

Canadian Society for
Civil Engineering



Société canadienne
de génie civil

2020 ANNUAL REPORT

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Annual General Meeting - Virtual meeting Tuesday, June 9th, 2020 13:00 – 14:00 hrs EDT

Head Panel • Michel Khouday, CSCE President,

Catherine Mulligan, CSCE President Elect • Glenn Hewus, CSCE Honourary Treasurer

1. Call to Order (and quorum determination)

Michel Khouday, CSCE President 1:03

Quorum attained

2. Adoption of the Agenda – Michel Khouday

MOTION: to accept the agenda;

Moved: Randy Pickle

2nd – Wade Zwicker

Restate Motion

Discussion

Call for vote

Announce the Vote: Unanimous

Approval of the Minutes of the 2019 AGM June 14, 2019 -
Laval, Quebec (as provided in the Annual Report) – Michel
Khouday

**Motion: to approve the Minutes of the 2019 AGM June 14,
2019;**

Moved: Catherine Mulligan

2nd – Brenda McCabe

Discussion: Call for vote to accept the minutes as per correc-
tions or amendments if any -

Announce the Vote: Unanimous

3. President's Report – M. Khouday

a. President's year end overview

- After reviewing the annual report it's hard to believe how
much time as flown by

- Everyone is making many efforts

- Communications was our core efforts, we revamped our
benefits and moved forward on the 2030 strategic
directions

- CSCE is looking to adopt the certification process for
Envision

- Boosting our participation on the Canadian
Infrastructure report card

- Expanding on our new strategic directives, productive
workshop in November of 2019. We had all levels of
members at the meeting including student members.

- We discussed regional migration that will help lessons
learned and resource crisis

- CSCE is determined to keep members better informed so
they can make well informed decisions

- Covid 19 hit CSCE badly, cancellation of the annual
conference. We thank the LOC, Dena McMMartin and
Patrick Lalach.

- The student competitions were revived with a new chair,
Jeremie Aube.

- A lot was accomplished through the year with improved
communications

- As I stepped down, I want to thank the executives, NMC,
NO and Glenn Hewus, Catherine Mulligan.

- Catherine Mulligan and Brenda McCabe are making
history for CSCE as the first consecutive female
presidents. This is a great stride towards gender equality in
our industry.

b. Identification and thanking of the retiring Board and
committee members

• Glenn Hewus – Immediate Past President

• Glenn Hewus – Honourary Treasurer

• Wade Zwicker – ACC Chair

• Min Sun – Vice President – Western

• Dan Palermo – Heads & Chairs Committee

4. Report of the Honourary Treasurer and motions to approve financial statements – Glenn Hewus.

- Glenn Hewus term ending this year. It's important to cycle
through this, I will be available to help the new treasurer
in this role.

- Not being able to have a conference this year has impacted
our bottom line. We were not able to put aside funds to
get us through situation such as the pandemic.

- We've looked at all costs that could be cut, including head
office costs and rent.

- We look forward to conferences coming up in the next
year, we suspect that the revenues generated through that
will help

- We're also looking at the lifelong learning courses to help
increase revenues

- It's up to all of us to keep membership strong and to
encourage corporate membership. We've been able to keep
some corporate members, but we need more.

- Thank you to NO, Patricia Ricci for working to get back
taxes back from the governments.

**MOTION: to accept the President's report and all reports,
except for the financial statements and the nominating
committee report:**

Moved: Glenn Hewus

2nd – Catherine Mulligan

Announce the vote: 88% agree

12% abstain

**Question – Jim Kells - we lost \$289,000 in 2019? Where is
the proposed budget for 2020?**

Glenn Hewus – the last annual conference and student competitions did not generate the amount of revenues as originally anticipated. Some issues occurred with the student competitions that resulted in a deficit. Without revenues coming in, we still need to pay rent, staff, etc which causes a further deficit. We will not be divulging staff salaries, etc. This is proprietary information.

Question – Rishi Gupta – what is the update on regional rebates?

Glenn Hewus – We took a demand loan to cover costs until revenues were received. These rebates will be determined based on money coming in. If we don't have revenues, there will not be any rebates. The board will review the budget forecast coming in January.

Motion to receive the 2019 financial statement for information

Moved: Glenn Hewus
2nd – Catherine Mulligan

Restate Motion

Discussion

Call for vote to receive the 2019 financial statement for information

Announce the Vote: 84% agreed
3% disagree
13% abstain

Motion to appoint Baker Tilly (Formerly Collin Barrow) auditors for 2020 fiscal year

Moved: Glenn Hewus
2nd – Catherine Mulligan

Restate Motion

Discussion

Call for vote to appoint Baker Tilly (Formerly Collin Barrow) auditors for 2020 fiscal year

Announce the Vote: 91% agree
9% abstain

Glenn Hewus – more questions coming in about the budget that will be addressed offline after the AGM video conference

5. Report of the Nominations Committee and motion to accept the report (as provided in the Annual Report) – M. Khouday

Motion to accept the Nominations Committee (as provided in the Annual Report)

Moved: Gord Lovegrove
2nd – Brenda McCabe

Restate Motion

Discussion

Call for vote to accept the nominations

Announce the Vote: 98% agree
2% abstain

6. Passing of the Gavel and presentation of President's Pin by Out-going President M. Khouday to In-coming President, Catherine Mulligan.

7. Words from new CSCE President Catherine Mulligan P.P. presentation

Catherine Mulligan accepting her new role as president of CSCE. Honored and hopes to serve well.

- See presentation for details.

8. Motion for Adjournment : 1:58

Moved: Catherine Mulligan
2nd – Brenda McCabe

Report of the President

Catherine N. Mulligan, ing., Ph. D., FCSCE, FEIC, FCAE
President, CSCE/Président de la SCGC • President@csce.ca

Adapting to a rapidly changing environment

It is hard to believe that this year as President will end so quickly and much the same way as it started, under a COVID-19 pandemic. I hope everyone has managed to adjust to the new ways of working and has been able to take care of themselves. Let us hope that the vaccines can be widely and quickly distributed and will be very effective despite the new variants.

The CSCE has certainly had to make changes from the beginning of my term. Unfortunately, the annual conference in 2020 had to be cancelled and we thus missed our annual get together. The 8th International Conference on Advanced Composite Materials in Bridges and Structures ACMBS conference this past August was also cancelled by the local organizing committee but has been rescheduled to August 2021. We moved quickly and organized the first ever virtual board meetings and annual general meeting (AGM) in June 2020. During the pandemic outbreak the Canadian Government launched a series of financial support for organizations. We were therefore able to take advantage of the CERB, a loan, the partial payment of salaries and the rent supplement.

Many things have been accomplished since then. The new strategic initiatives were adopted at the 2020 June Board meeting as highlighted in the first ever virtual President's townhall in English in March. Another townhall was then held in June.

The three directions include:

- (1) Growing the changing Civil Engineering Community in Canada together,
- (2) Promotion of Civil Engineering to all
- (3) Leadership in Sustainability Practices for Civil Engineering.

With regards to the first direction, and in light of the protests this past year and growing movement to eliminate racism, we need to look inwardly and work together towards that goal within our profession. We must treat all with respect and equity and ensure diversity at all levels of our society, not only for CSCE, but for the civil engineering profession. We also must be more inclusive of various groups such as Indigenous communities and thus efforts are now being considered with regards to this.

The CSCE 2021 Annual Conference was held May 26 to 29, 2021 virtually. The decision was taken early to hold the conference in this manner and thus it was highly successful. A new publishing company was procured and the conference papers were published on SCOPUS which will increase the impact of our conference papers worldwide.

The Triennial conference took place over May 25 and 26, 2021.

This showed an example of the role of CSCE in advancing sustainable infrastructure. The Triennial Conference is jointly organized every three years by the three civil engineering societies, the American Society of Civil Engineers (ASCE), Institute of Civil Engineers (ICE) and Canadian Society for Civil Engineering (CSCE). The Triennial addressed the adaptation and resilience of infrastructure to climate change. The conference examined activities of each of the societies since the last Triennial in 2018. Panels were held on achieving net zero carbon, adequacy of standards used in practice in the three countries – and the First Nations Climate Change Risk Assessment - Asset Management tool and tools for planning infrastructure. The conference ended with a final discussion on where we are going and the signature of a statement by the three organizations committing to further advance progress on adaptation and resilience of infrastructure to climate change over the next three years.

New task forces were formed in the June board meeting and progress was reported at the November board meeting. These task forces included revenue generation, establishment of continued education certificates and the Envision steering committee. Much progress has been made by all of these.

After the board meeting in June 2020, a group of CSCE members, past-presidents and members of our community submitted a letter to the Board expressing their concern for the Society and calling for the consideration of an Executive Director. In response to this letter, an Executive Director Task Force was formed. The task force was co-chaired by the President and Honorary Treasurer and included two board members, two past-presidents and two signatories from the letter sent to the Board. The task force presented its recommendation to the Board in November via a cover letter explaining their approach and a draft job description of the position. Subsequently, interest in the position was solicited, another task for the selection process was formed and details of their work have been finalized.

The formation of a new task force on cost and revenue sharing the sections and regions was approved and started work this year. Another task force on accessibility reported a very interesting case study on the Innes House at the fall board meeting. It is a great example of what civil engineers can do for the community. Further details on this task force were seen in the CIVIL magazine Winter edition. We have also added a new CSCE webpage devoted to accessibility which can be found at: <https://csce.ca/en/engineering-in-society/design-for-accessibility/>

Another new exciting initiative was to hold online webinars on a wide variety of topics that started this past fall. This is thanks to the Tech Talk task force led by Mike Bartlett and others. This is a great example of the sections, regions and National Office working together for the CSCE. The web site has an updated list and e-bulletins are emitted on new webinars.

We thank all who have renewed their membership for this year so you can continue to partake in the Society's community and receive all the great benefits. We also welcome the new members for 2021. As always, we need to continue to look into how to better to serve our entire civil engineering community.

I would like to acknowledge all the contributions of Lyanne St. Jacques, particularly the look and content of past issues of the CIVIL magazine. She left the CSCE this past year in September. However, her contributions are very much appreciated. We wish her all the best in her new endeavors. We also welcomed Peter George who joined the effort in putting CIVIL magazine together.

As I move to my new role as Past President, I want to take this opportunity to thank all of our volunteers in the Society, especially the National Management Committee (NMC) who worked really hard in our numerous meetings. As always, your ideas and volunteers are welcome and needed in all CSCE committees and divisions. Especially I would like to acknowledge our head office staff (Lois and Patricia) for their time and tireless dedication to the Society.

I wish all the best to our new president, Brenda McCabe, and the new members of the board in continuing the efforts to advancing the 2030 strategic directions. CSCE is proud to make strides towards gender equality in our profession but we need to continue our efforts to represent the diverse civil engineering community in our executive positions within Canada more closely.

As always, be seen, be heard and be relevant. We must all work together in this new world and hopefully will meet again in person at the 2022 CSCE Annual Conference in Whistler.

Best regards.

Report of the Senior Vice President

Wade Zwicker

Serving as Senior Vice President (SVP) over the last 12 months was certainly a pleasure and despite the challenges put on everyone during this pandemic, advances in video conferencing has led to better communication and interactions across this large Country. Continuing in the footsteps of previous leaders, keeping the lines of communication open and active is essential as we strive to work towards transparency and inclusion.

The role of the SVP is to be a connection between the Regions by chairing Regional Coordinating Committee (RCC), plus working with the Student Affairs Committee (SAC), the Young Professionals Committee (YPC) and the International Affairs Committee (IAC). Monthly meeting continued from last year but now using videoconferencing. The first one of my term was jointly chaired with the outgoing SVP, and current President Elect, Brenda McCabe. This transition ensured that the discussions continued from the previous year and items moved forward. The leadership of each of the Regional VP's and the Chairs of SAC, YPC and IAC are to be applauded as they too dealt with the challenges that isolation put on us and the initiatives each undertook. The assistance with their respective Sections and involvement in the Technical Talks has been great. Reports from all Regional VP's and Chairs of SAC, YPC and IAC follow this and so as not to steal their thunder, I will avoid repeating things.

The SVP also supports the Society by being on the Board and the National Management Committee (NMC). The Board meets twice a year, once in fall, typically November and once around the Annual Conference. The NMC meets more regularly as operational items arise and need to be dealt with, this year, these meetings occurred almost monthly. This year also saw the implementation of brief 30-minute morning coffee meetings held weekly with the President, President Elect and Honorary Treasurer to discuss issues of the Society and ensure communication and any follow up action needed.

Next, the 2020 annual reports from all the RCC committees are provided. I encourage our members to get involved in this exciting Society through mentorship, student sponsorships, and leadership opportunities.

Wade Zwicker

Senior Vice President

**Report the Vice President, International
Bing Chen, Ph.D., P.Eng., FCSCE, FEIC**

1. REPORT ON ACTIVITIES OF THE VICE PRESIDENT INTERNATIONAL

The Vice President (VP) International is a member of the CSCE Board of Directors and serves as an advocate for CSCE's international activities as a member of the Board. The VP International is also responsible for: Leading the International Region Council (IRC) and its operations; oversight of the International Affairs Committee (IAC) and assisting its activities and projects; overseeing and supporting Branch operations, developing Branch policy, and planning the development of new Branches; overseeing and undertaking international membership recruitment; advocating and developing services to international members; and overseeing the International Region and representing the interests of the International Region on the Regional Coordinating Committee and the Conference Committee. The IRC, IAC and Branches report to the VP International.

The IRC falls under the auspices of the regional structure of the CSCE and carries out the duties defined by the CSCE By-Law. It particularly plays a leading role in CSCE's recruitment and retention of international membership and institutional members international (IMIs), development and growth of overseas branches, services to international members and IMIs, representation of international members on other CSCE committees and decision making processes, and working with IAC and overseas branches in developing other overseas activities. It has been newly established in 2020.

The IAC handles all CSCE's foreign and international activities and projects related to the technical disciplines of CSCE. The exceptions include the sponsorships of some international and foreign conferences which may be handled directly by the appropriate Technical Divisions, the activities undertaken by the National Office in response to requests for information, and the activities of any CSCE Branch in a foreign country if outside specific bilateral agreements of cooperation. With the support from the IRC, the IAC develops, promotes, and implements

agreements of cooperation with foreign, national, and international societies. Formed in the 1980s, IAC has been one of the CSCE's most active committees and played a leading role in the international affairs of CSCE.

