. Those three directions are:

- Enhanced member services - CSCE will provide more services and benefits to members within all areas of civil engineering activity
- Growing with youth - CSCE will develop programs and benefits to support students and young professionals, targeted to their specific career development needs
- Leadership in sustainable infrastructure - CSCE will influence how public infrastructure in Canada is planned, designed, constructed and maintained

PCC continues to support the special issue themes of the Canadian Civil Engineer magazine. Other matters under discussion

by PCC include:

- Enhancing CSCE membership benefits by exploring ways in which the Society can help members promote their authorship of technical reports, books, monographs and manuals.
- Examining the impacts of stand-alone specialty conferences and ways in which we can enhance the conferences for a stronger Society as a whole.

A brief summary of the activities of each Technical Division and Committee follows.

Vice-President, Technical Divisions and Committees, **Brenda McCabe**

## Construction Division

During 2014, the Construction Division has been fully engaged in planning the upcoming International Construction Specialty Conference 2015, which will be held in Vancouver at University of British Columbia, June 7-10, 2015. The stand alone specialty conference is co-Chaired by Drs. Thomas Froese, Farnaz Sadeghpour, and Dana Vanier. The Construction Division has partnered with their American and European counterparts, CRC and ARCOM respectively, for the organization of this conference. The Division expects over 200 papers from national and international researchers and practitioners, with four keynote addresses from prominent national and international experts from Canada, US and England. Several pre-conference workshops are being offered for the first time as well.

An Industry Innovations Symposium featuring presentations on emerging trends and technologies in sustainable buildings and infrastructure is organized as part of the Construction Specialty Conference to showcase the perspective of leaders in industry and academia in a TED-style format, followed by a panel discussion. The objective of this symposium is to promote and facilitate collaboration between industry and academia to drive innovation in the construction industry.

The Construction Division is also holding its 4th Canadian Graduate Student Colloquium in Construction in conjunction with the Construction Specialty Conference on June 6th and 7th 2015, immediately prior to the conference. The objective of this colloquium is to create network opportunities among graduate students in construction from various universities across the world, to get exposed to soft and hard skill trainings related to their academic career, and to provide an opportunity to gain familiarity with similar research that is conducted by their counterparts in other universities. The colloquium will include a keynote address, a soft skill workshop (this year: research team building workshop with LEGO® SERIOUS PLAY™), a hard skill workshop (this year: technical writing and publishing in Construction related journals), and a social event on the first day, followed by the research poster session and competition on the second day. Posters will be judged by practitioners from the Construction Industry. The top three posters will receive recognition certificates and will be announced on the conference awards ceremony. Posters will remain on site during the conference to allow wider exposure to conference delegates.

The Division will be working on the fall 2015 issue of the Canadian Civil Engineer. This issue will be based on the first stand-alone Construction Specialty Conference.

Chair Construction Division,  
**Farnaz Sadeghpour**

## Engineering Mechanics/Materials Division (EMM)

During the 2014 calendar year, the Engineering Mechanics and Materials Division (EMM) participated in the following activities.

- EMM Division held its annual meeting on May 28, 2014 at the CSCE annual conference in Halifax to discuss ongoing and future activities of the division.
- EMM Division and Innovation and IT (IIT) Committee co-sponsored

(non-financial) the Engineering Mechanics Institute (EMI) Conference, which was held at McMaster University from August 5-8, 2014. At this conference, the EMM and ITT jointly organized a special session on Engineering Mechanics and Innovation.

- During this year, the EMM Division participated in the organization of the 4th International Engineering Mechanics and Materials Specialty Conference to be held in conjunction with the CSCE annual conference in Regina from May 27-30, 2015. This included the development of topics to be included in and a short address of the content of the specialty conference.
- EMM nominated division members to serve on the EMM awards committee. Their main task was to review applications for the Horst Leipholtz Medal and to provide a recommendation for the award to the Honours and Fellowships Committee of CSCE.

EMM Division Chair, **Dan Palermo**

#### **Environmental Division (ED)**

The EE Division, in coordination with the local chapter, hosted the 13th International Environmental Specialty Conference in Halifax in June 2014. The Chair of the EE Division along with a local committee chair both had equal responsibility in making sure the technical conference went smoothly. There were about 80 abstracts submitted and a similar number of papers were submitted. All papers were reviewed and feedback to the authors was provided. The conference hosted papers on a variety of environmental topics including solid/hazardous waste, air/water/land remediation, climate change and sustainability issues as well as green technology. Overall the conference was deemed a success and we look forward to the next specialty conference in 2016.

A division meeting was held in Halifax to decide on a national lecture tour and a regional lecture tour by members of the EE Division. The recommended names were forwarded to the PCC, after the conference.

A special environmental issue of the Canadian Civil Engineer was published.

The special issue was dedicated to “Emerging Contaminants in Water”. Three publications highlighting different issues – one on municipal waters, one on industrial waters, and another a biologist’s perspective to emerging contaminants in water were included.

At the Regina conference, papers pertaining to environmental engineering will be presented as part of the general conference. There has been a significant number of papers submitted, which were all reviewed and resubmitted. We look forward to meeting our colleagues in the conference.

Overall, the environmental engineering division has been active in pursuing its mandate and look forward to increased participation from its members in division activities.

Environmental Division Chair,  
**Gopal Achari**

#### **Hydrotechnical Division**

The CSCE Hydrotechnical Division provided support for several conferences this past year, most of which are international. The focus, however, was to organize the stand-alone Hydrotechnical Division conference in Montreal (April 29 to May 2, 2015) led by Van Thanh Van Nguyen, and to provide support for the CSCE Annual conference in Regina (Prof. Jin Yee-Chung). In 2014, the Division also published a summary article in the Civil magazine to document the results of our last Division conference in Banff (May 2013), led by Kerry Mazurek.

The Hydrotechnical Engineering (student) Award continues to be an important activity for the Division. Golder Associates is a long-term stable partner for this award, and have sponsored the award for 10 years now. The award is currently administered by Adam Auckland.

We welcomed two new members to the Hydrotechnical Division Council in 2014, and are working to expand and renew the council with new talent. The Council is currently comprised of the following: Michael Bender (Chair), Ioan Nistor, Arbind Mainali, Slobodan Simonovic, Kerry Mazurek, Jin Yee-Chung, Hans Arisz,

Andrew Binns, Andrew Wood, Shawn Clark, and Van Thanh Van Nguyen.

Hydrotechnical Division Chair,  
**Mike Bender**

#### **Structures Division**

Dr. Khaled Sennah started his term as a chair of the Structures division on June 11, 2010, and finished his term in June 2014. Adel R. Zaki has been elected as the new Division Chair. The Division had its annual meeting in Montreal, Quebec, on Wednesday, May 29, 2014.

The Division had the following activities in 2014:

1- The 9th International Conference on Short and Medium Span Bridges, SMSB-IX, took place on July 15-18, 2014, at the Hyatt Regency Hotel, Calgary, Alberta. The conference was organized in partnership of the University of Calgary, the City of Calgary, and Alberta Transportation. The conference program included a daily plenary sessions, featuring keynote lectures delivered by six world leaders in the field. It was followed by technical and specialty sessions to meet the diverse interest of attendees. Over 250 papers from 25 countries were presented at the conference. Adel R. Zaki, Chair of Structure division, presented a short course on Accelerated Bridge Construction in conjunction with the conference.