The CSCE Hong Kong Branch (HKB), the first and only overseas branch established in 2007, has been promoting the objectives of CSCE and Canadian practice of civil engineering in Hong Kong and its vicinity through organizing diverse professional and educational activities, growing partnerships with local government, industry and communities, and contributing to local civil engineering and profession.

1.1 Overview

Bing Chen (VP International) has been closely working with the IRC, IAC and HKB to promote CSCE and grow our international membership and partnerships across the globe. Based on the membership registration by December 2020, CSCE has more than 420 active foreign members from over 40 countries across the globe. Among them, around 230 foreign members are students and almost 40 associate/affiliate members. We have established 28 international agreements with foreign societies and associations and recorded 12 Institutional Members International (IMIs) in total. The detailed information is available on the CSCE International Region website.

The economic and social disruption caused by the pandemic in 2020 was devastating. Given the nature of the overseas operations and duties, the impacts on the CSCE International Region were significant and multifold. A large number of planned conferences/symposia/seminars, visits, PD workshops, exchanges, and other promotion and training activities, were cancelled or postponed due to the travel restrictions and local health and safety policy (e.g., lockdown and social distancing) as well as the stress and impact on our foreign members and partner organizations across the world. For example, the Ambassador program was not able to implement without any travel permitted; the first overseas technical course (on UHPC and FRC) was well planned in Hong Kong in February 2020 but called off at the last minute; the HKB faced successive challenges

caused by the prolonged unrest since 2019 and then the novel coronavirus outbreak.

Despite the unprecedented challenges and impacts in the past year, we continuously made efforts on sustaining our international partnership and memberships, providing benefits to foreign members, introducing new opportunities back to Canada, exchanging information with partner associations, and promoting Canadian civil engineering and civil engineering profession worldwide mainly through remote/online communications such as emails, tel/video-conferences and virtual events. The details are summarized in the sections below.

In the coming year, we hope that, with the growing vaccination and community immunity and better response strategies and treatment methods, the pandemic will be much more under control and our international activities will return to a normal level and gradually recover from the impacts. There will still be some challenges for implementing overseas activities especially when cross-board travels are involved due to additional travel requirements (e.g., approval of vaccination and quarantine). By following the corresponding health and safety policies, we should and will continue and enhance our efforts to grow our international partnership and membership particularly through the following: 1) developing new overseas branches and partnerships, sustaining IMIs, reactivating partnerships, implementing the Ambassador Program; 2) developing and co-hosting conferences and professional development activities with foreign partners especially by availing of virtual meeting tools and collaborating with other CSCE Regions and Technical Divisions/Committees; 3) promoting the new International Student Membership, recruiting members in this grade, and engaging foreign members in CSCE domestic and overseas events; 4) exchange of knowledge (e.g., websites and e-publications) and expertise with overseas partners; 5) continuity of the promotion efforts on practical and business opportunities in foreign countries for Canadian civil engineers and firms. The efforts will well align with and provide strong support to the 2030 CSCE Three Strategic Directions.

1.2 International Region Council

Considering the urgent needs, the current and former VPIs, Bing Chen and Brian Burrel, worked closely in the past year to develop the

inaugural IRC and secured the support from IAC/HKB and then the Board of Directors. According to the By-Law, the newly established IRC will be responsible for the following duties in CSCE international region:

- promote cooperation with other associations or orders of professional engineers internationally;
- promote co-operation with other foreign learned engineering societies in respect of such activities as are consistent with the objectives of the CSCE;
- recruit and sustain a healthy IRC by nominating and electing officers to the council and recommending Regional Vice-President to the CSCE Nominating Committee;
- recruit and sustain international members and IMIs and provide benefits to them;
- develop new overseas branches and support the growth of the existing ones (e.g., HKB);
- represent CSCE in overseas operations and work with IAC and overseas branches to develop partnerships and organize overseas conferences and other events;
- work with IAC and overseas branches to arrange official visits of CSCE officials to international partners and IMIs and vice versa, support student exchanges between IMIs and sustaining institutional universities in Canada, etc.; and
- work in support of the CSCE and its other Regions/Sections through co-hosting and promoting events and activities both domestically and internationally as well as activities related to the recruitment and retention of membership.

Note the differences between IRC and IAC: The functions of IRC more focus on the internal issues on how the society recruits and serves its international members, whereas the focus of IRC remains external on how the CSCE deals with foreign and international bodies or does projects outside Canada. The IRC falls under the auspices of the regional structure of the CSCE and the IAC is fundamentally a program committee to develop and carry out program activities outside of Canada related to the technical disciplines. They work closely in parallel and

support each other under the leadership of VPI.

The membership of the Inaugural IRC consists of Chair (Bing Chen, VPI), Deputy VPI (Ronald Dorse, former IAC chair and current member), Representative of IAC (Jeanne Huang, IAC Chair), Representative of Overseas Branches (TC Kan, HKB Chair), Treasurer (TBC), Secretary (TBC), and 1-2 members (representatives of International members). VPI is recurring the remaining members with several candidates identified. Another ongoing effort of the IRC is to organize the “International Perspective Webinars”. The first webinar was jointly hosted with the “National Tech Talk”. Invited by VPI (Bing Chen), the first speaker was Professor Van-Thanh-Van Nguyen (IAC Member) who gave the talk on “Linking Global Climate Change to Impact and Adaptation Studies at Regional and Local Scales: Advances and Challenges in Developing Engineering Technical Guidelines” on March 21, 2021. There will be 2-3 more webinars to be organized within this year.

1.3 International Student Membership

The CSCE has established a global reputation and partnerships with growing impact in recent years. There are increasing membership (over 420) and interest overseas especially from foreign students (over 230) both inside and outside Canada. These numbers demonstrate our achievements and indicate the great potential for our future growth in terms of membership and impact globally. However, we have been facing some critical challenges in managing and sustaining our foreign student members as well as in organizing our events (e.g., student competitions and online seminars), recruiting members and promoting our society overseas. The growing, urgent, multifold needs have been well recognized in terms of membership management and services, student event and conference/seminar organizing, and overseas branches and IMI development.

To address the needs, a proposal for establishing a new grade of “International Student Membership” was prepared and submitted to the Board of Directors in February 2021 by VPI (Bing Chen), Chair of Student Affairs Committee (Charles-Darwin Annan) and Chair of Student Competitions Committee (Jeremie Aube). The proposal was based on a series of meetings and discussions

particularly in the last year by VPI, Chairs of SAC/SC, President-Elect (Brenda McCabe), Senior VP (Wade Zwicker), Director of Administration and Events (Lois Arkwright), and Treasurer (Patricia Ricci). The proposal resulted in the motion (i.e., “to establish a new member grade which will be named International Student”) adopted unanimously by the National Management Council meeting on March 1, 2021. By establishing this new grade, there would be substantial benefits and impact:

- streamline our management of student members, competitions and events
- provide more benefits in a more efficient way (esp. through online activities and information) to our student members in and outside Canada
- create a better sense of belonging to CSCE and increase the likelihood of those foreign students becoming foreign regular members when they graduate
- support our membership recruitment overseas
- support our recruitment of Institutional Members International and international partnerships
- support our ongoing efforts in developing overseas branches and corresponding student chapters
- bring more opportunities back to Canada and Canadian civil engineers
- increase our exposure and visibility on the international stage
- promote Canadian civil profession and civil engineers overseas

Correspondingly, the online application for student membership has been revised to reflect the addition of the new grade and will be implemented soon.

1.4 Operation of IAC and HKB

Jeanne Huang has been chairing the IAC since March 2019 along with Sadegh Kazemi as the Deputy Chair. The implementation of IAC’s plan in the past year was strongly affected by the Covid-19 but the members made continued efforts in maintaining active as much as possible through diverse activities. TC Kan has been leading the Executive Committee of CSCE HKB along since January 2019 along with Ben Chan as the Vice-Chairman. The HKB faced significant challenges due to the influences of the unrest and then the pandemic but they managed to organize/participate in some local activities. Their efforts during the difficult time are

commendable. The detailed descriptions of their activities are presented below.

1.5 Overseas Partnership Development

Despite the impact of the pandemic, Bing Chen (VPI) and IAC kept making efforts in strengthening our existing international partnerships and developing new ones.

A new partnership was under development with the Mongolian Association of Civil Engineers (MACE) through the communications between VPI and the Executive Director of MACE. They showed interest in developing a cooperative agreement with CSCE and participating in CSCE events such as the AGM 2020 in Saskatoon that was unfortunately cancelled due to the Covid-19. Bing Chen (VPI) spent time on reactivating our existing agreements and partnerships overseas. One example was the reconnection with the Chinese Society for Environmental Sciences (CSES). As a result, they will participate in the CSCE/ASCE/ICE Triennial Conference on May 25-26, 2021 and the CSES Deputy-Secretary-General (Mr. Bin Peng) will give a keynote speech to introduce the sustainable water infrastructure and climate change policies in China. They have also invited CSCE leadership to visit them and attend their annual conferences. Discussions are ongoing on how to enhance collaboration and bring benefits to the memberships of each other.

Continued efforts were made by the VPI to develop new overseas branches. Driven by the identified interests, communications started in 2019 on the possibility of establishing a new branch in Egypt with an intention to cover the Middle East where CSCE has over 40 foreign members and growing numbers of student members as well as potential opportunities for Canadian civil engineers and firms. The communications continued in the last year with interruptions by the Covid-19. The discussions focused on the details about the leadership, management, responsibilities, visions, and finance of the potential branch and relationships with the society.

There was a new interest recently identified in Nigeria where the membership was gradually growing (around 20-30 foreign members in recent years). VPI was communicating with Ben-Osy Okoh, a potential champion, and exploring the possibility of establishing a new branch in Nigeria covering Western Africa. Mr. Okoh has extensive experience in civil practice and is a Fellow of the Nigerian

Society of Engineers (NSE) and Fellow of ASCE. He has also played a leading role in diverse positions of civil engineering associations in Nigeria such as General Secretary and Chairman of Nigerian Institution of Civil Engineers Abuja and Vice Chairman of NSE Abuja.

The existing partnerships with the Chinese Hydraulic Engineering Society (CHES) were continued through the keynote speech of CSCE President (Catherine Mulligan) and connections by IAC chair (Jeanne Huang).

2. REPORT OF THE CSCE INTERNATIONAL AFFAIRS COMMITTEE

The following summarizes the main activities and outcomes by the IAC, based on the report prepared by IAC Chair (Jeanne Huang, PhD, PEng, FCSCE) and IAC members.

2.1 Overview

The IAC is chaired by Jeanne Huang and currently has 13 active members. IAC’s activities include both foreign projects and domestic activities within Canada. The IAC is mandated to plan and carry out CSCE’s international activities, undertake its international development projects, and keep CSCE members aware of civil engineering research, practise, opportunities and major projects in foreign countries. IAC interacts 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 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 sponsorship of international and foreign conferences, which are usually handled directly by the IRC and/or appropriate Technical Divisions; activities undertaken by the National Office in response to requests for information, and; the operation of any CSCE Branch in a foreign country if outside specific bilateral agreements of cooperation. Information on IAC can be found on the committee’s web pages, which are regularly updated with support from the National office.

2.2 Technical Delivery Activities

Due to the pandemic COVID-19, many places where IAC planned to have activities were locked down or strictly controlled for non-critical travels in the whole year of 2020.

It brought many challenges for IAC to implement its work plan. However, during the difficult time, IAC members worked together and still made some good progress as the followings:

The IAC chair (Jeanne Huang) and members had made contributions to the theme of the Civil Engineering Triennial Summit 2021. Jeanne Huang introduced the Summit to the World Federation of Engineering Organizations (WFEO) during the Working Group on Water committee meeting of WFEO in Oct 2020. She also helped the connection with this world-leading engineering organization and explored collaborative opportunities for CSCE.

In China, the CSCE continuously collaborated with our partners from government, universities and professional associations and gave non-financial support to and co-organized several flagship events (although most of the events in 2020 were cancelled or postponed). For example, the Chinese Hydraulic Engineering Society (CHES) Invited CSCE President, Catherine Mulligan, to give a keynote speech on the opening of the CHES Annual Conference 2020 through the effort of Jeanne Huang and IAC. Prof. Mulligan's virtual speech was well received and greatly appreciated by CHES. This helped the long-term effective partnership between the two societies. IAC members, Andrew Liu and Ming Zhong, also contributed to organizing the 6th International Conference on Integrated Land-use Transport Modeling (ILUTM-6) in December 2020, with the CSCE as one of the sponsors (without financial commitments).

Globally, the IAC members made continuous efforts in developing contacts and activities and promoting CSCE and Canadian civil engineering in the other countries, such as Brian Burrell (former VPI) as Liaison Officer for Hong Kong, Macau and Taiwan Philippines, Sadegh Kazemi (IAC Deputy Chair) as Liaison Officer for Iran, Van-Thanh-Van Nguyen as Liaison Officer for Southeast Asia, Ron Droste as Liaison Officer for Malaysia and Mongolia, Rishi Gupta (former IAC Chair) as Liaison Officer for India etc. In addition, IAC members also contributed to CSCE domestic events. For example, Van-Thanh-Van Nguyen recently gave an invited seminar in the National Tech Talk.

The level of activity will resume gradually when the pandemic situation permits. IAC's

efforts will be continuously made to grow overseas partnerships, develop activities to further engage the active relationships, and grow new ones worldwide.

3. REPORT OF THE CSCE HONG KONG BRANCH

The following summary highlights the major activities of the CSCE Hong Kong Branch (HKB), reported by the Chairman of HKB (TC Kan, MCSCE) and the HKB Executive Committee members.

3.1 Overview

The CSCE International Region includes all CSCE membership outside of Canada in various countries with differing cultures, languages, and economic and political systems. The CSCE aims to increase international membership, maintain contact with international members, improve benefits for international members, and recruit Institutional Members International (IMIs). The International Region has Branches, not Sections, with branches being semi-autonomous organizations set up under the laws of a foreign country. The CSCE Hong Kong Branch (HKB) is the first overseas branch launched in Hong Kong in May 2007. It has been officially incorporated as a non-profitable learned society under the Hong Kong Business Registration Ordinance since August 2009. It has been promoting the objectives of CSCE, as Canadian civil engineers in Hong Kong are actively engaged in planning, design and construction of buildings and infrastructures in the local community.

3.2 Activities Cancelled due to the pandemic in 2020

The year 2020 was a difficult year for the Hong Kong Branch and many planned activities were cancelled due to the social distancing policy in the local community and the restrictions for visitors on entering Hong Kong during the global pandemic throughout the year. The major activities cancelled included:

- One-day CSCE overseas technical course on "Structural Use of Ultra-High Performance Concrete and Fibre Reinforced Concrete",
- Joint Conference with The Institution of Structural Engineers Hong Kong Regional Group on the theme of "Leading-edge Design and Construction Technologies in Structures",

- Student Canada Visit Programme to Toronto,
 - Special Annual Dinner 2020 (the most important event for the HKB to make connections with the local stakeholders from government, industry and communities), and
 - Annual General Meeting (AGM) 2020
- In addition, the adverse impact extended to render our suspension of the regular Executive Committee (EC) meetings, Student Chapter meetings, and the AGM 2020 which was supposed to be the election year for a new tenure of EC. As agreed to the EC, the election was postponed to AGM 2021.

3.3 Activities organized in 2020

Despite the various, adverse impacts of the pandemic, the HKB and its Executive Committee made diverse and significant efforts on keeping the bench as active as possible such as by organizing the following events:

- Technical visit to T Park on January 18, 2020 – T Park is a unique facility combining advanced technologies of sludge incineration, power generation, seawater desalination and wastewater treatment in one self-sufficient complex.
- Participation in the following conferences organized by the other professional bodies in the capacity of a supporting organization:
 - Hong Kong Institution of Engineers (HKIE) Environmental Division Annual Forum on the topic of "Decarbonisation – How do we prepare for the Transformation";
 - Business Environment Council (BEC) EnviroSeries Conference with the theme of "Business Sustainability in the midst of Disruption, Turbulence and Recovery"; and
 - Institution of Civil Engineers (ICE) HK Association Annual Conference 2020 on the topic of "Worldwide Advances in Planning, Design and Construction of Infrastructure.
- Contributions to the charity event of Hong Kong Terry Fox Virtual Run as a supporting organization.

The HKB hopes to resume and even increase the activities in 2021 and implement its work plan whenever the pandemic situation and policy permit. While following the local health and safety policies, they will continue

their efforts on developing activities and growing the branch and impact in Hong Kong and its vicinity.

4. CONCLUDING REMARKS BY THE VP INTERNATIONAL

It was an unprecedented, challenging year in 2020 for CSCE International given the significant adverse impact of the Covid-19 and the associated travel restrictions on our operations and activities overseas. However, through the important efforts of our IRC, IAC, HKB and many foreign members, we have made good progress and achievements by organizing and contributed to professional activities worldwide, recruited and created benefits for foreign members, and actively promoted Canadian civil engineering globally. On behalf of CSCE International Region, I would like to thank our CSCE IRC, IAC and HKB chairs/members for their passion, dedication and great efforts in continuously promoting our society and Canadian civil engineering globally during this difficult time. We also appreciate the support and help from the CSCE Board of Directors, the National office, other committees/sections and many member volunteers for their support and contributions to our international activities and programs. We believe we will overcome the challenges of the pandemic and continuously provide service to our members overseas through diverse activities and forms in person or virtually and promote the civil engineering profession across the world!

Bing Chen, Ph.D., P.Eng., FCSCE, FEIC
Vice President International

Young Professionals Committee

Chair: **Rami Mansour**

The mandate of the Young Professionals (YP) Committee is to provide services and programming for students and young professionals that will assist them in the development of their careers. This mandate supports the CSCE's Strategic Direction 2, which is dedicated to the promotion of Civil Engineering to all.

The YP committee's continuing initiatives include providing support and funding for section networking, mentoring and youth outreach events. In 2019 the YP committee provided financial support to 10 events in 5 different CSCE sections, in addition to YP

events at the 2019 annual conference. This financial support allows active sections to put together more events, which attract and engage young professionals. Due to the cancellation of in person events in 2020, the focus of the young professional committee has shifted to providing support to digital events. This includes sitting on the task force for the CSCE Tech Talks program. The YP Committee remains prepared to support all sections with in-person events, which may start in the fall of 2021.

This year, the CSCE YP committee is planning a digital event in the form of a panel discussion. This panel discussion will explore topics on how to manage expectations, stress, and how to succeed in new positions. This event will be available to all CSCE young professionals, and any other CSCE members that wish to participate.

The young professional articles in the Canadian Civil Engineer continue to bring

representatives from all over Canada. The current committee consists of members from 12 different sections, from Vancouver Island to Prince Edward Island. The full list of current membership is provided on the following page. The committee has a conference call each quarter to discuss the various opportunities for young professionals at each section. Section representatives are able to use these calls as a forum to share, learn and be inspired on how to better engage with young professionals. These meetings are also used to gain feedback on how the CSCE can better engage young professionals, which can be shared with the CSCE organization as a whole.

Guided by the Strategic Directions of the society, our committee will continue working towards our goals including: increasing the number of local YP section events and bridging the gap between student members and associate members.

Table 1 - 2021 CSCE YP Committee Members

Name	Position	Email	Region
Board Members			
Rami Mansour	Chair	rmansour@systra.com	Board
Alex Drover	Secretary - Vancouver	alexdrover@gmail.com	Board
Tyler Dickens	Treasurer - Vancouver	tdickens@core6.ca	Board
Section Representatives			
Sarah Faithful	Calgary	Sarah.Faithful@wsp.com;	Western
Dani LeBlanc	East New Brunswick/PEI	dani.leblanc@royconsultants.ca	Atlantic
AJ Darras	Edmonton	darrasaj@gmail.com	Western
Pauline Fuentebella	Edmonton	fuentebe@ualberta.ca	Western
Tucker Morton	London	tmorton@dillon.ca	Ontario
Rami Mansour	Montreal	rmansour@systra.com	Quebec
Matt Glynn	Nova Scotia	glynnm@halifax.ca	Atlantic
Eric Tynski	Nova Scotia	ETynski@dal.ca	Atlantic
Laird Ferguson	PEI	a334e@unb.ca	Atlantic
Hamza Abdel-Aziz	Quebec	Hamza.Abel-Aziz@snclavalin.com	Quebec
Ashley Hodgson	Saskatoon	hodgsona@ae.ca	Prairie
Matthew McGrath	Toronto	MMcGrath@rvanderson.com	Ontario
Joe Salkeld	Vancouver Island	jsalkeld@seng.ca	Western
Lucas Storey	West New Brunswick	lstorey@dillon.ca	Atlantic

attention to important topics that are relevant to young professionals. In 2020, the YP articles have highlighted the importance of support networks for young professionals, promoting civil engineering to all, and collaboration for career development. These articles are one of the many forums being used by the committee to provide outreach to young professionals, while also adding value to CSCE membership.

Each year, the YP committee continues to expand its footprint by recruiting section

Rami Mansour, MASC., P.Eng
Chair

Student Affairs Committee
Chair: **Charles-Darwin Annan**
Members: **John Gales, Alan Lloyd, Ali Imanpour, Saber Moradi**

At the beginning of 2020, the Student Affairs committee continued its effort it started in the

2019-2020 school year, engaging with students, supporting them with resources, and providing guidance. Then, there was the global pandemic which shook both the committee's activities and the activities of student chapters across the country. The majority of the planned activities, including the student chapter leaders workshop (often held in-person during the annual conference), the national civil engineering CAPSTONE design competition, the student research paper competition, the Canadian Steel Bridge (CNSBC) and Concrete Canoe Competitions (CNCCC), were all cancelled. Student chapters were still requested to submit their annual reports. Annual reports were received from 14 student chapters across Canada, compared with 26 received the previous year.

In September 2020, at the beginning of the new school year, the activities of the committee were revived with a new initiative to provide opportunities that stimulate early professional consciousness in students, and to amplify the voice of students and solidify their place in the society. The CSCE Student Champions was birthed after the committee held a first-of-its-kind meeting between CSCE student chapter leaders across the country and the leadership of CSCE comprising the current CSCE president (Catherine Mulligan), the current past CSCE president (Michel Khouday), the incoming CSCE president (Brenda McCabe), the senior vice-president (Wade Zwicker) and some members of the Student Affairs committee. The CSCE Student Champions have a mandate to liaise between the student membership and the CSCE leadership. They will be assigned specific tasks relevant to students, and be expected to engage their student membership and present possible solutions to the CSCE leadership. The CSCE leadership will provide guidance and direction throughout the process. The Champions introduced themselves and their mandate in the Student Voice column of the Winter 2021 edition of the Civil Magazine. The Student Affairs committee provided content in every single edition of the Civil Magazine.

At the last quarter of the year, discussions picked up on **establishing international student membership**. This was done in collaboration with the CSCE International committee.

Also in the last quarter of the year, a lot of effort was put into reviving all the student

activities and competitions to be held in 2021. This was done in collaboration with all stakeholders, especially the CSCE student competitions subcommittee.

The constitution of the Student Affairs committee remained unchanged in 2020. The committee would like to express a heartfelt gratitude to all who assisted in diverse ways to negotiate this extremely difficult period.

Chair: **Charles-Darwin Annan**, Ph.D., PEng.

Western Region

Vice President: **MacKenzie Walker**

Treasurer: **Rishi Gupta**

We relaunched the Western Regional Council with regular participation from each of the sections. We have sections in Calgary, Edmonton & Northern Alberta, Vancouver, and Vancouver Island. Our region is also expanding with the creation of a new section for Northern British Columbia. The section will be based out of Prince George and chaired by Jianbing Li from UNBC. More updates on the Northern BC section will be coming this year.

The pandemic has normalized video meetings and virtual events which has turned our biggest challenge into an opportunity as we can more readily able to reach members, both locally and more broadly. The western region sections have begun to coordinate cross-advertising of virtual events to reach a wider audience.

The CSCE 2022 National Conference will be in Whistler, BC and is being jointly hosted by the Vancouver Island and Vancouver sections. The Local Organizing Committee (LOC) has been meeting bi-monthly and we look forward to seeing you all there and most excitingly, in person!

Vancouver Island

Chair: **Jonathan Reiter**

The section has had reduced activity throughout the pandemic and has not had an executive meeting since the fall. Members of the section executive are focusing efforts on the 2022 Whistler conference LOC. The section has been encouraging members to attend virtual events held by others including

the Vancouver and National webinars series.

The UVIC Student Chapter has relaunch and has successfully organized events for students with some support from the Vancouver section as well as the UBC and BCIT chapters.

Calgary

Chair: **Candice Lukaszewicz**

The pandemic disrupted the lives and plans of the section executive and resulted in the cancelling of most of the events in 2020. Although the pandemic is not yet gone, the section has now successfully transitioned to virtual events which have received positive feedback so far. A highlight was the popsicle bridge competition where attendees enjoyed being able to see the bridge failures right up close which was a benefits of virtual event format.

The section carried over their sponsors as the pandemic cancelled most events in 2020. The new year is starting off strong with two new sponsors. The section is also continuing to build partnerships as they have organized a joint young professionals' event with ITE for the fall along with their student activities including the upcoming poster competition.

Vancouver

Chair: **Luis Valenzuela**

This year was a period of learning, adaptation, and improvement but the section succeeded due to the commitment of a full executive. Thanks to the efforts and collaboration of the executive, they were able to continue to hold events for members through a dynamic virtual platform. The section had four total events with an average attendance 35-45 for each. After each presentation, the section provided a 1-hour PDH certificates to the attendees and created an unlisted YouTube channel to share the recording of the events with members.

The section continued to support and maintain a strong connection to both the UBC and BCIT Student Chapters. This included three CSCE student scholarships for each institution. The section plans to continue to organize virtual events that offer members

networking and learning opportunities within the Lower Mainland area.

Edmonton and North Alberta

Chair: **Eugene Hsung**

The year started late but successfully transitioned to an online event format. The section delivered a full slate of seven presentations. In addition, a tech tour was held in person and well attended in the fall while adapting to all provincial health regulations. The section will continue to develop strategies to manage the transition 'back to normal' as they access the balance of in-person and digital events.

The section made special efforts to reach membership including a Christmas letter mailed to those not likely reached through email newsletters. Edmonton Section provided local awards for the Larry Gerard Paper Contest, the Graduate Poster Competition, and CSCE Student Scholarship. Thanks to local sponsors who have continued to support through the pandemic and the outgoing executive members for their resilience through this challenging year.

Vice President, Western Region:
MacKenzie Walker

Prairie Region

Vice President:

The primary focus of the three Sections within the Region during this unprecedented reporting period was to remain relevant within the local civil engineering community. With no potential to organize traditional in-person events, the nucleus shifted to ensuring that the notifications from the National office reached to all their respective constituents and encourage their participation. Of prime importance was not only to promote "Tech Talks" but also to identify and then host speakers and presenters from the Region for these newly instituted weekly webinars to further enhance involvement. Up until now, this platform has provided two great presenters from the Region to showcase local projects to national (and some international) audience.

The Region also had its share of challenges

with the loss of momentum, combined with the trends that were being observed in early 2020 has really saddled the entire executive team. The Manitoba Section Chair has decided to step down, which requires filling that void during the coming period. Majority of the executives are young engineers doing their best to make peace with the new reality and coping with working from home as well as trying their best to give back to the profession through CSCE. The forthcoming few periods will define and hopefully establish how the Sections can still remain relevant during the present times but return to better times when normalcy returns.

Vice-President, Prairie Region,

Ontario Region

Vice President: **Peter Calcetas**, B.Eng., M.Eng., P.Eng., MBA, FCSCE, ENV SP, LEED GA

Ontario Region Summary

The Ontario Region has responded to the pandemic by pivoting toward collaborative social connectivity, education and earnings through program development. Together, we are the reactivating Hamilton & Kingston Sections along with ongoing support toward revitalizing the Ottawa Section. The Toronto Section is continuing to gain strength and is supported by the Durham Section's strong collaboration. We continue to promote talent development and succession planning to our organization by instigating a grooming and mentorship for CSCE Executives. "Deputy" positions are intended to facilitate training and familiarity with key roles in leadership. For the Ontario Region: Deputy Regional VP - Alexandre Andrenkov, Deputy Treasurer - Anastasia Makeeva were created to add resilience to the leadership of the Region. An additional Deputy Regional VP for Operations is being considered.

Transformational initiatives under the Sustaining Earnings Committee with strong support from the Ontario Region, include:

1. Leading the Committee for Sustaining Earnings, Nationally and Regionally,
2. Securing almost \$600,000 in funding from the Ontario Ministry of Labour, Training and Skills Development for the creation of the *Sustainable Climate Resilient Infrastructure Certificate* with academic partner McMaster University,

3. Negotiation and development of an exclusive partnership with the Institute for Sustainable Infrastructure to administer the rating system ENVISION Canada
4. Strong contributions to the National Webinar Series both as members of the committee and content providers,
5. Partnership agreement negotiation with Spannovation on behalf of the Education Certificate Awards Committee to commercialize the Bridge Analysis Certificate.