2- The Division was involved in the organization of the 4rd International Structural Specialty Conference, ISCC-IV, held in conjunction with the CSCE Annual Conference in Halifax in June 2014.

3- The Division was involved in reviewing 57 technical papers for the upcoming CSCE 2015 Regina Conference.

4- The 7th International Conference on Advanced Composite Materials in Bridges and Structures, ACMBS-VII, is planned to be held in Vancouver in August 2016 with Co-Chairs: Nemy Banthia and Raafat El-Hacha. A notification in this regard was submitted to the PCC.

Structures Division Chair, Adel R. Zaki

## Transportation Division

### Summary of Activities in 2014-15

CSCE 2014/2015 Conference, Transportation Specialty Conference

1. The Transportation Division successfully hosted CSCE 2014 Transportation Specialty Conference in Halifax, parallel with the parent CSCE Annual Meeting. The co-chairs of the Specialty Conference Tony Qiu and Christopher Davis contributed a lot of their time and efforts into this speciality conference.

2. CSCE Transportation Division has been helping review papers submitted to 2015 CSCE Annual Meeting in Regina.

3. CSCE Transportation Division has co-sponsored the Western Canada Connected Vehicle (CV) workshop which is co-organized by the Centre for Smart Transportation at University of Alberta and Intelligent Transportation Systems (ITS) Society of Canada. Over 90 people attended the workshop at the University of Alberta on 2015 April 14th, including academics, industry professionals and members of government. Participants engaged in conversations about CV technology and its applications, as well as toured the ACTIVE Lab and participated in a field demonstration. This workshop has helped to improve the awareness of CSCE's involvement in innovation.

### Other Activities at Home

1. CSCE Transportation Division actively participated in nomination of CSCE Fellows and two names were put forward for consideration in last fall.

### International Activity

1. CSCE Transportation Division has been very active in jointly organizing the following conferences with our partners in China:

a. 2015 International Conference on Transportation Information and Safety (with Wuhan University of Technology)

b. 2015 International Highway Technology Summit (with China Highway Transportation Society)

### Meeting strategic plan

1. CSCE Transportation Division actively participate in TAC Committees and task forces (e.g., Dr. Susan Tighe serves as CSCE's Representative on TAC's Chief

Engineers Council; Dr. Said Easa newly serves as CSCE's Representative on the Steering Committee for updating TAC Geometric Design Guide for Canadian Roads; and Dr. Andrew Liu and Ming Zhong serve on Urban Transportation Council). All these efforts are believed to contribute to CSCE's leadership in sustainable transportation and infrastructure.

Transportation Division Chair, Tony Qiu

## Cold Regions Division

No report

Cold Regions Division Chair, **Dan Smith**

## Sustainable Development Committee (SDC)

The Sustainable Development Committee (SDC) continues to examine issues related to civil engineering and sustainable engineering practices, approaches, and related policies. Because sustainability is evolving within our profession, the committee is evaluating its role within the Society. The SDC is also establishing collaborative initiatives with the Renewal Infrastructure Committee because of the broad scale applicability and relevance of sustainability across multiple disciplines within Civil Engineering. It is expected that this evolution will continue to be refined in the coming year.

Sustainable Development Committee Chair, **Dr. Edwin Tam**

## Innovation and IT Committee (IIT)

This Committee is responsible for the administration of two awards: the Whitman Wright Award for Excellence in IT in Civil Engineering, and the Excellence in Innovation in Civil Engineering Award (sponsored by CANAM Group). There is an Award Selection Committee for each of the two Awards. Recipients for the two Awards for 2015 will be announced at the CSCE 2015 Annual Conference in Regina.

In October 2014, Committee member George Akhras made a presentation on 'Technologies intelligentes et monitoring de la santé des structures' at Université Laval, which was organized by CSCE Quebec Regional Office. IIT continues to work with NLT (National Lecture Tour) coordinator

on an IIT recommended NLT on the same topic.

After a very successful visit and presentation on structural health monitoring and smart materials/technologies at CSCE Hong Kong Branch by Committee member George Akhras in December 2013, discussions are ongoing to establish collaboration between the CSCE Hong Kong Branch and the Centre for Smart Materials and Structures and IIT Committee in Canada.

The Committee, together with the Engineering Mechanics and Materials (EMM) Division, co-sponsored the ASCE Engineering Mechanics Institute Annual Conference, which was held at McMaster University in Hamilton in August 2014. The Committee and the EMM Division also organized a mini-symposium on Engineering Mechanics and Innovation for the conference.

IIT Committee Chair, **Simon Foo**

## Engineering Management Committee (EM)

The Engineering Management Committee was created in June 2014 to recognize and support the strong role that engineering management has in the career path of civil engineers. The role of the EM Committee is to:

- engage civil engineers who have migrated into management roles;
- provide opportunities for the membership to share management experiences, best practices, and current research, such as special conference tracks, regional seminars, and National Lecture Tours; and,
- introduce activities that create awareness and promote engineering management within the Society

An invitation for interested CSCE members to join the EMC has been emailed to all members.

A special issue of the Canadian Civil Engineer in May 2015 will be featuring articles showcasing the role of Engineering Management in practice and research.

Engineering Management Committee Chair, **Constantine Katsanis**

# Report of the Administration Coordinating Committee

*The Administration Coordinating Committee (ACC) consists of ten national non-technical committees responsible for the services and activities of the Society in the areas of finance, communications and membership. Representation on ACC is provided by the chairs of the committees listed below. The various committees are given the opportunity to exchange ideas and to discuss Societal and committee issues of mutual concern through the work of ACC. The ACC presents the recommendations and reports of the committees to the Board of Directors on behalf of the committees.*

The role of the VP ACC is largely one of coordinating the interaction between the Committee's Chairs, providing guidance on an as-needed basis, and liaising with the Board of Directors in respect of the Committee's work.

Vice President Administration Coordinating Committee, **Arbind Mainali**

## **Business Development Committee**

The committee has only three members as Gaston Doiron has decided to resign. Ideally, the committee should have representation from many sectors of the industry; owner organization, consulting engineering firms, contractors, material suppliers, engineering associations, and universities to target the full spectrum of the industry.

With the current downturn in the economy, marketing CSCE to increase number of its corporate members is challenging; however as a follow up on one of the initiatives from the Nov 2014 meeting, the committee is active in reaching out to current corporate members to see if they are happy with their membership and to propose an upgrade of their membership level. Based on feedback received from colleagues during local CSCE events it was realized that focusing on the society's mission and finding common concerns and goals was an attractive way for approaching corporations as the benefits provided to corporate members need to be revisited.

The committee plans to target government organizations (starting at the municipal level), engineering associations, and few

contractors over the next year; however help is needed to create awareness and market corporate membership indirectly, for example, by recognizing:

- Corporate members in local section activities
- Corporate members during conferences (maybe in a lesser manner than that for local sponsors)
- Major and partner corporate members during media events or in report cards like the one on infrastructure
- Long term (5 year) major and partner members with plaques and affiliate members with certificates. The plaques can be presented during the annual conference and the certificates can be mailed after the annual conference.

The committee is also seeking to work with the awards committee on new awards for projects in the different civil engineering sectors based on project construction value and with the technical committee chairs to seek ways to involve corporate members with academia. This can be through keeping the members informed of current research activities as well as academia to solicit input into course contents. Also encourage inviting corporate member guests to guest lecture or seminar series that are offered by Universities.

Even though the committee's mandate is to keep current corporate members and increase their number. This can be achieved by collaboration with other committees to identify opportunities. The committee's short-term goals are to start dialogue with the awards, and one or two of the technical committee chairs and to increase number

of its members.

Chair Business Development Committee,  
**Gamal Ghoneim**

## **Communications Committee**

No Report

Chair Communications Committee,  
**Mike Hnatiuk**

## **National History Committee**

The National History Committee continues to hold regular teleconferences. We currently have membership from Vancouver Island to the Maritimes, although we are lacking membership in some parts of the country.

Three sites were designated as National Engineering Historic Sites as part of the annual conference in Halifax. These sites were the Halifax Graving Dock, the Angus L. Macdonald Bridge and the Robie Street Reservoir. The designation of the sites was well received. In late 2013 we also designated the Acadian Aboiteau in New Brunswick as a National Engineering Historic Site. The dedication ceremony for this site will take place in 2015.

At the Halifax Conference we had the first meeting with the Regina LOC. Following that meeting we received a nomination for the Regina Power Generating Station. This site was approved by the committee as a Regional Engineering Historic Site in late 2014.

Unfortunately there was no History Session at the Halifax conference, and the same situation appears to be shaping up for Regina. This trend has concerned the committee as the History Sessions are popular when held and are a good way of educating and informing our membership of the history of our profession. In order to encourage both professional and amateur historians in presenting papers on the history of Civil Engineering the committee has proposed providing a discounted

attendance fee for those making history presentations whom are uninterested in attending the rest of the conference and who may find the high cost of registration a barrier to attending the conference.

Chair National History Committee,  
**W.C. (Cal) Sexsmith**

### **Honours and Fellowships Committee**

The Honours and Fellowships Committee is responsible for the review and processing of nomination packages for the recognition of eligible members of the Society for Fellowships in the CSCE and through various selection committees, that report directly to the Honours and Fellowships Committee, identify the recipients of up to nine career awards, two organizational awards, two student scholarships and five 'best paper' awards. The Honours and Fellowships Committee is also responsible for organizing and conducting the awards ceremony at the CSCE Annual Conference.

New medals for the Thomas C. Keefer and the Casimir Gzowski awards were struck identifying the medals as being CSCE awards. The categories for papers to be considered for each award were also identified and this information has been included on the obverse of the respective medal. The new medals were awarded at the 2014 awards ceremony in Halifax, NS.

The Honours and Fellowships Committee dealt with two issues with respect to nominations for the 2015 awards. In the first case it was quite evident that the respect for submission of nominations in strict confidence was disregarded. The Committee acted by prohibiting the nomination from going forward for consideration. In the second case, information arose at a late stage of the nomination process which led to a repeal of the Selection Committee recommendation; We regret a nomination reached this point in the nomination process, but we continue to set very high standards.

At the 2015 Awards for Engineering Excellence Gala, in Regina, SK, in May, 2015, 15 members of CSCE will be awarded the status of Fellow, the winners of four Best Paper Awards will be

announced, five members will be recognized for contributions to CSCE and/or the profession and the winners of the CSCE project awards for government leadership in sustainable infrastructure and for innovation will be announced.

The Honours and Fellowships Committee is also responsible for a high level review of the nominations for Fellowships and other awards of the Engineering Institute of Canada. At the EIC awards dinner in Montreal in May, 2015, three members of CSCE will be awarded Fellowships and one member will be presented with the K. Y. Lo Medal for significant contributions at the international level.

Chair Honours and Fellowships Committee,  
**Randy Pickle**

### **Member Services Committee**

No Report

Chair Member Services Committee,  
**Peter Calcetas**

### **Student Affairs Committee**

The Student Affairs Committee had an eventful year with many new initiatives. The Committee continued to strengthen communications with student chapters across the country. Our student chapters were inspired and were engaged in many exciting social events, professional talks and tour activities, and smart fundraising and member recruitment activities. Two objectives were pursued, namely: 1. to make available to Student Chapters usable resources for conducting chapter activities; and 2. instilling in Student Chapters a sense of belonging to the Society.

A number of initiatives from 2013 were strengthened and new initiatives developed in the past year, some of which are listed below:

- Communication with Student Chapters – The Committee continued to strengthen communication with Student Chapter executives and faculty advisors. This has injected new enthusiasm in Chapter participation in new programs and initiatives. The committee has been making effort to

keep important Chapter contacts up to date at all times to facilitate communication. The Committee continued to grant Student Chapters the opportunity to share their activities and experiences in the Canadian Civil Engineer magazine, and so far, invited Chapters have responded enthusiastically.

- New Material / Resources – Student Chapters now have access to a new and comprehensive Chapter Guide (in French and English) to help both new and existing Chapters function professionally. This document is readily accessible on the committee's website. The website also contains membership resources including the membership application form and a document explaining the student registration process to address challenges faced by students in the new online registration process. For 2015, the committee has decided to print educative posters and bookmarks to send to each Chapter in support of school year kick-offs and membership drives.
- Chapter Annual Report – The Committee now demands that each Student Chapter must submit an Annual Report on their activities. This was piloted in the 2013/2014 school year for two reasons: (1) to encourage Chapters to function professionally and efficiently; and (2) to help Student Affairs assess the effectiveness of its programs and provide feedback to Chapters. The Annual Report now serves as the basis for the President's Best Student Chapter award. The Committee has also prepared a report template which is available to Chapters to help facilitate the preparation of the reports. In the 2013/2014 school year, a total of 24 Student Chapters submitted their annual reports. Committee members reviewed all the reports.
- Student Chapter Leaders Workshop - The Committee is encouraging stimulating interactions amongst Student Chapters, as well as increasing undergraduate student participation in national CSCE events. The second national Student Chapter Leaders Workshop was held in Halifax, the first in Montreal, and they provided excellent networking opportunities for



our student leaders. This year, five Student Chapters benefited from a \$200 subsidy from Student Affairs for their participation. The committee is strengthening the interaction between Chapters by using social media.

- National CAPSTONE Design Competition – Following the success of the inaugural edition of the Capstone Design competition in 2013 in Montreal (14 schools participated), the Committee held the competition again in Halifax in May 2014 (13 schools participated). Five schools who participated in 2013 did not participate in 2014, meaning in total 18 civil engineering programs have participated in two years. Student Affairs will continue to hold the competition annually. The two students nominated by each school for the competition receive conference registration subsidy.
- Faculty and Practitioner Advisors - Student Affairs is encouraging Chapters to appoint Practitioner Advisors to assist Faculty Advisors, particularly in facilitating interaction between Chapters and their CSCE regional and local Sections. Student Affairs has also instituted recognitions for Faculty/Practitioner Advisors who distinguish themselves in serving their Student Chapters.

Chair Student Affairs Committee,  
**Charles-Darwin Annan**

### **Life Members Committee**

The Life Members Committee provides the formal link between the Board of Directors and the more than 400 Life Members, Life Fellows, and Retired Members of the Society. Many of these members are still actively engaged in the activities of the Society at the national, regional and local levels. It should also be noted that many older Members and Fellows choose not to change to one of the life member categories because they are still in practice.

Life Members/Life Fellows do not pay an annual membership fee but they are asked at the time of the fee billings in November to make a voluntary payment of \$40 for such services as the Society's magazine,

CIVIL. At the same time Life Members/Life Fellows are encouraged to donate to the CSCE Foundation for both the general fund and for specific accounts such as the Donald Jamieson Fellowship and the Society's History Program Fund. In the past the voluntary contributions have totalled about \$4000 per year and the donations have been slightly less.