Enhanced Member Services and Civil Engineering for All:

The Region supported and encouraged the facilitation of the delivery of content and events led by Toronto Section and supported by Ottawa Section along with Student Chapters. In a further expansion of Member Services, the Region initiated the revitalization and/or re-establishment of three (3) Sections, Ottawa, Kingston and now Hamilton. Ottawa was quite active in recent years, and abruptly slowed down. Kingston, was dormant for a number of years and is now being revitalized. Hamilton Section is a target for re-establishment, securing Dr. Greg Zilberbrant as Chair. The potential for a prospective Waterloo Section is on hold once a Chair and Executive Team can be recruited, much like the Hamilton Section. The Region also participated in National Level Webinars in UHPC, Envision: Sustainable Infrastructure rating system, Circular Economy, Bridge Design and Water Resources, along with ongoing locally developed content in water resources, building, structures, infrastructure.

Leadership in Sustainable Infrastructure:

The Region, in collaboration with the Envision Sustainability Committee, the National Webinar Committee and the Sustaining Earning Committee, has helped lead the charge toward making Civil Engineering more accessible and relevant to Civil Engineering Enthusiasts and the General Canadian Population.

Ottawa Section

Vice President:

Mazen Chaaoui, M. Eng., EIT.

edited by Peter Calcetas

After a hiatus, the CSCE National Capital Region (Ottawa Section) has resumed operations with a new team of executives and have started to build the section again from the ground up. The current team is comprised of

three executives and a strong relationship with the student chapters at Carleton and Ottawa University. As part of rebuilding the chapter the team's mission is to establish a true sense of community among civil engineers, recent graduates, and students. The strategy established to achieve this goal is as follows:

- Establish a strong working relationship with the student chapters.
- Target events towards Students, recent grads, and early career engineers
- Host free interactive events in order to reach the widest audience, show the value of CSCE and establish CSCE as a local presence.

Prepare a "growth plan" to facilitate the transition into a larger team, and larger reach. Establishing and strengthening the relationship between the Ottawa section and the student chapters was the most important objective for the 2020-2021 year. Since resuming operations in September, the Ottawa Section has gone on to host 2 joint events with the student chapters, participate in multiple student events, establish a VP of Student Affairs position, hold monthly meetings, establish a direct line of communication Via WhatsApp, and is piloting a research program based on local projects in the City of Ottawa with the student chapter. The strong relationship that has developed between the Ottawa and student chapters allows for enhanced collaboration, an improved sense of community, and a stronger student attachment to the CSCE organization. The Ottawa Section has exciting plans to further deepen this connection and help develop the next generation of civil engineers.

The Ottawa section hosted four events since resuming with success and with lessons learned. A summary of the events as follows:

1. Introduction to Structural Modeling Webinar:
 - a. 1 hour webinar on what structural modeling is, FEA Theory, modeling based on i c s , model refinement, model validation, and interactive examples.
 - b. Event was intended for new grads and EIT's however there was large portion of senior engineers, and industry professionals who attended.
 - c. LinkedIn advertisements do not have a strong reach to students but is excellent for EIT's and professionals.

2. EIT Panel and Trivia Night:
 - a. 1.5 Panel with Industry EIT's being interviewed by the host, asking audience questions, and ending with a interactive trivia. The trivia consisted of "undergrad" engineering questions assembled by the CSCE student chapters.
 - b. Both the Panel and Trivia portion was very successful with both panelists and attendees.
 - c. This was our first joint event with the Carleton University student chapter.
3. CSCE Social Night:
 - a. The Ottawa Section and Local student chapters held an Internal zoom call to socialize, get to know one another, and play some online games.
 - b. This night was beneficial in learning the personalities and background of the student executives and developing a more personal relationship.
4. Interview Panel and Workshop:
 - a. The Ottawa Section and Carleton chapter held a joint event consisting of panel of industry professionals, and an interactive interview workshop where student had the opportunity to practice their interview skills with the panellists in 3 on 1 "speed" interview sessions.
 - b. Both the Panelists and attendees found the event very beneficial, with a few students securing jobs after the event.
 - c. Live streaming on YouTube requires a large effort with small benefit. Organizing on Zoom would have been significantly better. Live streaming would not likely be warranted unless we had a very large reach.
 - d. Both the panelists and attendees would have liked more time in the interview sessions.
 - e. Panellists were excited to participate, and all said they would do so again.
 - f. Event helped build a stronger relationship with the panelists/companies and there is a strong opportunity to involve these companies again and obtain sponsorships.

Progress and Next Steps:

Since resuming operations, the Ottawa section has re-established its presence in Ottawa with the local student chapters, and companies. The CSCE Ottawa LinkedIn page has grown from 0 to 150 followers and is continuing to grow. Local interest in volunteering for the section has increased, and student participation continues

to grow. The Ottawa Sections next steps consist of growing the executive team, further strengthening the relationship with the student chapters, establishing industry representatives within local companies, and obtaining local sponsorships.

Kingston Section

Vice President: **Anastasia Makeeva**

edited by Peter Calcetas

While off to a good restart pre-pandemic, the re-founding Chair, Ms. Anastasia Makeeva was temporarily relocated back to Toronto for work reasons, where she continued her CSCE involvement at her "Home Section". As Kingston has a significant number of students and professionals from out of town, the series of lockdowns have, rightly so, reduced social gatherings and the need to relocate. As the permanent location for our Chair is uncertain, Ms. Makeeva suggest that she change her role to Advisor to Kingston Section and we begin recruiting for a new Chair to help us establish this group. Happily, CSCE has been able to pivot by providing services like the National Webinar Series, along with Section driven services and content.

Toronto Section

Vice President: **Paraskevas Mylonas**

edited by Peter Calcetas

In September 2020, Paraskevas Mylonas joined the section as the new incumbent chair and a series of organizational structure improvements were initiated. Committee departments including Awards, Digital Marketing, Events, Sponsorship, Operations, Academic Liaison and Treasury were strategically mandated to have managers with assigned trained successors. Divisions and roles were defined to enhance efficiency and avoid overlap of responsibilities in the Section's operations. To maximize volunteer productivity, the Section developed its first "CSCE Toronto Executive Handbook" based on available information from the CSCE National Office and per sections by-laws. Lastly, work flow of the section was improved by establishing interim monthly meetings with department managers to better integrate team activities and accelerate the progression of scheduled tasks.

The 2020 strategic plan of "Section Rebranding" resulted in an outstanding number of attendees to the Section's events. This was achieved by releasing regular promotional content and maintaining a consistent and more

interactive online presence through Instagram, LinkedIn, and YouTube pages. Furthermore, the newsletter design was modernized and its contents condensed to appeal to the target audience. Lastly, the Sections website was also redesigned, improving its functionality and introducing an onboarding procedure to encourage CSCE members to join the volunteer team.

Looking to increase the Section's sources of income, the Sponsorship Package was revised; leading to a restructure of available sponsorship levels and leveraging social media presence to add value. Since then, the Section has welcomed three new sponsors, one for each level. Furthermore, to better update and trace monetary transactions, a Section's financial invoice and receipt template was created.

Another pillar of the strategic plan for CSCE Toronto was to branch out to colleges. This goal was achieved by launching Section's first College Chapter at Humber College. The Section will continue to collaborate with Humber College to strengthen their foundation and guarantee their success. Similarly, the Section remains committed to the affiliated university chapters, most recently by sponsoring the York University Civil Industry Night event and presenting CSCE Toronto Section scope of activities at the event for Civil Engineering industry professionals and students.

In terms of awards and certifications, the Section was honoured to assist in designing and publishing the National Award Posters for the entirety of the career and organizational awards offered by the National Office. Internally, the Professional Development Hour (PDH) Certificates were upgraded and the PDH generating process was streamlined, thus increasing the value of the Section's events to participants. Lastly, first in its kind and exclusively for the Toronto Section the Skyward Leadership Award was created, and awarded to Alexander Andernkov, former Chair and current Ontario Deputy VP/ Section advisor for his leadership role in the past years with CSCE.

London Section

Vice President: **Julian N. Novick**
edited by Peter Calcetas

Activities in the London Section have been on hold since the start of the pandemic. Early on we ran one online talk jointly with CSCE National. Since then the London Section

has supported an online career event WSCE. Looking to the future we are monitoring the situation and we want to start hosting small, in person events when it can be conducted safely.

Durham Section

Vice President: **Monica Ruiz**, P. Eng.
TCSCE-DN is a Section of 203 members with a geographic service area ranging from just east of Toronto to Kingston, Ontario.

Our primary section activities in 2020-2021 (to date) were changed due to the pandemic from Luncheons to Webinars. Our format is to present a talk of interest to the civil engineering community in the lunch hour. The webinar is offered free of charge and last 1.0hr.

<p>Oct 16, 2020 Webinar partnered with the Toronto Section "LID's & Green Infrastructure: Smart Blue Roof Project"</p>
<p>Nov 19, 2020 Webinar talk on "Towards a Climate Resilient Transportation System" by Mani Rajendran, MSc.Eng., P.Eng and Ian McVey, MES, B.Comm from Durham Region</p>
<p>February 25, 2021 Webinar talk on "How can I do it right? The journey to successfully incorporate utilities in your projects." by Blaine Hunt, P.Eng from T2 Utilities Engineers</p>

Vice-President, Ontario Region
Peter Calcetas

Quebec Region

Vice President:
Frédéric Brunet, ing., M.Sc.A, MSCGC

Not surprisingly, the 2020 season was very disrupted. Indeed, all student chapter activities were cancelled at the beginning of the pandemic. It was not until late summer and early fall that activities resumed gradually and virtually. However, most student chapters have only partially resumed their activities, since the universities are only partially open.

Chapters that have restarted their activities have adapted to the current situation by conducting almost all of their events in virtual

format. This digital shift has also highlighted the benefits of holding conferences in a virtual format. For example, it is possible to reach members who live in the regions and who cannot participate in our events in normal circumstances. Also, the possibility of having speakers from anywhere in the world, without incurring additional costs. The Virtual Tech Talk organized by the webinar committee are very good examples of this virtual shift. For the Quebec Region and for our company as a whole, these presentations have ensured an offer of continuous training to our members in addition to offering great visibility to our sponsors and partners.

As this situation is expected to continue for some time, it will be important to put forward strategies to continue to engage our members. The Quebec Region committee will continue to meet every two months and will continue to discuss the issues we are facing, propose visibility strategies for our partners and ways to support and assist chapters and sections in difficulty.

We are confident that the worst is now over and that the next year will be easier, now that we have adapted.

Montreal Section

The Chapter Executive Committee was chaired by Jennifer C. Tran while Sara Rankohi served as Vice Chair. In addition, Sebastian Apari joined the Section Executive. In total, six members from engineering and general contracting firms make up the Montreal section Executive.

Before the pandemic struck, the committee organized its traditional career forum for the sixth consecutive year. During the evening, four engineers who have had a remarkable career presented their career paths. Students and professionals were invited to attend their testimonials and to continue the evening with a networking session with wine and appetizers. In addition, for the month of February, the section held a conference on the planning of the construction of a new university building.

Normally, the Montreal section holds six regular conferences, held on the last Monday of each month. As the pandemic has forced the cancellation of these conferences, the Montreal section has decided to participate in the national initiative put in place by the webinar

committee. Indeed, members of the Montreal Executive have joined this new committee. In addition, the Montreal section has been promoting the national webinars to its members and suggesting topics for the conferences. These nationwide virtual conferences have been very well received by all our members.

Finally, in order to improve services to members, the section once again this year participated in a meeting on collaboration between professional associations in Montreal. These meetings were aimed at maintaining links with other groups such as the Young Bar Association of Montreal, the Young Chartered Professional Accountants of Quebec and the Young Professionals Forum of the Association of Consulting Engineers of Quebec, to name a few. This year, members of these groups were able to share their strategies for dealing with the pandemic as well as new ideas for virtual events.

Quebec City Section

The new chair of the Quebec City section is Hamza Abdel-Aziz. In total, the committee is composed of twelve members from engineering firms, the Quebec Ministry of Transport, product manufacturers and Laval University, among others. Also, representatives from the student chapter have sat on the chapter committee. This collaboration between professionals and students helps maintain a strong bond and facilitates the retention of student members. It also allows the section to ensure that the student's chapter has all the tools and support to function well and be active throughout the year.

As with the vast majority of chapters and sections, the pandemic forced the cancellation of several events planned by the Quebec City section. However, once the situation stabilized, the members of the executive committee worked to organize virtual conferences. Thus, a total of five conferences were offered to members. These conferences dealt with the challenges of carrying out infrastructure projects in northern communities, the construction of a 3 to 4 storey university faculty in solid wood, the economic and environmental analysis of the life cycle of aluminum decking for road bridges and the energy optimization of multi-storey greenhouses for local agriculture. The committee tested which time slot would

reach a greater number of participants. The results showed that the lunch and learn format was the best.

Also, as part of the webinar committee's national initiative, the Quebec City section held a Tech Talk that was attended by over 300 people. This conference presented the lessons to be learned from the collapse of a gantry crane in the province of Quebec.

Finally, one of the 2020 goals that the committee had set before the pandemic occurred was to expand the target audience for its conferences. To this end, the holding of virtual conferences has made it easy to achieve this goal. The section's goal for the coming years is to offer both virtual and face-to-face conferences. This objective is in line with the strategic direction of CSCE to improve services to members.

Sherbrooke Section

Due to the pandemic, the members of the Sherbrooke section's executive committee have decided to cancel all their activities. Remember that since 2015, the student's chapter of the University of Sherbrooke as well as the professional chapter were combined to create only one committee. This decision was made because the chapter was not very active and in order to revive in the best possible way, was to combine its efforts with those of the student's chapter. As a result, and since universities were forced to close during the past year, the chapter's activities were suspended.

With the return to normalcy, the executive committee, led by Maxime Bourdeau and David Boulay-Haineault, intends to become as active as it was before the pandemic. It should be noted that in the past few years, the committee has organized about fifteen events per year in the form of conferences, site visits and networking evenings. Finally, over the next few years, the committee's ambition is to become the next host of the steel bridge and concrete canoe competitions.