For many years there has been a reduced registration fee for the Annual Conference for Life Members/Life Fellows. The annual Fellows/Life Members dinners held on the Saturday immediately after the Society's annual general conferences are consistently well attended and thoroughly enjoyed by all.

As chair, I was pleased to be invited to join the Task Force established by the Society to review the criteria for becoming a Life Member/Life Fellow in the Society. It is appropriate that it be the Society itself and not the Life Members Committee which examines these criteria. It is expected that substantial progress on the issues will be made in the coming year.

Chair Life Members Committee,  
**Peter Wright**

### **Young Professionals Committee**

The mandate of the Young Professionals (YP) Committee is to provide services and programming for the society's younger members or those who are new to the profession. In our fourth year, the committee has focused our efforts on raising awareness and fulfilling our mandate. The "Young Professionals' Corner" column in CIVIL magazine continues to spread the word about Young Professional programming and events across the country.

This year the committee continued to grow through establishing and maintaining YP representative positions across the local section executive committees. Our YP representatives within the local sections have hosted many successful events, created YP targeted programming, and facilitated networking and career growth opportunities all within the past year. The local YP representatives continue to serve the needs of our YP members and are the backbone

of the committee.

The committee's implemented succession planning is in place allowing us to ensure long term success and growth. The committee welcomes the new Chair, Bernard Moulins to grow the initiative over the next two years. The committee continues to connect with our bi-monthly conference calls and through our internal discussion forum board.

The committee, though the very hard work of Katelyn Freçon the YP Conference Coordinator, hosted another very successful YP supplement program at last year's conference in Halifax. The success of last year's program has helped paved the way for an exciting schedule of YP events to be held at this year's conference.

Using the Strategic Directions of the Society as guidance, the committee is working towards our two broad based goals to: increase the number of local YP events (enhanced member services) and bridge the gap between student members and associate members (grow with youth).

The YP Committee is here to serve you, our younger members. Let us know if you have any suggestions and/or want to get involved. You have a voice!

Please do not hesitate to contact myself, nparker@rjc.ca, or your local YP representative, <http://csce.ca/committees/young-professionals/>.

Chair Young Professionals Committee,  
**Nigel Parker**

### **Conference Committee**

This committee was formed in 2014 to replace a single person role and create a support network for the conferences and technical programs CSCE puts on every year along with the hard work by Local Organizing Committees (LOC). The support by the Regions and the Technical Divisions is essential to the Annual Conference to ensure a quality conference.

While 2015 sees the Regina LOC hosting the Annual Conference "Building on Our

Growth Opportunities”, the LOC from London is hard at work organizing the 2016 Annual Conference - “Resilient Infrastructure” and the Vancouver LOC is also busy with planning for the 2017 Annual Conference.

The Conference Committee also works with the National Office. There are a number of other seminars and specialty conferences that are proposed and held which receive CSCE sponsorship and support. All of these must be vetted for schedule, content and quality. 2015 will see this committee establish a strong base of volunteers and will continue supporting quality programs.

Chair Conference Committee,  
**Wade Zwicker**

# Report of the CSCE Nominating Committee (2015–2016)

The Nominating Committee of the Board of Directors of the Canadian Society for Civil Engineering has provided, for approval by the members, the following nominations to the Board of Directors.

Position	Incumbent	Proposed	Term
President	Andres, finishing term	Tony Bégin	1 yr
President-Elect	Bégin, finishing term	Jim Gilliland	1 yr
Senior Vice-President			
Chair, Regional Coordinating Committee	Brown, finishing term	Susan Tighe	1 yr
Past-President	Kells, finishing term	Reg Andres	1 yr
Honorary Treasurer	Hewus, finishing 1st yr	Glenn Hewus	1 yr
Vice-President, Administration Coordinating Committee	Mainali, finishing 4th yr	Wade Zwicker	2 yrs
Vice President, Technical Divisions and Committees	McCabe, finishing 2nd yr	Gopal Achari	2 yrs
Vice President, Technical Programs	Chan, finishing 1st yr	Todd Chan	1 yr
Vice-President, Atlantic Region	Hickey, 4th yr	Jeff Rankin	2 yrs
Vice-President, Quebec Region	Labrecque, finishing 2nd yr	Jean-Luc Martel	2 yrs
Vice-President, Ontario Region	Munteanu, finishing 1st yr	Adrian Munteanu	1 yr
Vice-President, Prairie Region	Retzlaff, finishing 4th yr	Mike Hnatiuk	2 yrs
Vice-President, Western Region	Philip Alex, finishing 2nd yr	Philip Alex	2 yrs
Vice-President, International Region	Burrell, finishing 1st yr	Brian Burrell	1 yr
Member at Large representing Corporate members	Pilon, finishing 1st yr	Jean-Pierre Pilon	1 yr
Member at Large representing Council of Heads and Chairs of Canadian Civil Engineering Departments	El Damatty, finishing 1st yr	Ashraf El Damatty	1 yr

In addition to the above elected Director positions, which are voting positions on the Board, there are two non-voting positions on the Board appointed by others:

Representative - Canadian Geotechnical Society (non-voting)	Mulligan, finishing term	Catherine Mulligan	1 yr
Representative - Hong Kong Branch (non-voting)	Pang, finishing 1st year	Kelvin Cheung	1 yr

The Chairs of the Divisions, Committees and Programs of CSCE are also elected or re-elected by the members of the Divisions, Committees and Programs, as follows:

## ADMINISTRATION COORDINATING COMMITTEE

Chair, Communications Committee	Hnatiuk, finishing 2nd yr	Peter Seibert	2 yrs
Chair, History Committee	Sexsmith, finishing 4th yr	Hazel Battad	2 yrs
Chair, Business Development Committee	Ghoneim, finishing 1st yr	Gamal Ghoneim	1 yr
Chair, Membership Services Committee	Calcetas, finishing 3rd yr	Peter Calcetas	1 yr
Chair, Honours and Awards Committee	Pickle, finishing 2nd yr	Randy Pickle	2 yrs
Chair, Student Affairs Committee	Annan, finishing 2nd yr	Charles–Darwin Annan	2 yrs
Chair, Life Members Committee	Wright, finishing 1st yr	Peter Wright	1 yr
Chair, Young Professionals Group	Parker, finishing 2nd yr	Bernard Moulins	2 yrs
Chair, Conference Committee	Zwicker, finishing 1st yr	Graham Sterparn	2 yrs

## PROGRAMS COORDINATING COMMITTEE

### Technical Divisions & Committees

Chair, Cold Regions Division	Smith, finishing 4th yr	TBD	2 yrs
Chair, Construction Division	Sadeghpour, finishing 2nd yr	Farnaz Sadeghpour	2 yrs
Chair, Engineering Mechanics/Materials Division	Palermo, finishing 2nd yr	Dan Palermo	2 yrs
Chair, Hydrotechnical Division	Bender, finishing 3rd yr	TBD	2 yrs
Chair, Environmental Division	Achari, finishing 4th	Catherine Mulligan	2 yrs
Chair, Structures Division	Zaki, finishing 1st yr	Adel Zaki	1 yr
Chair, Transportation Division	Qiu, finishing 1st yr	Tony Qiu	1 yr
Chair, Sustainable Development Committee	Tam, finishing 2nd yr	Edwin Tam	2 yrs
Chair, Innovation and IT Committee	Foo, finishing 4th yr	George Akhras	2 yrs
Chair, Engineering Management Committee	Katsanis, finishing 1st yr	Constantine Katsanis	1 yr

### Technical Programs

Chair, Infrastructure Renewal Committee	Larson, finishing 3rd yr	Nick Larson	1 yr
Chair, Engineering Practice Committee	Devkota, finishing 4th yr	Bhuwan Devkota	1 yr
Chair, International Affairs Committee	Droste, finishing 4th yr	Rishi Gupta	2 yrs
Chair, Education and Research Committee	Dragomirescu, finishing 1st yr	Elena Dragomirescu	1 yr
Chair, Technical Publications Committee	Newton, finishing 1st yr	Linda Newton	1 yr
NLT Coordinator	Garland, finishing 1st yr	James Garland	1 yr
Editor, CJCE	Sayed, finishing 9th yr	Nihar Biswas	2 yrs
	Bartlett, finishing 5th yr	Mike Bartlett	1 yr

# CSCE Membership / Membres SCGC

Sections	Sept 30/14	Sept 30/13
East New Brunswick/P.E.I.	63	68
Newfoundland	64	72
Nova Scotia	62	44
West New Brunswick	54	112
Durham/Northumberland	43	50
Hamilton	167	233
London & District	174	200
National Capital Section	166	173
North Bay	11	13
Northwestern Ontario	27	99
Toronto	552	672
Manitoba	89	106
Saskatoon	134	140
South Saskatchewan (Interim)	41	43
Montreal	345	397
Quebec	144	285
Sherbrooke	51	128
Calgary	311	385
Edmonton	324	298
Vancouver Island	60	38
Vancouver	462	463
<b>SUB TOTAL - CDN</b>	<b>3344</b>	<b>4019</b>
Foreign	97	92
Hong Kong	25	25
<b>GRAND TOTAL</b>	<b>3466</b>	<b>4136</b>

Grade	Sept 30/14	Sept 30/13
Fellow	265	267
Member (corp, US&intl, new)	1447	1462
Associate Member (1-4)	86	191
Technical/Professional Affiliate	16	18
Technologist (1st +)	8	2
Students	1211	1859
<b>SUB TOTAL - DUES PAYING MEMBERS</b>	<b>3033</b>	<b>3799</b>
Life Member	224	219
Fellow Life Member	119	118
Associate Member (0 Year)	90	0
<b>TOTAL MEMBERSHIP</b>	<b>3466</b>	<b>4136</b>

Regions	Sept 30/14	Sept 30/13
Atlantic	243	296
Ontario	1440	1440
Prairie	264	289
Quebec	540	810
Western	1157	1184
<b>SUB TOTAL - CDN</b>	<b>3344</b>	<b>4019</b>
Foreign	122	117
<b>GRAND TOTAL</b>	<b>3466</b>	<b>4136</b>

## Sustaining Members—Civil Engineering Departments Membres de soutien—départements de génie civil

### Atlantic/Atlantique

Memorial University  
Dalhousie University  
University of New Brunswick  
Université de Moncton

### Québec

Université Laval  
Université de Sherbrooke  
Concordia University  
École Polytechnique  
École de Technologie Supérieure  
McGill University

### Ontario

Carleton University  
University of Ottawa  
McMaster University  
Queen's University  
Royal Military College  
Ryerson University  
University of Toronto  
University of Waterloo  
University of Western Ontario  
University of Windsor

### Prairies

University of Manitoba  
University of Saskatchewan

### West/Ouest

University of Alberta  
University of Calgary  
University of British Columbia – Okanagan  
British Columbia Institute of Technology  
University of British Columbia  
University of Victoria

### International Members - Institutional Membres internationaux institutionnels

Henan Urban Planning and Design Institute  
Hong Kong University of Science & Technology  
Beijing Normal University  
Wuhan University of Technology

**THE CANADIAN SOCIETY FOR CIVIL ENGINEERING  
LA SOCIÉTÉ CANADIENNE DE GÉNIE CIVIL**

**FINANCIAL STATEMENTS  
ÉTATS FINANCIERS**

**FOR THE YEAR ENDED SEPTEMBER 30, 2014  
POUR L'EXERCICE TERMINÉ LE 30 SEPTEMBRE 2014**

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## **The Canadian Society for Civil Engineering La Société Canadienne de Génie Civil**

### **Independent Auditors' Report For the Year Ended September 30, 2014**      **Rapport de l'auditeur indépendant l'exercice terminé le 30 septembre 2014**

#### **To the Members of The Canadian Society for Civil Engineering**

We have audited the accompanying financial statements of The Canadian Society for Civil Engineering which comprise the statement of financial position as at September 30, 2014, and the statements or changes in net assets, revenues and expenses and cash flows for the year then ended, and a summary of significant accounting policies and other explanatory information.

#### *Management's Responsibility for the Financial Statements*

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Canadian accounting standards for not-for-profit, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

#### *Auditor's Responsibility*

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with Canadian generally accepted auditing standards. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

#### **Aux membres de La Société Canadienne de Génie Civil**

Nous avons effectué l'audit des états financiers ci-joints de la Société Canadienne de Génie Civil, qui comprennent l'état de la situation financière au 30 septembre 2014, les états de l'évolution des actifs nets, revenus et dépenses et des flux de trésorerie pour l'exercice terminé à cette date, ainsi qu'un résumé des principales méthodes comptables et d'autres notes explicatives.

#### *Responsabilité de la direction pour les états financiers*

La direction est responsable de la préparation et de la présentation fidèle de ces états financiers conformément aux normes comptables canadiennes pour les organismes sans but lucratif, ainsi que du contrôle interne qu'elle considère comme nécessaire pour permettre la préparation d'états financiers exempts d'anomalies significatives, que celles-ci résultent de fraudes ou d'erreurs.

#### *Responsabilité de l'auditeur*

Notre responsabilité consiste à exprimer une opinion sur les états financiers, sur la base de notre audit. Nous avons effectué notre audit selon les normes d'audit généralement reconnues du Canada. Ces normes requièrent que nous nous conformions aux règles de déontologie et que nous planifions et réalisons l'audit de façon à obtenir l'assurance raisonnable que les états financiers ne comportent pas d'anomalies significatives.

**Independent Auditors' Report  
For the Year Ended September 30, 2014**

**Rapport de l'auditeur indépendant  
l'exercice terminé le 30 septembre 2014**

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the company's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company's internal control.

Un audit implique la mise en œuvre de procédures en vue de recueillir des éléments probants concernant les montants et les informations fournis dans les états financiers. Le choix des procédures relève du jugement de l'auditeur, et notamment de son évaluation des risques que les états financiers comportent des anomalies significatives, que celles-ci résultent de fraudes ou d'erreurs. Dans l'évaluation de ces risques, l'auditeur prend en considération le contrôle interne de l'entité portant sur la préparation et la présentation fidèle des états financiers afin de concevoir des procédures d'audit appropriées aux circonstances, et non dans le but d'exprimer une opinion sur l'efficacité du contrôle interne de l'entité.

An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

Un audit comporte également l'appréciation du caractère approprié des méthodes comptables retenues et du caractère raisonnable des estimations comptables faites par la direction, de même que l'appréciation de la présentation d'ensemble des états financiers.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Nous estimons que les éléments probants que nous avons obtenus sont suffisants et appropriés pour fonder notre opinion d'audit.

*Opinion*

In our opinion, the financial statements present fairly, in all material respects, the financial position of The Canadian Society for Civil Engineering as at September 30, 2014 and the results of its operations and its cash flows for the year then ended in accordance with Canadian accounting standards for not-for-profit organizations.