Vice-President, Quebec Région:

Frédéric Brunet

Atlantic Region

Vice President:

Samuel Richard, P.Eng., MCSCE

The **Atlantic Region** includes four sections; East New Brunswick and Prince Edward Island, Newfoundland and Labrador, Nova Scotia and West New Brunswick. CSCE activities in the Atlantic Region are overseen by the Atlantic Region Council. The council is composed of the Vice President, Atlantic Region, Jeff Rankin (Past Vice President, Atlantic Region), Brandon Searle (Region Treasurer) and the chairs of the four Atlantic sections.

Due to the COVID-19 pandemic, it has been challenging to organize CSCE activities. All plans for in-person activities have been halted and section executive meetings have evolved to online platforms. However, the Atlantic Region Council recognized that regular communication between executive members and sections of the CSCE was essential to maintain the society's core values, to remain at the forefront as a learned society and to better serve our membership. Regional meetings have been held every two months throughout the university academic year, as usual. CSCE activities were planned remotely and adapted accordingly. Focus was placed on activities at the national level such as CSCE fellowships and award nominations, and the new CSCE Webinar Tech Talk initiative. This is proof that our society can adapt with the current times and that great opportunities can arise. At the regional level, a standard civil engineering scholarship for Civil Engineering Departments at Atlantic Universities (sustaining members) is in progress. Additionally, the Atlantic Region Council members were in attendance at the online November Workshop event, which showed great promise for the future of the CSCE.

I would like to recognize the commitment of all the Atlantic executive members and their contributions to the society during this unprecedented and difficult year; thank you for your time and devotion to the CSCE. They have remained engaged and maintained regular online meetings and activities, all while respecting physical distancing measures. Their individual reports showcase their hard work and dedication to the CSCE.

The **East New Brunswick and Prince Edward Island Section** was off to a strong start, lining up to have yet again a very busy year, the global pandemic unfortunately had other plans and it had a considerable impact on the section's ability to maintain a high level

of activity. During the past year, the executive section consisted of Jérémie Aubé (Chair), François Duguay (Treasurer), Gilles Hébert (Secretary), Serge Desjardins (Student Liaison), Max Gino Boudeau (Student Representative), Dani LeBlanc (Director, Social Media & Communications and Young Professional Representative), Mélissa Losier (Director), Gérard Poitras (Director) and Sherry Trenholm (Director).

During winter 2020, the section organized another successful edition of its Job Shadowing event, pairing UdeM students with professionals for an afternoon of exposure to the daily work of a civil engineer. The section also hosted a technical presentation on the City of Moncton Facility Bio-Mass Heating and welcomed the National Lecture Tour on Climate Change: Current issues for civil engineering.

In mid-March, when the global pandemic affected the section, in-person activities were stopped for several months. Regular monthly meetings restarted towards the end of the summer, where our discussions surrounded online activities and post-pandemic operations. The section's primary focus was turned to the new CSCE Webinar Tech Talk series for the upcoming year. The executive members are highly anticipating picking up where they left off, being active in the society by organizing, hosting and promoting multiple activities throughout the year. We all remain positive for a very different year in 2021!

The **Newfoundland and Labrador Section's** executive committee consists of Baiyu Helen Zhang (Chair), Susann Hickey (Treasurer), Joseph A Daraio (Student Advisor), Yunwen Tao (Student Representative), Gordon Jin (Director), Bing Chen (Director) and Scott Batt (Director). Though the COVID-19 pandemic had affected the section's capacity to conduct face-to-face activities, the executive committee kept usual meetings and email/telephone communications to oversee activities and progress, make new initiatives and recommendations, guide the Memorial Student Chapter, and raise the profile of the CSCE within the province and beyond.

Since some national events (e.g., CSCE annual conference, young professional training, and national competitions) were cancelled due to the pandemic, the section focused on creating local activities for the members and students through diverse

approaches and events. Last year, the section offered three scholarships and awards at Memorial University, including CSCE Convocation Award, CSCE Prize for Best Projects, and Ann (Mooney) Bridger / CSCE NF & LAB Section scholarship. Also, a Civil Night was hosted for students and webinars were held for local members. Notably, on October 2, 2020, a webinar entitled Ice Engineering for Civils: Hydro-technical Aspects was delivered by Phil Helwig (P. Eng., President of Helwig Hydrotechnique Limited).

The section remained continuously active during the past year to support national initiatives such as promoting CSCE Webinar Tech Talk series, contributing to the November Workshop activities and National Board Meetings. Additionally, The National Lecture Tour entitled "Climate Change: Current Issues for Civil Engineering" by Dr. Jean-Luc Martel was hosted on February 14, 2020. Moreover, EIC nominations and CSCE Fellow/Award nominations were submitted to further promote civil engineering in Newfoundland and Labrador.

The section has been continuously developing and enhancing beneficial relationships with the Department of Civil Engineering at Memorial University and other professional societies such as Professional Engineers & Geoscientists of NL (PEGNL), NL Environmental Industry Association (NEIA), and Canadian Association on Water Quality (CAWQ). Executive committee members of the section and the student chapter have been actively involved in Memorial hosted events. On August 31-September 1, 2020, the Virtual Symposium: Water Management in a Changing Climate was organized in St. John's. The symposium was chaired by Dr. Bing Chen (CSCE Vice President, International) along with the organizing committee consisting four members from CSCE-NL and CSCE-MUN.

The **Nova Scotia Section** was re-established at the beginning of 2020 after being dormant for approximately five years. Eric Tynski and Sarah Hanson, co-chairs of the section, had set goals for the year centered around growing the section. They had hoped to host one or two events to establish themselves as a part of the civil engineering community, primarily in the Halifax region. Unfortunately, the COVID-19 pandemic largely prevented

in-person events from happening and the section was unable to build a network of contacts large enough to host online events.

Prior to the pandemic, the section did host one event – the National Lecture Tour, presented by Dr. Jean-Luc Martel in early February. The event was successful in bringing together members of the civil engineering community in Halifax and students at Dalhousie University. Approximately 30 people attended, the majority being graduate students. This event related to two of CSCE's three strategic directions, those being: growing with youth and leadership in sustainable infrastructure.

The section had planned to focus on the CSCE strategic direction of growing with youth in the spring of 2020 and had planned to host a joint networking event with the Dalhousie University CSCE Student Chapter before the COVID-19 pandemic. This event and all future ones in development were either cancelled or postponed. The section has remained in contact with the Dalhousie CSCE Student Chapter in hopes of being able to create and maintain a relationship that would see each group attend and promote each other's activities.

For 2021, the Nova Scotia Section hopes to build on the relationship with the CSCE student chapter at Dalhousie University, be able to host an event for CSCE members in Nova Scotia and grow its executive team. In working toward and achieving these goals, the section should be able to build an effective executive group, beneficial to both professionals and students in the province for years to come.

The **West New Brunswick Section** has had a slower season compared to years past. This is partially due to the unavoidable transition resulting from the COVID-19 pandemic, in addition to the loss of members from the previous year. The executive members consist of Robert Praeg (Chair), Brandon Searle (Past Chair), Coady Cameron (Vice Chair), Lucas Storey (Young Professional Representative & Student Liaison), and Mike Benson (Social Representative). With the section's loss of the Treasurer and Secretary, along with a recent move and promotion of Mike Benson (Social Representative), some reorganization will be required to compensate for the missing members. In addition to the aforementioned people, several others have contributed to the

success of this section, notably Jeff Rankin (Past Vice President, Atlantic Region), Lloyd Waugh (Past President, CSCE), Alan Lloyd (Academic Advisor to the University of New Brunswick Student Chapter), and Connor Blanchard (President at the University of New Brunswick Student Chapter).

The section welcomed Dr. Jean-Luc Martel into Fredericton as part of the CSCE's National Lecture Tour, which began in February 2020. The presentation provided a great picture of future climate projections across Canada and the expected impacts of climate change on infrastructures. The presentation was one of the sections best attended events in recent memory, and gathered a significant amount of interest from local members.

Like all of the CSCE's sections across Canada, the pandemic has made it challenging to facilitate networking events and to provide students and professionals the opportunity to continue their personal development. An in-person technical talk by Gaetan Thomas was originally scheduled for March of 2020; it was postponed and rescheduled as a virtual seminar. This was a free webinar offered in partnership with the New Brunswick Section of the Association of Consulting Engineering Companies (ACEC-NB). Gaetan Thomas, who at the time was President and CEO of New Brunswick Power Corporation, delivered an excellent presentation discussing the benefits of the refurbishment of the Mactaquac Dam, benefits of SmartGrid technology, along with many long-term plans and goals of NB Power. Invitations for this virtual event were extended nationally, and this was marked as the first CSCE event that was offered virtually in response to the pandemic.

Lastly, during the fall, Brandon Searle (Past Chair of the CSCE West NB Section), did a presentation on the Off-site Construction Research Centre, he discussed how the center was formed, its focus, vision, as well as its current and future projects. This technical talk was offered as part of the CSCE Webinar Technical Talk – 2020/2021 edition series.

Vice President, Atlantic Region
Samuel Richard, P.Eng., MCSCE

Report of the Honorary Treasurer

Mark Scanlon

The CSCE Board of Directors is dedicated to fiscal responsibility and sound financial management. As a non-profit society, our goal is to be self-sustaining by closely aligning our projected expenditures to our projected revenues.

2020 was a challenging year for everyone. While the world reacted to the pandemic, the financial challenges brought on as a result provided several challenges to the Society's annual operating budget. Of note, and due directly to the pandemic, the 2020 Annual Conference was cancelled. As such we did not see any revenue that we would normally expect from this annual event. Also of note, our membership revenue was lower than expected, likely due to cutbacks in discretionary spending on corporate and personal levels. Assuming that, had COVID-19 not happened, we were able to maintain our membership levels from 2019 and that the 2020 conference brought in as much revenue as the 2019 conference, including the associated short courses, these two factors together combine for approximately \$95,000 in lost revenue in 2020.

With this in mind, it is important to note that our net loss for 2020 of \$156,117 was within approximately 1% of our original projected forecast for 2020, that being a loss of \$154,924. Much of this is accounted for in government assistance and subsidies provided to help deal with the pandemic. I would like to extend my gratitude to Patricia Ricci, CPA, the Society's controller, for her work in obtaining this assistance. This was, however, not enough to overcome the shortfall, and difficult decisions had to be made on what programs the Society was able to fund throughout the duration of the year. Together, we were able to show our resilience as a Society and were able to make it through 2020 in a relatively stable financial position.

Moving forward, 2020 has shown us that relying on limited revenue streams is not financially sustainable for the Society. As a volunteer-based organization, our success rides on our volunteers at the national, regional and local level. I am excited to see new initiatives at all levels with a focus on broadening our opportunities. As we grow and develop these initiatives, including Envision partnerships, web-based tech talks, and other life-long learning endeavours, we need all CSCE members to continue to drive the society's success through their engagement.

The CSCE's financial audit, performed again for 2020 by Baker Tilly, is appended to this annual report. The audit covers CSCE's fiscal year of January 1st to December 31st, 2020. The CSCE Foundation Trustees oversee the four distinct funds within the umbrella of the Foundation, as described in the report of the Foundation Trustees. The investments within the Second Century Fund are also overseen by the CSCE Foundation.

As I close my first year of my first term as Honorary Treasurer, I would like to thank all of those who have dedicated their time to serving the Society this past year. The passion, creativity, and expertise put forward by all involved is incredible. When good people put in hard work, great things do happen. I look forward to 2021 and beyond, and the great things to come in the Society.

Mark Scanlon

Honorary Treasurer

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 General Fund, the Shanley Award Fund, the History Program Fund, the Donald Jamieson Fellowship Fund and the Second Century Fund. Although the Foundation is independent of the Society, its financial statements are included for information in this Annual Report. The following table summarizes the financial position of the Foundation as of December 31, 2020.

CSCE Foundation Financial Position	Year					
	2015	2016	2017	2018	2019	2020
Income						
Interest, dividend income and valuation gains	\$7,852	\$19,120	\$15,069	(\$11,142)	\$42,262	\$32,666
Donations	\$7,246	\$8,778	\$11,795	\$11,386	\$7,720	\$5,807
Expenses						
Awards, administration, publications	\$4,499	\$1,818	\$11,818	\$4,397	\$19,617	\$12,531
Net Change	\$10,599	\$26,080	\$15,046	(\$4,153)	\$30,365	\$25,942
Net Assets						
Foundation Fund						
History Program Fund	\$5,118	\$5,569	\$6,211	\$5,698	\$4,294	\$3,364
Shanley Award Fund	\$13,207	\$14,365	\$14,979	\$15,101	\$16,826	\$18,083
General Fund	\$155,196	\$168,827	\$178,329	\$179,781	\$198,091	\$211,884
Donald Jamieson Fund	\$111,046	\$121,887	\$126,175	\$120,961	\$132,693	\$144,513
Total Net Assets	\$284,567	\$310,648	\$325,695	\$321,541	\$351,904	\$377,844
Percent Growth from Previous Year (Net)	-3.1%	9.1%	4.8%	-1.3%	9.4%	7.4%
Second Century Fund						
Assets	\$159,650	\$89,170	\$90,634	\$98,071	\$104,681	\$106,064
Percent Change from Previous Year	-	-44.1%	1.6%	8.2%	6.7%	1.3%

The Trustees have established two primary goals for the Foundation, going forward:

- Actively seek to grow the funds of the Foundation,
- Provide additional funds for member recognition through awards.

In 2018, to support the goal of growing the funds of the Foundation, the Trustees revised the Investment Policy, in consultation with RBC Dominion Securities. The investment objective of the CSCE Foundation is to earn a return of approximately 4% in excess of all administration costs, investment management fees and inflation. With this in mind, the target minimum rate of return required to meet these objectives is approximately 7%. In order to achieve the required rate of return the target asset allocation of the Portfolio should be: Cash – 5%, Fixed Income – 35%, Equities – 60%. As market conditions dictate, the asset allocation may be adjusted within the following ranges in order to manage risk and to accomplish the investment return objective of 7%.

Asset Class	Minimum	Target	Maximum
Cash	0	5	40
Fixed Income	20	35	50
Equity	50	60	70

The Trustees continue to be guided by RBC Dominion Securities for ongoing fund management. Further, an annual letter to Fellows of the Society encouraging them to donate to support the awards programme.