*Opinion*

À notre avis, ces états financiers donnent, dans tous leurs aspects significatifs, une image fidèle de la situation financière de la Société Canadienne de Génie Civil au 30 septembre 2014 ainsi que des résultats de ses activités et de ses flux de trésorerie pour l'exercice clos à cette date conformément aux normes comptables canadiennes pour les organismes sans but lucratif.

The financial statements of The Canadian Society for Civil Engineering for the year ended September 30, 2013 were audited by another auditor who expressed an unmodified opinion on those statements on December 1, 2013.

Les états financiers de la Société Canadienne de Génie Civil pour l'exercice clos le 30 septembre 2013 ont été audités par un autre auditeur qui a exprimé sur ces états une opinion non modifiée le 1 décembre 2013.

*Collins Barrow Montréal S.E.N.C.R.L. /L.P.*

November 28, 2014  
Montréal, Québec

Le 28 novembre 2014  
Montréal (Québec)

<sup>1</sup> CPA auditor, CA, public accountancy permit No. A114616

<sup>1</sup> CPA auditeur, CA, permis de comptabilité publique no A114616



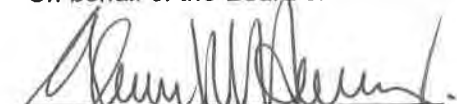
The Canadian Society for Civil Engineering La Société Canadienne de Génie Civil

Statement of Financial Position  
As at September 30, 2014

État de la situation financière  
Au 30 septembre 2014

	2014	2013	
	\$	\$	
<b>Assets</b>			<b>Actifs</b>
<b>Current</b>			<b>À court terme</b>
Cash	289,172	425,117	Encaisse
Restricted cash	159,650	159,650	Trésorerie affecté
Term deposit (Note 4)	199,948	-	Dépôt à terme (note 4)
Accounts receivable	222,675	104,788	Débiteurs
Government remittances receivable	5,357	54,525	Remises gouvernementales à recevoir
Conference advances	18,258	33,520	Avances – congrès
Prepaid expenses	13,275	1,530	Frais payés d'avance
	<u>908,335</u>	<u>779,130</u>	
Property and equipment (Note 5)	508	968	Immobilisations corporelles (note 5)
Software (Note 6)	13,681	17,600	Logiciel de base de données (note 6)
	<u>922,524</u>	<u>797,698</u>	
<b>Liabilities</b>			<b>Passifs</b>
<b>Current</b>			<b>À court terme</b>
Accounts payable and accrued liabilities	157,256	72,441	Créditeurs et frais courus
Government remittances payable	11,071	7,732	Remises gouvernementales à payer
Due to regions and sections	67,964	54,570	Dû aux régions et sections
Deferred revenue	-	1,400	Revenu reporté
	<u>236,291</u>	<u>136,143</u>	
<b>Net assets</b>			<b>Actif net</b>
Second Century Fund	159,650	159,650	Fonds 2e siècle
Unrestricted	526,583	501,905	Non affectés
	<u>686,233</u>	<u>661,555</u>	
	<u>922,524</u>	<u>797,698</u>	

On behalf of the Board of Directors

  
Director / Administrateur

Au nom du conseil d'administration

  
Directeur / Administrateur

The accompanying notes are an integral part of the financial statements.

Les notes complémentaires font partie intégrante des états financiers.

The Canadian Society for Civil Engineering La Société Canadienne de Génie Civil

Statement of Revenue and Expenditure  
for the year ended september 30, 2014

État des revenus et dépenses pour  
l'exercice terminé le 30 septembre 2014

	2014 \$	2013 \$	
<b>Net assets</b>			<b>L'actif net</b>
<b>Second Century Fund</b>			<b>Fonds 2e siècle</b>
Balance – beginning of year	159,650	159,650	Solde – début de l'exercice
Net revenue for the year	<u>-</u>	<u>-</u>	Revenus nets pour l'exercice
<b>Balance – end of year</b>	<u>159,650</u>	<u>159,650</u>	<b>Solde – fin de l'exercice</b>
<b>Unrestricted</b>			<b>Non affectés</b>
Balance – beginning of year	501,905	498,743	Solde – début de l'exercice
Net revenue for the year	<u>24,679</u>	<u>3,162</u>	Revenus nets pour l'exercice
<b>Balance – end of year</b>	<u>526,584</u>	<u>501,905</u>	<b>Solde – fin de l'exercice</b>

The Canadian Society for Civil Engineering La Société Canadienne de Génie Civil

Statement of Revenue and Expenditures  
For the Year Ended September 30, 2014

État des revenus et dépenses pour  
l'exercice terminé le 30 septembre 2014

	2014 \$	2013 \$	
<b>Revenue</b>			<b>Revenus</b>
Membership fees			Cotisations
Full members	262,003	269,321	Membres
Students	13,430	13,504	Membres étudiants
Corporate	109,455	102,105	Membres d'entreprise
Institutional members	1,000	-	Membres institutionnels
Communications	106,827	92,552	Communications
Lifelong learning	69,746	107,789	Formation continue
Annual conference	416,716	601,096	Congrès annuel
Conferences (net)	110,000	22,038	Congrès (net)
Interest	2,933	3,190	Intérêts
Miscellaneous	44,204	13,281	Divers
	<u>1,136,314</u>	<u>1,224,876</u>	
<b>Expenditures</b>			<b>Charges</b>
Administration	418,572	404,711	Administrations
Communications	107,157	108,780	Communications
Lifelong learning	84,799	106,674	Formation continue
Rebates to regions and sections	20,943	15,306	Ristournes aux régions et sections
Committees and Board	42,496	41,228	Comités et conseil d'administration
Annual conference	349,802	452,653	Congrès annuel
Annual meeting	24,492	17,657	Assemblée annuelle
Special projects	27,766	28,957	Projets spéciaux
Awards and sponsorship	21,970	36,946	Prix et commandites
Miscellaneous	13,638	8,802	Divers
	<u>1,111,635</u>	<u>1,221,714</u>	
<b>Net revenue for the year</b>	<u>24,679</u>	<u>3,162</u>	<b>Revenus nets pour l'exercice</b>

The Canadian Society for Civil Engineering La Société Canadienne de Génie Civil

Statement of Cash Flows

État des flux de trésorerie pour

For the Year Ended September 30, 2014 l'exercice terminé le 30 septembre 2014

	2014 \$	2013 \$	
<b>Operating activities</b>			<b>Activités d'exploitation</b>
Net revenue for the year	24,679	3,162	Revenues nets pour l'exercice
Items not affecting cash			Éléments n'affectant pas la trésorerie
Amortization	5,140	5,257	Amortissement
Total adjustments	<u>29,819</u>	<u>8,419</u>	Total des rajustements
Net change in non-cash working capital items			Variation nette des éléments hors caisse du fonds de roulement
Accounts receivable	(117,887)	150,544	Débiteurs
Government remittances receivable	49,168	(18,043)	Remises gouvernementales à recevoir
Conference advances	15,262	(5,953)	Avances – congrès
Prepaid expenses	(11,745)	2,621	Frais payés d'avance
Accounts payable	84,815	(307,504)	Créditeurs
Government remittances payable	3,339	211	Remises gouvernementales à payer
Due to regions and sections	13,393	1,390	Dû aux régions et sections
Deferred revenue	(1,400)	(23,400)	Revenu reporté
Cash provided by (used in) operating activities	<u>64,764</u>	<u>(191,715)</u>	Flux de trésorerie provenant des activités d'exploitation
<b>Investing activities</b>			<b>Activités d'investissement</b>
Purchase of equipment	(761)	-	Acquisition d'immobilisations corporelles
Purchase of database software	-	(23,030)	Acquisition de logiciel de base de données
Cash used in investing activities	<u>(761)</u>	<u>(23,030)</u>	Flux de trésorerie provenant des activités d'investissement
Net increase (decrease) in cash and cash equivalents	64,003	(214,745)	Augmentation (diminution) l'encaisse au cours de l'exercice
Cash and cash equivalents – beginning of year	<u>584,767</u>	<u>799,512</u>	Trésorerie et équivalents début de l'exercice
Cash – end of year	<u><u>648,770</u></u>	<u><u>584,767</u></u>	Trésorerie et équivalents fin de l'exercice

The accompanying notes are an integral part of the financial statements.

Les notes complémentaires font partie intégrante des états financiers.

## 1. Nature of the organization

The objective of the Society is to advance the civil engineering profession by the exchange of technical information through seminars, conferences, publications and research. All Canadian civil engineers are eligible for membership and the Society is a member of the Engineering Institute of Canada (EIC). The Society is managed by an elected Board of Directors on behalf of the members.

During the year, Corporations Canada established the Canada Not-for-profit Corporations Act (NFP Act). All registered charities currently incorporated under the Canada Corporations Act must apply for a certificate of continuance under the new NFP Act by October 17, 2014 failing which the corporation will be dissolved. The Society filed for the certificate of continuance on July 11, 2014 and therefore is now incorporated under Section 211 of the Canada NFP Act and is not subject to income taxes.

These financial statements do not include the accounts of the Trustees fund and Jamieson Fund as detailed in Note 9.

## 2. Significant accounting policies

These financial statements have been prepared in accordance with Canadian accounting standards for not-for-profit organizations and include the following significant accounting policies:

### a) Measurement uncertainty

The preparation of financial statements requires management to make estimates and assumptions that affect the reported amount of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenditure during the reporting period. These estimates are reviewed periodically, and as adjustments become necessary they are reported in income in the period in which they become known. Estimates are used when accounting for items and matters such as allowance for doubtful accounts, amortization and accrued liabilities. Actual results may differ from those estimates.

## 1. Nature de l'organisation

L'objectif de la Société est l'avancement de la profession par l'échange de savoir technique au moyen de séminaires, congrès, publications et recherches. Tous les ingénieurs civils canadiens peuvent devenir membres de la Société, qui est une société membre de l'Institut canadien des ingénieurs (ICI). La Société est dirigée par un conseil d'administration élu par les membres.

Au cours de l'année, Corporations Canada a établi la Loi canadienne sur les organisations à but non lucratif (Loi BNL). Chaque société constituée en vertu de l'ancienne Loi devra procéder à la transition en vertu de la Loi BNL avant le 17 octobre 2014 sinon la société sera dissoute. La Société a obtenu le certificat de prorogation, le 11 Juillet 2014, et donc a été constituée en vertu de l'article 211 de la Loi canadienne sur les organisations à but non lucratif et bénéficie d'une exemption fiscale.

Ces états financiers ne comprennent pas la comptabilité des Fonds en fiducie et Jamieson, tel qu'expliqué à la note 9.

## 2. Principales pratiques comptables

Ces états financiers ont été préparés selon les normes comptables canadiennes pour les organismes sans but lucratif et comprennent les pratiques comptables suivantes :

### a) Incertitude d'évaluation

La préparation des états financiers exige que la direction fasse des estimations des hypothèses qui ont une incidence sur le montant déclaré de l'actif et du passif et révèle l'actif et le passif éventuels à la date des états financiers ainsi que le montant déclaré du revenu et des dépenses pendant la période visée par les états. Ces estimations sont réexaminées périodiquement et, lorsque des redressements deviennent nécessaires, ils sont présentés dans les résultats de la période au cours de laquelle ils deviennent connus. Les estimations sont utilisées pour comptabiliser la provision pour créances douteuses, l'amortissement et les frais courus. Les résultats réels peuvent être différents de ces estimations.

**b) Financial instruments**

The Society initially measures its financial assets and liabilities at fair value.

The Society subsequently measures all its financial assets and financial liabilities at amortized cost.

Financial assets measured at amortized cost include cash, restricted cash, term deposit, accounts receivable and government remittances receivable.

Financial liabilities measured at amortized cost include accounts payable and accrued liabilities and government remittances payable.

The company has not designated any financial asset or financial liability to be measured at fair value.

**Impairment**

Financial assets measured at cost are tested for impairment when there are indicators of impairment. The amount of the write-down is recognized in net income. The previously recognized impairment loss may be reversed to the extent of the improvement, directly or by adjusting the allowance account, provided it is no greater than the amount that would have been reported at the date of the reversal had the impairment not been recognized previously. The amount of the reversal is recognized in net income.

**c) Property, equipment and software**

Property, equipment and software are recorded at cost less accumulated amortization. Amortization is provided on the straight line basis over 3 years for the equipment and over 5 years for the database software.

**b) Instruments financiers**

Lors de la comptabilisation initiale, la Société évalue tous ses actifs et passifs financiers à leur juste valeur.

La Société évalue ultérieurement tous les actifs et passifs financiers au coût après amortissement.

Les actifs financiers évalués au coût après amortissement se composent de l'encaisse, trésorerie affecté, dépôt à terme, débiteurs et remises gouvernementales à recevoir.

Les passifs financiers évalués au coût après amortissement se composent des créditeurs et frais courus et remises gouvernementales à payer.

La société n'a pas désigné d'actifs ou de passifs financiers comme devant être évalués à la juste valeur.

**Perte de valeur**

Les actifs financiers évalués au coût après amortissement sont appréciés pour déterminer s'il existe des indications d'une possible dépréciation, et toute perte de valeur est comptabilisée au résultat net. Une perte de valeur précédemment constatée peut être renversée dans la mesure de l'amélioration, soit directement, soit en ajustant le compte de réserve pour créances irrécouvrables, pourvu que le renversement ne soit pas supérieur au montant qui aurait par ailleurs été présenté à la date du renversement si la perte de valeur n'avait pas été constatée. Le montant du renversement est comptabilisé au résultat net.

**c) Immobilisations corporelles et logiciel de base de données**

Les immobilisations corporelles et logiciel de base de données sont consignées au coût moins l'amortissement cumulé. L'amortissement est calculé de façon linéaire sur 3 ans pour l'équipement et sur 5 ans pour le logiciel de base de données.

**d) Revenue recognition**

The Society follows the deferral method of accounting for contributions. Restricted contributions are recognized as revenue in the year in which the related expenditure is incurred. Unrestricted contributions are recognized as revenue when they are received or become receivable.

Individual membership fees are recognized as revenue over the period to which they relate. Corporate membership fees are recognized as revenue in the period in which they become receivable.

Other revenues are recognized in the year in which the event is held or the revenue is earned.

**e) The Second Century Fund**

The Fund was created in 1987 to provide assistance for the enhancement of technical activities of the Society. It is administered by a three member committee. Cash held by the Society on behalf of the Fund is presented as restricted cash.

**f) Regional operations**

These financial statements reflect only the rebates that are paid or payable to the Regions and do not include the assets, liabilities or operations of the Regions.