All 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 (2020): Michael Bartlett, London, ON
 Daniel Burns, Calgary, AB
 David Innes, Fredericton, NB
 Randy Pickle, Oshawa, ON
 Gordon Jin, St. John's NL (Chair, Honours and Fellows Committee)
 Mark Scanlon, Edmonton, AB (Honourary Treasurer)
 Patricia Ricci (CSCE Controller) (ex-officio)

Randy Pickle, P.Eng., FCSCE, FEC, FEIC
 Senior Trustee, CSCE Foundation

Report of the Vice President - Administration Coordinating Committee

Peter Langan, P.Eng., FCSCE

The Administration Coordinating Committee (ACC) consists of the Administration Vice President, the Honorary Treasurer and the Chairs of all the Committees reporting to the Administration Vice President:

Communications, Conference, Corporate Engagement, National History, Honours & Fellowships, and Membership Services.

The ACC is responsible for the overall financial management of the Society, the delivery of services to the membership, as well as other duties assigned by the Board of Directors.

The following are the reports of each ACC Committee.

Peter Langan

Vice President,
Administration Coordinating Committee
Chair

THE CORPORATE MEMBERSHIP REPORT



1 — Corporate Membership

THE CORPORATE MEMBERSHIP PACKAGE

Basic Benefits – Conference Benefits – Enhanced Benefits

Web page: Corporate Membership – CSCE /

SCGC

What can I do for my CSCE?

When you join the Canadian Society for Civil Engineering (CSCE/SCGC),

You become a member of one of the leading engineering societies in the world.

You become affiliated with an organization committed to furthering and supporting the engineering community and development industry worldwide as well as the people and companies working in it.

CSCE's strength and credibility are based on its membership, the quality and relevance of its advocacy work, development of leading practice and sharing of knowledge.

2020/2021 Communication Report:

Attain and maintain CSCE corporate memberships

- Regular follow up with corporate members.
- Quarterly E-mails to lost members
- Follow up on corporate membership inquiries

Finding new sources of visibility for corporate members

CORPORATE MEMBERSHIP ENHANCED VISIBILITY:

- Featured Corporate Members listed in the e-bulletin.
- Introduced a section in the weekly e-bulletin featuring a corporate member of the week.
- Introduced new Corporate Members in our CSCE Civil Magazine and Social media.
- Posted on the new CSCE Webinar series
- Added a new feature Case Study in CIVIL Magazine

Improve on CSCE Corporate member benefits for Regular Members:

Review of the benefits:

1. TD Insurance – reviewed and improved the TD Insurance benefits
2. NEW MBNA CSCE credit card – with CSCE benefits and royalties
3. Revised agreement with HERTZ
4. Revised and improved benefits with UPS

2 Business development opportunities for Corporate members

ACTION PLAN

Presented to Catherine Mulligan in line with 2030 Strategic Directives

Virtual Meeting with Senator Rosa Galvez and her staff to discuss collaboration and support of CSCE applications to Federal programs.

Letters sent to Ministers – Catherine McKenna, Marc Garneau, François Philippe Champagne, Bill Morneau, Navdeep Bains and Prime Minister Justin Trudeau, soliciting meetings and discussion to collaborate with CSCE in their different programs.

CANADA INFRASTRUCTURE CONSULTATION

Follow up on opportunities with ministries regarding the program.

Discussion with senior members of the Minister of Infrastructure and Communities to offer CSCE's services – Collaboration invitation to CSCE members Gord Lovegrove, Glenn Hewus and Mike Benson.

Respectfully submitted: **Peter George**

NATIONAL CONFERENCE COMMITTEE

2018 Annual Report

Chair: **Graham Sterparn**, P.Eng., FCSCE

National Conference

- National Office is updating the conference calendar.
- National Conference Guide has been updated.

National Conference Schedule

- 2020 Prairies, Saskatoon, SK. – Conference Cancelled due to Covid-19 Pandemic
- 2021 Ontario, Niagara on the Lake, ON. – Converted to Virtual Conference.
- 2022 Western, Whistler, BC.
- 2023 Atlantic, Moncton, NB.
- 2024 Special (Ontario), Niagara on the Lake, ON. – Contractual Obligations
- 2025 Prairies (Winnipeg, MB) Region

to present location to National Board November 2021

- 2026 Quebec (Quebec City, QC)
- 2027 Western
- 2028 Atlantic
- 2029 Ontario

Regional Conferences/Symposium

Sections interested in hosting One-Day Symposiums

- There are no One-Day Symposiums planned.

Possible Policy Coordination between National & Regions for One-Day Symposiums

- Regional One Day Symposium planning document outline to be completed in 2021.
- Questions regarding the legal authority of Regions or Sections to enter into contracts using the CSCE are to be discussed further by National Office. Status ongoing.
- Financial risk mitigation has been touched on and needs further discussion at the National Office level to develop a policy. Status ongoing.

Technical Stand-Alone Conferences

- Building on Gopal's initial statement regarding the Stand-Alone Technical Conferences, discussions have taken place during meetings and teleconferences to develop a framework to guide Technical Divisions to conduct Stand-Alone Conferences. Status ongoing.
- Discussions on the proper time and geographical separation of Stand-Alone Conferences vs National Conference to be finalized. Possible policy to be developed. Status ongoing.

Status of 2021 Committee Plans

- Review and update definitions of the National, Regional and Technical Conferences. (Further work to be completed)
- Continue to encourage the Regional and Technical Chairs to develop a program of Regional and Stand Alone Technical conferences to augment the National Conference. (Further work to be completed).
- National Conference Guide update has been completed.

- Upon completion and acceptance of the updated National Conference Guide the development of the Stand-Alone Conference Guide for Regional and Technical Stand-Alone Conferences will commence. Status ongoing.

Additional Items for further development of Conference Committee Roles & Responsibilities

- Increase Conference Presentation Tracks to include:

Academic Achievement,

- Professional Development, and
- Practical Application of the Academic Knowledge.
- Follow up on presentations from previous conferences.
- How to make CSCE relevant to all Civil Engineers?
- Develop a historical list of Technical Divisions participation in National Conferences.
- Develop a historical list of Technical Divisions participation in Stand-Alone Conferences.
- Develop a historical list of S&MS Bridge Conferences.

Chair: **Graham Sterparn**, P.Eng., FCSCE

NATIONAL HISTORY COMMITTEE ANNUAL REPORT FOR 2020

(01 January to 31 December)

Chair: **Michael Bartlett**, Ph.D., F.ACI, F.CSCE, F.IABSE, P.Eng.

The Committee includes 21 members from BC, Alberta, Saskatchewan, Manitoba, Ontario, Québec, New Brunswick and Nova Scotia and one Consulting Member. Eight regular Teleconference/Zoom Meetings have been held throughout the year. During the year, the Committee welcomed as new members Dave Ennis (Winnipeg) and Ali Mahmood (Brossard) and new consulting member Andrew Werblinski (Gatineau).

The Committee's most significant achievement in 2020 has been the rewriting of the online descriptions of the 78 CSCE Historic Civil Engineering sites, using a standard template. The new descriptions together comprise roughly 55,000 words, 450 images, and 240 links

to online information. Efforts are now initiated to translate the descriptions to French. The next step is to mount these sites on the CSCE server (and migrate other material as necessary from the cscehistory.ca site): this seems to have occurred with the CSCE website makeover in early January 2021. Now that the material is available online the Social Media Task Force will develop and implement new social media initiatives to send people to the online descriptions.

In partnership with six other Engineering Societies and the Engineering Institute of Canada, an initiative has been launched to research, record and transcribe oral histories of eminent Canadian engineers. Each member society has agreed to pay \$750 per year for two years; EIC will match this and we hope for an additional match by MITACS to provide \$22,500 per year for two years to hire one MA Public History intern in the summer of 2021 and two interns in the summer of 2022 to carry out the work. Ethics approval from Western University for the project "Oral History Interviews to Preserve Canadian Engineering Achievements" was received on 25 November 2020.

Some papers from the cancelled 2020 Annual Conference have been carried over to the 2021 Annual Conference. We anticipate at least one history-themed session in the General Conference, and have offered to create a small Task Group to review the abstracts and papers submitted. We intend to unveil plaques for two sites that have previously been approved for commemoration, the Middle Road Bridge and the Niagara Power Generating Stations. An application to commemorate a third site is in progress.

Other initiatives, in brief, are as follows:

- The 2020 initiative to designate the South Saskatchewan River Project as a CSCE National Civil Engineering Historic Site is currently on hold.
- An Historic Bridge Task Group has been formed to refine the criteria used to list bridges on our online "Inventory of Civil Engineering Historic Sites". The Task Group held two meetings in 2020 and has

developed preliminary selection criteria.

- The Iqaluit plaque has been procured and is being stored in Edmonton, for unveiling onsite when circumstances permit.
- The damage to our Canada 150 posters commemorating civil engineering achievements has been repaired, and suitable shipping boxes have been purchased. The posters are now in Southern Ontario.
- The History Committee has co-ordinated two Civil Engineering Tech Talk Webinars, on September 30 and November 11, that each had more than 125 attendees.
- The weekly CSCE eBulletin now includes a regular feature “This Week in Civil Engineering History”, which includes a photograph and 100-word description of a relevant event in Canadian civil engineering history.

The Committee wishes to express its thanks for the Society’s financial contribution to the History Program and also notes that contributions continued to be received throughout the year to the History Program Fund within the CSCE Foundation.

In closing, I would like to pay tribute to all Committee members who, over many years, have been enthusiastic and outstanding contributors to the success of the committee.

Respectfully submitted,
Chair: **Michael Bartlett**, Ph.D., F.ACI, F.CSCE, F.IABSE, P.Eng.

HONOURS AND FELLOWSHIPS COMMITTEE

Annual Report 2020-21

Gordon Jin, P.Eng., F.CSCE, FEC, FEIC
Chair

The Honours and Fellowships Committee is responsible for the review and processing of all 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, identifies the recipients of up to nine career awards, two organizational awards, one graduate student fellowship, one Young Professional Award and five “Best Paper” awards. The CSCE Honours and Fellowships Committee is also responsible for organizing and conducting the awards ceremony at the CSCE Annual Conference.

The 2020 CSCE Annual Conference, scheduled for late-May 2020 in Saskatoon, Saskatchewan was cancelled due to the COVID-19 pandemic, and although the Awards for Civil Engineering Gala did not take place, the CSCE did recognize the winners that were nominated and approved. Last year, thirteen members of CSCE were awarded the status of Fellow, plus the various Best Paper Awards and five members were recognized for contributions to CSCE and/or the profession. The Honours and Fellowships Committee is overseeing the Excellence in Innovation in Civil Engineering Award, the Award for Government Leadership in Sustainable Infrastructure and the Young Professional Awards on a Regional level, and then the respective regional winners compete for the national title, with the winners announced at the CSCE Annual Conference.

The Honours and Fellowships Committee is also responsible for a high-level review of the nominations for Fellowships and other senior awards of the Engineering Institute of Canada (EIC). The 2020 EIC Awards Gala scheduled for Gatineau, Quebec in April 2020 was cancelled due to the COVID-19 pandemic, however EIC recognized and accorded four members of the CSCE for EIC Fellowships.

The Honours and Fellowships Committee continues to monitor the nominations for Fellow, and the career awards, to mitigate deficiencies in the diversification and to ensure that nominations better represent the demographics of the Society.

Respectfully submitted
Gordon Jin, P.Eng., F.CSCE, FEC, FEIC
Chair

Report of the Vice-President, Program Coordinating Committee – Technical Divisions and Committees

Program Coordinating Committee Report Gopal Achari (VP- PCC)

What a year it has been! It can best be described as unusual and unprecedented! Hopefully, 2021 would be a better year and in subsequent years we can go back to our previous lives – holding in-person conferences and meetings. Nonetheless, the various technical divisions of CSCE which comprise of Structures, Mechanics and Materials, Hydrotechnical, Construction, Environmental, Transportation and Cold Regions Engineering, adapted quickly and continued to work hard to deliver content to its members. Below the reports of the different divisions, as provided by the Division Chairs are included.

I encourage members to contact Division Chairs and to participate in Division activities. An organisation like CSCE thrives on member input and participation and we always look forward to newer ideas and taking on newer initiatives.

Structures Division

Chair:

Dr. Ashraf El Damatty, FCSCE, FEIC

The Structures division has 89 active members and 10 technical committees.

In 2021, the division took charge of organizing the Structures Speciality Conference, which will take place virtually May 26-29 as part of the CSCE General Conference. The Structures Speciality Conference received and accepted more than 130 technical papers. Three high profile keynote speakers were invited to deliver talks during the conference.

Various activities conducted by the technical committees are reported below.

ACM Committee: The 8th International Conference on Advances of Composite Materials (ACMBS) is chaired by Professor Brahim. The conference will run virtually during the period August 5-7, 2021. The conference has received and accepted more than 100 peer-reviewed papers authored by various experts in the field from 15 different countries around the world, including Australia, Belgium,

Canada, China, Czech Republic, Egypt, France, Iraq, Italy, Japan, Oman, Spain, Switzerland, UK, and USA. It is expected that the number of participants will exceed 200.

Buried Structures committee: The committee published a special issue in the Canadian Journal of Civil Engineering Vol. 48, Issue Number 2, February 2021. This Special Issue includes a collection of high-quality articles on the soil-structure interaction (SSI) of buried structures. The editorial note of this special issue can be found in this link

<https://cdnsiencepub.com/doi/10.1139/cjce-2020-0825>

In collaboration with the Transportation Geotechnics committee of the Canadian Geotechnical Society, the committee will present a lunch and learn event in June 2021.

Concrete Structures committee: The committee will publish a special edition in the Canadian Journal of Civil Engineering (CJCE) in 2021 on “Performance of Reinforced Concrete (RC) structures/elements made from high strength materials (steel and/or concrete)”. In addition, the committee is organizing multiple sessions in Concrete Structures during the 2021 Structures Speciality Conference.

Masonry Structures Committee: The 14th Canadian Masonry Symposium that was supposed to be held in Montreal, will now be held 100% virtual from May 16 to 20, 2021. The conference is co-chaired by Dr. Khaled Galal from Concordia University and Dr. Bennett Banting from the Canada Masonry Design Centre (CMDC). The conference website is www.canadianmasonrysymposium.com. The registration is free, thanks to the conference sponsors, mainly: the Canadian Concrete Masonry Producers Associate (CCMPa), Ontario Masonry Contractors Association (OMCA), and National Concrete Masonry Association Foundation (NCMA). The conference received around 100 papers from 17 countries.

Structural Dynamics: The committee organized a number of sessions in the 2021 Structures Speciality Conference.

Wood Structures Committee: Committee members, either individually or in smaller groups, have continued to represent CSCE and

contribute in different professional forums and activities such as Canadian Wood Council’s Academic Curriculum Development Workshops, Development of Advanced Wood Design Manuals to be published by Canadian Wood Council. Arrangements were in collaboration with organizers made for special sessions on Wood Structures, sponsored by Canadian Wood Council, during the 2020 Annual Conference. Individual members are also involved with additional research facilitation and code development forums such as NSERC Discovery Grant application review panel and CSA O86: Engineering design in Wood and committee.

Steel Structures Committee: At the beginning of 2020, the committee continued its effort to coordinate educational, scientific and industry professional activities related to steel structures. A number of areas identified to be explored and pursued included organizing a panel discussion at the 2020 CSCE annual conference on hot topics of interest to academia and industry (eg. Demystifying steel connection behaviour and design, structurally exposed steel, modernizing steel structures design, evolution of steel design codes and opportunities for the future, convergence or divergence of steel design practices in North America and Europe, the limits of modular steel construction and opportunities, etc.), increasing engagement with civil engineering students through competitions and training (using Q&A online platform where students can ask their steel-related questions and be answered by professionals and academics) to increase students’ interest in steel structures, and engaging with the Canadian Institute for Steel Construction (CISC) to initiate joint collaborative research reviews and training. Then, there was the global pandemic which halted the committee’s activities. The majority of the planned activities were cancelled. Discussions were, however, picked up at the last quarter of the year, including gauging continued interest in the committee’s membership and recruiting new members. Some of the activities carried out included:

- Initiating discussions with CISC direction to explore collaborative work in research and training focused on bridging the gap between academia and

- industry with an inclusive strategy.
- Renewing partnership between CSCE and CISC for organizing the National student steel bridge competition. A number of meetings were held with high-level managers of CISC to revive our collaboration and brainstorm on ways to continue to engage with students on steel structures related matters. A virtual format of the National student steel bridge competition was conceived and drawn, which will be held in May 2021.
 - Increasing participation of committee members in both national CSA and international technical and scientific committees

Chair: **Ashraf El Damatty**

Environmental Division

Chair: **Dr. Kelvin Tsun Wai Ng**

In 2020, the Environmental division has been involved in the organization of the 18th International Environmental Specialty Conference in Saskatoon. The Saskatoon conference was cancelled in March due to the COVID pandemic. As such, the 2020 Environmental Division general meeting was postponed to 2021.

The division coordinated with a team of researchers in September and published a short technical paper in the winter issue of Canadian Civil Engineer magazine. The title of the article is “How does a pandemic change our waste disposal habits?”

Kelvin T. W. Ng has agreed to chair the 19th Environmental Specialty conference in 2021. With the help from our reviewers, over 18 conference themes were identified. The Division received over 70 abstracts by the end of December.

A focus of the Division in 2021 will be sustaining our leadership in sustainability practices. The Division will support our members by disseminate and share knowledge through organizing workshops and contributing articles to the Canadian Civil Engineer Magazine. The division will also support the imitative on development of the CSCE “Tech Talk” webinar series.

Chair: **Dr. Kelvin Tsun Wai Ng**

Engineering Mechanics and Materials (EMM) Division

Chair: **Dr. Shahria Alam**, P.Eng.

The mission of the Engineering Mechanics and Materials (EMM) Division is to contribute to maintaining high standards of the civil engineering profession through promoting the exchange of knowledge between researchers and engineering professionals working in the area of engineering mechanics and materials. In line with CSCE’s Strategic Direction, Leadership in Sustainable Infrastructure, the division promotes exchanging new initiatives and ideas pertaining to sustainable materials. Serving a dynamic and evolving area of civil engineering, the members of the Division use various avenues to share their expertise and findings with the engineering profession in Canada. Within its mission, the major activities of the Division include: (i) organize international specialty conferences in the area of engineering mechanics/materials, (ii) develop and offer short courses covering specialized topics, (iii) disseminate and share knowledge through guest editing special issues of the Canadian Civil Engineer Magazine, (iv) promote collaboration between researchers at the national and international levels, and (v) enhance the engagement of young engineers and engineering students through poster and paper presentations during the specialty conferences.

EMM Division Membership:

Dr. Muntasir Billah, Secretary of the EMM division of CSCE is actively working on boosting up the membership. EMM division has already introduced several sub-committees and their corresponding leads earlier to further increase its memberships and their relevant activities and make substantial contributions to the engineering profession and society.

EDI Consideration: The committee is actively working to promote the division activities among the underrepresented group including women, Black and indigenous people. The committee has recently appointed Dr. Nathalie Roy as the first female Deputy Co-Chair and Dr. Claudiane Ouellet-Plamondon as the Composites Committee Chair.

CSCE EMM Conference 2020

The Division actively worked last year to organize the 8th International Specialty

Conference on Materials (2020 CSCE Annual Conference) which was held in Saskatoon, Saskatchewan Canada, May 27-30, 2020. However, due to pandemic this conference was postponed for 2021. All the relevant activities including

Keynote Speeches, EMM Division Meeting, Best student presenter awards, Undergrad student travel grants were postponed.

CSCE EMM Conference 2021

The EMM Division has been actively working this year to organize the 8th International Specialty Conference on Engineering Materials (2021 CSCE Annual Conference) which was supposed to be held in Niagara Fall, ON Canada, from May 26-29, 2021.

As a part of this conference, the division is planning to organize several special sessions and a panel discussion, featuring 3 to 4 experts including academics and practicing engineers. Furthermore, there are three keynote speakers to make presentations at the conference. However, due to the current situation, CSCE Annual Conference 2021 is going to be organized virtually. We have received a good number of papers and we completed the review process. Each paper had at least two quality reviews. We have 8 accepted and 64 conditionally accepted (revisions required) papers along with 24 rejects. The conference proceedings will be published by Springer.

The EMM Division, like the previous years, will be continuously supporting its members by providing awards and grants (to cover registration fees).

Best student presenter awards: Three best student paper awards will be given out in the next year’s CSCE Annual Conference.

Undergrad student grants: Since the conference is virtual, there is no travel grant available rather the committee has decided to pay for the registration fees. A total of six grants will be awarded to undergraduate students to present their papers at the EMM conference. Faculty members (CSCE membership required) will be nominating their students. In order to get nominated, the undergraduate students need to be the lead authors and presenters and should be CSCE student members.

Note that EMM Division is now the champion of specialty conferences occurring every year at the CSCE Annual Conference. The conferences alternate between Engineering Mechanics and Materials, and

Materials only. The latter was initiated at the 2016 Annual Conference.

Chair: **Dr. Shahria Alam**, P.Eng.

Construction Division

Chair: **Mr. Michel Khouday**

It was a good year for the construction division. Of course, the pandemic hit us and we had to cancel some of our physical activities because of the social distancing. We recruited new board members in our division to join the leadership committee and we concentrated on the success of the upcoming annual conference. Even throughout our social distancing, we focused on our domains of expertise and the number of papers received for our technical committee and program was impressive for the conference. We definitely can say that the future of the construction division of CSCE will be great with our industry and academic leadership.

Chair: **Mr. Michel Khouday**

Transportation Division

Chair: **Mr. Michel Khouday**

The last year was tainted by the Covid-19 virus. That didn't stop the Transportation division to be heard, seen and active. CSCE transportation leader was invited more than once to the Chief Engineers Panel of the Transportation Association of Canada (TAC) to share in different virtual meetings the best practices and learn from other Societies and Associations in the industry. Also, the CSCE new strategics initiatives for the next years were presented to the Chief Engineers and inspired key members of TAC. The Transportation division in the next few years will focus on the recruitment of new dynamic members and this recruitment for the Transportation division will follow the CSCE strategy's new initiative of inclusion and diversity. Equity, diversity, and inclusivity (EDI) are current and important topics and priority for the recruitment of new members in our division.

Chair: **Mr. Michel Khouday**

Report of the Vice President, Program Coordinating Committee Technical Programs

Dr Gord Lovegrove, P.Eng. (Civil, BC), MBA, PhD

It is my honor to have served CSCE this past year in capacity as VP – Technical Programs. My job was made easy by the great support from CSCE HQ, and from Chairs of each reporting committee, thank you all. My goals for this year included:

1. Emerging CSCE technical issues, including:
 - a. Facilitating great work by the Asset Mgmt Committee and CSCE in ways to promote ISI's Envision (sustainable infrastructure rating tool) as a CSCE Best-Practise
 - b. Chairing the 2021 Transportation Speciality Conference
 - c. Recruitment of Indigenous youth recruitment into civil engineering (ongoing)
 - d. Facilitating CSCE's role as lead consultant to the federal government on Canada's upcoming National Infrastructure Assessment Report Card
 - e. Facilitating CSCE's active involvement in and support for the CSCE President's priorities for 2020/21, including (among others) Universal Access, and Climate Action.
2. I welcome your comments and help if any of these goals / committees appeal to you, all the best in the coming year!

Despite our global Covid19 pandemic, progress has been made, as follows:

1. Engineering Practise – no report
2. Education & Research – no report
3. Asset Management – This AM committee has been consumed by its drive towards more sustainable infrastructure for Canada, in particular two initiatives related to 1) Envision and 2) National Infrastructure Assessment.
- 1) As you may already know, CSCE has been exploring ways to facilitate more

Technical Team Leads

Committee	Chair
1. Chair, Engineering Practice mark.scanlon@stantec.com	Mark Scanlon
2. Chair, Education and Research Elena.Dragomirescu@uottawa.ca	Elena Dragomirescu
3. Chair, Asset Management mbenson@rvanderson.com	Mike Benson
4. Chair, Technical Publications farnaz@ucalgary.ca	Farnaz Sadeghpour
5. Editor, CJCE biswas@uwindsor.ca	Nihar Biswas
6. National Lecture Tour Coordinator James.garland@durham.ca	James Garland

sustainable infrastructure, including use of ISI's Envision rating tool. More news will be announced by the CSCE National Office in the coming months. 2) The Federal Government has recently issued an Engagement Paper on its National Infrastructure Assessment. (<https://www.infrastructure.gc.ca/alt-format/pdf/nia-eni/nia-eni-doc-eng.pdf>). This is an opportunity for the CSCE to come together and put forward a comprehensive and holistic summary of the CSCE's feedback.

4. Technical Publications – no report
5. Editor, The Canadian Journal of Civil Engineering (CJCE). Published since 1974, the CJCE is the official journal of the CSCE and the only journal presently affiliated with the CSCE. The CJCE is published by the not-for-profit company, Canadian Science Publishing (CSP), located at 1840 Woodward Dr Suite 1, Ottawa, ON K2C 0P7. (<http://www.nr-researchpress.com>).

All CSCE members may subscribe to the electronic and print versions of the CJCE to CSCE members at rates substantially below non-member subscription rates. The CJCE attracts around 800 manuscript submissions per year, with about 48% coming from Canada, followed by US, China and the rest of the world. The overall rate of acceptance is 21%. A survey of authors indicates that there is a satisfaction of 97% with the quality of the peer review process. The CJCE has initiated a program called 'Early Career Editorial Board Member' to encourage the next generation of journal editors and promote diversity on the CJCE editorial board. The aim is to give a few early career researchers an opportunity to participate on the editorial board under the mentorship of a current Associate Editor or Editor-in-Chief. The CJCE Editors, Dr. Amir Fam and Dr. Nihar Biswas, are grateful for the tremendous support

received from the Associate Editors, Assistant Editor, Ms. Brenda Tryhuba, Managing Editor, Dr. Celia Charron, the staff at CSP, and the reviewers, whose hard work helps in maintaining a very high standard of the journal.

6. National Lecture Tour (NLT) - NLT's are a vehicle for sharing technical information of interest to civil engineers with CSCE members across Canada. These are often 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. With COVID-19 protocols preventing in-person events during most of 2020 and 2021 to date, there are no plans to offer a National Lecture Tour until Sections ramp up in-person activities. In the absence of in-person Section events, a CSCE team led by Michael Bartlett has been organizing regular online lunch time Tech Talk presentations on a range of civil engineering topics. Advertised nationally, these have been received enthusiastically by CSCE members and would-be members from across the country. The most recent CSCE National Lecture Tour, Climate Change: Current Issues for Civil Engineers, was presented by Jean-Luc Martel in 18 of 20 planned Canadian cities before the COVID-19 shutdown in March 2020. It has also been presented as a Tech Talk in French and English. NLT's align directly with Strategic Direction 1 – Enhanced Services to Members. Expanding delivery to Student Chapters when feasible, or selecting Section venues accessible to students, 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. Members are encouraged to contact the NLT Coordinator, James Garland, or the CSCE National Office to provide suggestions for topics and speakers.