**3. Financial instruments**

Unless otherwise noted, it is management's opinion that the Society is not exposed to significant interest rate, currency, credit, liquidity or market risks arising from its financial instruments and the carrying amount of the financial instruments approximate their fair value.

**d) Constatation des produits**

La Société utilise la méthode du report des revenus. Les contributions sont reconnues à titre de revenus au cours de l'exercice où les dépenses correspondantes sont enregistrées. Les contributions non affectées sont reconnues à titre de revenus lorsque reçues ou à recevoir.

Les cotisations individuelles sont reconnues comme des revenus pour la période qu'elles couvrent. Les cotisations des membres corporatifs sont reconnues comme des revenus pour la période durant laquelle elles sont recevables.

D'autres revenus sont constatés dans l'exercice au cours duquel l'événement a lieu ou les revenus sont gagnés.

**e) Le fonds 2<sup>e</sup> siècle**

Le fonds a été créé en 1987 pour contribuer à l'amélioration des activités techniques de la société. Le Fonds est administré par un comité de trois membres. Les liquidités détenues par la Société au nom du Fonds sont présentés comme trésorerie affectée.

**f) Opérations régionales**

Ces états financiers reflètent uniquement les rabais versés ou à verser aux régions, sans inclure l'actif, le passif ou les opérations des régions.

**3. Instruments financiers**

Sous réserve d'indication contraire, la direction estime que la Société n'est pas exposée à des risques considérables liés au taux d'intérêt, au taux de change, au crédit, à la liquidité ou au marché dérivant de ses instruments financiers, et la valeur comptable des instruments financiers est proche de sa juste valeur.

Notes to the Financial Statements  
September 30, 2014

Notes complémentaires  
Le 30 septembre 2014

4. Term Deposit

The term deposit is a Guaranteed Investment Certificate bearing interest at bank prime less 1.95%, maturing March 2015.

4. Dépôt à terme

Le dépôt à terme est un Certificats de placement garanti qui portent intérêt au taux préférentiel moins 1.95%, et viendra à échéance en mars 2015.

5. Property and equipment

		2014 \$	2013 \$	
	Cost Coût	Accumulated amortization Amortissement cumulé	Net	Net
Property and equipment	11,810	(11,302)	508	968

Immobilisations corporelles

5. Immobilisations corporelles

6. Software

		2014 \$	2013 \$	
	Cost Coût	Accumulated amortization Amortissement cumulé	Net	Net
Database software	23,029	(9,348)	13,681	17,600

Logiciel de base de données

6. Logiciel de base de données

7. Commitments

a) Office space

The Society has leased office space at a minimum annual rent of \$35,000 until August 31, 2015.

b) Regional rebates

The Society offers a rebate up to 10% of membership fees to the Regions.

c) EIC core program fee

The Society is a member of the EIC and pays the core program fee to support its essential operations.

7. Engagements

a) Locaux pour bureaux

La Société a loué des locaux pour un loyer minimum de 35 000\$ jusqu'au 31 août 2015.

b) Rabais régionaux

La Société consent aux régions des rabais allant jusqu'à 10% des cotisations.

c) Honoraires pour les programmes de l'ICI

La Société est membre de l'ICI et lui verse des honoraires pour son fonctionnement.



**8. Line of credit**

The Society currently has an unused available line of credit of \$50,000. The line of credit bears interest at prime plus 2% on all outstanding borrowings.

**8. Marge de crédit**

La Société dispose actuellement d'une marge de crédit inutilisée de 50 000 \$. La marge de crédit porte intérêt au taux préférentiel majoré de 2% sur tous les emprunts en cours.

**9. Contingent liability**

The Society's regional operations are not separately incorporated, therefore, the Society could be held responsible for liabilities incurred but not honoured by the regions.

**9. Dette éventuelle**

Les opérations des régions ne sont pas incorporées séparément, et la Société peut être tenue responsable des dettes encourues mais non honorées par les régions.

**10. Related parties**

The Society is responsible for the management and administration of the Canadian Society for Civil Engineering Foundation Trustees Fund (Trustees Fund) and the Donald Jamieson Fellowship Fund (Jamieson Fund). These funds are a registered charity under the Canadian Income Tax Act and the Quebec Taxation Act.

**10. Opérations entre apparentés**

La Société est responsable de la gestion et de l'administration de la Fondation de la SCGC, des fonds en fiducie et des fonds Donald Jamieson Fellowship. Ces fonds sont considérés comme des œuvres de bienfaisance en vertu des lois canadiennes et québécoises de l'impôt due le revenu.

The Trustees Fund was created to provide honours and awards to recognize outstanding contributions made by engineering students and other individuals to the development of civil engineering through research, teaching and structural design work. The Fund is administered by a three member committee appointed by the Society.

Les fonds en fiducie ont été créés pour financer les prix et récompenses attribués à des étudiants en génie ou à d'autres personnes pour leur contribution au développement du génie civil par leur recherche, leur enseignement et leur travail. Le fonds est géré par un comité de trois membres élu par la Société.

The Jamieson Fund was created to further graduate student research at Canadian universities in the area of structural engineering. The amount and frequency of the fellowship is not specified; however, only 80% of the interest income earned in the fund is available for disbursement. The Fund is administered by a three member committee appointed by the Society.

Le Fonds Jamieson a été créé pour aider aux recherches par des étudiants des cycles supérieurs en génie des structures. Le montant et la fréquence des bourses ne sont pas précisés, et 80% du revenu en intérêt peut être versé. Le fonds est administré par un comité de trois membres élu par la Société.

Notes to the Financial Statements  
September 30, 2014

Notes complémentaires  
Le 30 septembre 2014

	2014	2013	
	\$	\$	
<b>Assets</b>			<b>Actif</b>
Cash	74,264	12,134	Encaisse
Investments	215,142	257,809	Placements
Accounts receivable	4,206	1,624	Débiteurs
	<u>293,612</u>	<u>271,567</u>	
<b>Net assets</b>			<b>Actif Net</b>
Trustees Fund			Fonds en fiducie
Balance – beginning of year	156,808	145,121	Solde – début de l'exercice
Interest	2,022	3,394	Intérêts
Dividends	2,021	-	Dividendes
Donations	18,710	9,596	Dons
Awards and other expenses	(6,010)	(1,303)	Bourses et divers
Balance – end of year	<u>173,551</u>	<u>156,808</u>	Solde – fin de l'exercice
Jamieson Fund			Le Fonds Jamieson
Balance – beginning of year	114,759	117,774	Solde – début de l'exercice
Interest	2,216	2,754	Intérêts
Dividends	2,214	-	Dividendes
Donations	1,531	1,842	Dons
Awards and other expenses	(659)	(7,611)	Bourses et divers
Balance – end of year	<u>120,061</u>	<u>114,759</u>	Solde – fin de l'exercice
	<u>293,612</u>	<u>271,567</u>	

**11. Comparative figures**

The financial statements have been reclassified, where applicable, to conform to the presentation used in the current year. The changes do not affect prior year earnings.

**11. Les données comparatives**

Les états financiers ont été reclassés, au besoin, afin de les rendre conformes à la présentation adoptée pour l'exercice en cours. Les modifications n'affectent pas les résultats des exercices antérieurs.



Collins Barrow

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Comptables Professionnels Agréés / Chartered Professional Accountants

## CSCCE PARTNERS & SPONSORS | ASSOCIÉS ET SPONSORS SCGE

### MAJOR PARTNERS / ASSOCIÉS PRINCIPAUX



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