I should also add in the following report from our CSCE Transportation Division, which does not report to me, but for which I will be hosting a Division (zoom) meeting at CSCE, from its Chair Michel Khoudy, as follows:

The last year was tainted by the Covid-19 virus. That didn't stop the Transportation division to be heard, seen and active. CSCE transportation leader was invited more than once to the Chief Engineers Panel of the Transportation Association of Canada (TAC) to share in different virtual meetings the best practices and learn from other Societies and Associations in the industry. Also, the CSCE new strategic initiatives for the next years were presented to the Chief Engineers and inspired key members of TAC. The Transportation division in the next few years will focus on the recruitment of new dynamic members and this recruitment for the Transportation division will follow the CSCE strategy's new initiative of inclusion and diversity. Equity, diversity, and inclusivity (EDI) are current and important topics and priority for the recruitment of new members in our division. Michel Khouday, P.Eng., M.Eng., PMP, C.Adm., ASC, MBA, Ph.D. 514-567-0081

With thanks to all Chairs and contributors,
Dr Gord Lovegrove
(gord.lovegrove@ubc.ca)



REPORT OF THE CSCE NOMINATING COMMITTEE (2021 - 2022)

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
Past President	Khouday, end of term	Catherine Mulligan	1 yr
President	Mulligan, end of term	Brenda McCabe	1 yr
President-Elect	McCabe, end of term	Wade Zwicker	1 yr
Senior Vice-President and Chair, Regional Coordinating Committee	Zwicker, end of term	Gopal Achari	1 yr
Honorary Treasurer	Scanlon, finishing 1st yr	Mark Scanlon	2 yrs
Vice-President, Administration Coordinating Committee	Langan, finishing 1st yr	Peter Langan	1 yr
Vice-President, Technical Divisions and Committees	Achari, finishing 6th yr	Farnaz Sadeghpour	1 yr
Vice-President Technical Programs	Lovegrove, finishing 3rd yr	Gord Lovegrove	1 yr
Vice-President, Atlantic Region	Richard, finishing 4th yr	Mike Benson	2 yrs
Vice-President, Quebec Region	Brunet, finishing 4th yr	Jean-Luc Martel	2 yrs
Vice-President, Ontario Region	Calcetas, finishing 3rd yr	Peter Calcetas	1 yr
Vice-President, Prairie Region	Banthia, finishing 2nd yr	Vaibhav Banthia	2 yrs
Vice-President, Western Region	Walker, finishing 1st yr	Mackenzie Walker	1 yr
Vice-President, International Region	Chen, finishing 3rd yr	Bing Chen	1 yr
Member at Large representing Corporate Members	Hewus, finishing 1st yr	Sara Rankohi	1 yr
Member at Large representing Heads and Chairs	Svecova, finishing 1st yr	Dagmar Svecova	2 yrs

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

Position	Incumbent	Proposed	Term
Representative - Canadian Geotechnical Society (non-voting)	Mario Ruel	Ian Moore	1 yr

Membership Statistics – 2020

Comparative Statistics Comparative

Comparative	Count
Fellow	147
Member (Corp, US & Intl, New)	688
Associate Member (1-4)	64
Technical/Professional Affiliate	7
Technologist (1st +)	7
Retired Member	4
SUB TOTAL - FULL PAYING MEMBERS	917
GRAND TOTAL	3703
Comparative	Count
Life Member	155
Fellow Life Member	121
Fellow Retired Member	18
Associate Member (0 Year)	
SUB TOTAL - MISC	294
Student	2492
GRAND TOTAL	3703

Regions Statistics Regions

Regions	Count
Atlantic	301
Ontario	1392
Prairie	182
Quebec	769
Western	944
SUB TOTAL - CDN	3588
Foreign	115
GRAND TOTAL	3703

Membership Statistics Membership

Membership	Count
Membership - Member	529
Membership - Life Member	155
Membership - Fellow	147
Membership - Retired Member	4
Membership - Student Member	2492
Membership - Associate Member (0 Year)	
Membership - Associate Member (1st Year)	15
Membership - Associate Member (2nd Year)	18
Membership - Associate Member (3rd Year)	18
Membership - Associate Member (4th Year)	13
Membership - Fellow Life Member	121
Membership - Fellow Retired Member	18
Membership - Affiliate Member	7
Membership - Technologist Member	7
Membership - Corporate Member	105
Membership - Corporate Associate	
Membership - Corporate Fellow	2
Membership - Sustaining	52
Grand Total	3703
Membership	Count
SUB TOTAL - CDN	3588
TOTAL Foreign & US	115
Grand Total	3703

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

Maritimes

Dalhousie University
Memorial University of Newfoundland
Université de Moncton
University of New Brunswick

Québec

Concordia University
École polytechnique de Montréal
École de technologie supérieure
Université Laval
McGill University
Université de Sherbrooke

Ontario

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

Prairies

University of Manitoba
University of Regina – Institute for Energy,
Environment and Sustainable Communities
University of Saskatchewan

West / Ouest

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

Canadian Society for
Civil Engineering



Société canadienne
de génie civil

THE CANADIAN SOCIETY FOR CIVIL ENGINEERING
FINANCIAL STATEMENTS
FOR THE YEAR ENDED DECEMBER 31, 2020

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INDEPENDENT AUDITOR'S REPORT

To the Members of
The Canadian Society for Civil Engineering

Opinion

We have audited the financial statements of **The Canadian Society for Civil Engineering**, which comprise the statement of financial position as at December 31, 2020, and the statements of second century fund and unrestricted, revenues and expenditures and cash flows for the year then ended, and notes to the financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the organization as at December 31, 2020, and its results of operations and its cash flows for the year then ended in accordance with Canadian accounting standards for not-for-profit organizations.

Basis for Opinion

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the organization in accordance with the ethical requirements that are relevant to our audit of the financial statements in Canada, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Information other than the Financial Statements and Auditor's Report thereon

Management is responsible for the other information. The other information comprises:

- ♦ The information, other than the financial statements and our auditor's report thereon, in the Annual Performance Report.

Our opinion on the financial statements does not cover the other information and we do not express any form of assurance conclusion thereon. In connection with our audit of the financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the audit, or otherwise appears to be materially misstated.

INDEPENDENT AUDITOR'S REPORT (cont'd.)

The Annual Report is expected to be made available to us after the date of this auditor's report. If, based on the work we will perform on this other information, we conclude that there is a material misstatement of this other information, we are required to report that fact to those charged with governance.

Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with Canadian accounting standards for not-for-profit organizations, 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.

In preparing the financial statements, management is responsible for assessing the organization's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the organization or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the organization's financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements. As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- ♦ Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- ♦ Obtain an understanding of internal control relevant to the audit 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 organization's internal control.

INDEPENDENT AUDITOR'S REPORT (cont'd.)

- ♦ Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- ♦ Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the organization's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the organization to cease to continue as a going concern.
- ♦ Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Baker Tilly Montréal S.E.N.C.R.L./LLP

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Montréal, Québec
June 9, 2021

¹CPA auditor, CA, public accountancy permit No. A114616

THE CANADIAN SOCIETY FOR CIVIL ENGINEERING
STATEMENT OF FINANCIAL POSITION
AS AT DECEMBER 31, 2020

	2020	2019
ASSETS		
Current		
Cash and cash equivalents (Note 4)		
Unrestricted	\$ 295,738	\$ 300,399
Restricted	106,064	104,681
Accounts receivable (Note 5)	43,534	87,715
Government remittances receivable	-	9,856
Conference advances	14,141	10,168
Prepaid expenses	<u>18,326</u>	<u>23,423</u>
	477,803	536,242
Property and equipment (Note 6)	1,261	4,904
Software (Note 7)	<u>34,831</u>	<u>42,853</u>
	<u>\$ 513,895</u>	<u>\$ 583,999</u>
LIABILITIES		
Current		
Operating demand loan (Note 8)	\$ 432,546	\$ 313,087
Accounts payable and accrued liabilities (Note 9)	75,003	173,455
Government remittances payable	10,875	-
Deferred revenue	69,705	76,679
Unearned competition revenue	1,078	-
Current portion of transfer payable - Second Century Fund (Note 10)	<u>1,356</u>	<u>1,356</u>
	590,563	564,577
Transfer payable - Second Century Fund (Note 10)	-	1,356
Canada Emergency Business loan (Note 11)	<u>60,000</u>	<u>-</u>
	<u>650,563</u>	<u>565,933</u>
NET ASSETS		
Second Century Fund	106,064	104,681
Unrestricted	<u>(242,732)</u>	<u>(86,615)</u>
	<u>(136,668)</u>	<u>18,066</u>
	<u>\$ 513,895</u>	<u>\$ 583,999</u>

APPROVED ON BEHALF OF THE BOARD:

_____ *Director / Administrator*

_____ *Director / Administrator*

See accompanying notes

**THE CANADIAN SOCIETY FOR CIVIL ENGINEERING
STATEMENT OF SECOND CENTURY FUND AND UNRESTRICTED
FOR THE YEAR ENDED DECEMBER 31, 2020**

	2020	2019
SECOND CENTURY FUND		
Balance, beginning of year	<u>\$ 104,681</u>	<u>\$ 98,071</u>
Repayment of transfer payable (Note 10)	1,356	1,356
Interest earned on transfer payable	27	54
Donation received	<u>-</u>	<u>5,200</u>
	<u>1,383</u>	<u>6,610</u>
Balance, end of year	<u>\$ 106,064</u>	<u>\$ 104,681</u>
UNRESTRICTED		
Balance, beginning of year	<u>\$ (86,615)</u>	<u>\$ 202,457</u>
Deficiency of revenue over expenditures	<u>156,117</u>	<u>289,072</u>
Balance, end of year	<u>\$ (242,732)</u>	<u>\$ (86,615)</u>

See accompanying notes

THE CANADIAN SOCIETY FOR CIVIL ENGINEERING
STATEMENT OF REVENUES AND EXPENDITURES
FOR THE YEAR ENDED DECEMBER 31, 2020

	2020	2019
Revenue		
Membership fees		
Full members	\$ 172,515	\$ 205,675
Corporate	63,657	65,372
Sustaining members	18,600	19,200
Communications		
Magazine	656	13,131
Other	4,663	14,318
Lifelong learning	2,750	169,211
Annual conference	-	463,410
Interest	478	6,944
Other	22,923	727
Government assistance (Note 12)	81,869	-
	<u>368,111</u>	<u>957,988</u>
Expenditures		
Administration	425,821	444,871
Communications	3,000	25,023
Lifelong learning	17,646	125,331
Committees and Board	23,617	88,161
Annual conference	-	414,398
Regions and sections distribution of annual conference	-	18,506
National office conference expenses	4,770	38,662
Awards and sponsorship	-	14,750
Interest on transfer payable - Second Century Fund (Note 10)	27	54
Financial charges	27,263	39,287
Bad debt	-	16,187
Other	-	1,773
Amortization - property and equipment	3,763	3,990
Amortization - software	18,321	16,067
	<u>524,228</u>	<u>1,247,060</u>
Deficiency of revenue over expenditure for the year	<u>\$ (156,117)</u>	<u>\$ (289,072)</u>

See accompanying notes

THE CANADIAN SOCIETY FOR CIVIL ENGINEERING
STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED DECEMBER 31, 2020

	2020	2019
Operating activities		
Deficiency of revenue over expenditure for the year	\$ (156,117)	\$ (289,072)
Adjustments for		
Amortization - property and equipment	3,762	3,990
Amortization - software	<u>18,321</u>	<u>16,067</u>
	(134,034)	(269,015)
Net change in non-cash working capital items		
Decrease (increase) in accounts receivable	44,181	(13,608)
Decrease in government remittances receivable	9,856	101,901
(Increase) decrease in conference advances	(3,973)	1,996
Decrease (increase) in prepaid expenses	5,097	(18,049)
(Decrease) increase in accounts payable and accrued liabilities	(98,453)	66,499
Increase (decrease) in government remittances payable	10,875	(16,434)
(Decrease) increase in deferred revenue	(6,974)	24,767
Increase (decrease) in unearned competition revenue	<u>1,078</u>	<u>(33,777)</u>
Cash used in operating activities	<u>(172,347)</u>	<u>(155,720)</u>
Investing activities		
Purchase of property and equipment	(119)	(6,551)
Purchase of software	<u>(10,299)</u>	<u>(21,971)</u>
Cash used in investing activities	<u>(10,418)</u>	<u>(28,522)</u>
Financing activities		
Increase in operating demand loan	119,460	169,322
Interest earned in transfer payable - Second Century Fund	27	54
Decrease in transfer payable - Second Century Fund	(1,356)	(1,356)
Proceeds from Canada Emergency Business loan	60,000	-
Repayment to Second Century Fund	1,356	1,356
Donation to Second Century Fund	<u>-</u>	<u>5,200</u>
Cash provided by financing activities	<u>179,487</u>	<u>174,576</u>
Decrease in cash and cash equivalents	(3,278)	(9,666)
Cash and cash equivalents, beginning of year	<u>405,080</u>	<u>414,746</u>
Cash and cash equivalents, end of year	<u>\$ 401,802</u>	<u>\$ 405,080</u>
Cash and cash equivalents consist of:		
Cash and cash equivalents (Note 4)	\$ 295,738	\$ 300,399
Cash - restricted	<u>106,064</u>	<u>104,681</u>
	<u>\$ 401,802</u>	<u>\$ 405,080</u>

See accompanying notes

THE CANADIAN SOCIETY FOR CIVIL ENGINEERING

NOTES TO THE FINANCIAL STATEMENTS

AS AT DECEMBER 31, 2020

1. **Nature of the organization**

The objective of The Canadian Society for Civil Engineer ("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.

The Society is incorporated under Section 211 of the Canada Not-for-profit Corporations 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 15.

2. **Impact of COVID-19 pandemic**

On March 11, 2020, the World Health Organization categorized COVID-19 as a pandemic. The potential economic effects within the entity's environment and in the global markets, possible disruption in supply chains, and measures being introduced at various levels of government to curtail the spread of the virus (such as travel restrictions, closures of non-essential municipal and private operations, imposition of quarantines and social distancing) could have a material impact on the entity's operations.

The pandemic has had a negative effect on its operations and revenue commencing in March 2020. The financial impact of the pandemic resulted in a drop in revenues for the periods of March 2020 to December 2020.

In order to mitigate the impact of the crisis on its operations, the organization applied for the Canada Emergency Business Loan, Temporary Wage Subsidy, Canada Emergency Wage Subsidy and Canada Emergency Rent Subsidy government relief measures, for which it was eligible, as described in Notes 11 and 12.

3. **Significant accounting policies**

These financial statements are prepared in accordance with Canadian accounting standards for not-for-profit organizations. The significant accounting policies are detailed as follows:

(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.

THE CANADIAN SOCIETY FOR CIVIL ENGINEERING

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AS AT DECEMBER 31, 2020

3. Significant accounting policies (cont'd.)

(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 and cash equivalents and accounts receivable.

Financial liabilities measured at amortized cost include operating demand loan, accounts payable and accrued liabilities, transfer payable and Canadian Emergency Business loan.

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, over 5 years for the database software and over 5 years for website costs.

(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 are received or 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. This Fund is accounted for as an endowment and is administered by a three member committee. Cash held by the Society on behalf of the Fund is presented as restricted cash.

THE CANADIAN SOCIETY FOR CIVIL ENGINEERING
NOTES TO THE FINANCIAL STATEMENTS
AS AT DECEMBER 31, 2020

3. Significant accounting policies (cont'd.)

(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.

(g) Government assistance

Government and other grants related to property and equipment are accounted for as deferred government assistance and amortized on the same basis as the related property and equipment. Operating grants are accounted for as revenue when earned.

4. Cash and cash equivalents

Included in cash and cash equivalents are Guaranteed Investment Certificates bearing interest at 0.15% and 1.20%, maturing between June 2021 and September 2021 (2019 - bearing interest at 1.25%, maturing between April 2020 and September 2020).

5. Accounts receivable

	<u>2020</u>	<u>2019</u>
Trade receivables	\$ 33,545	\$ 87,715
Government assistance receivable (Note 12)	<u>9,989</u>	<u>-</u>
	<u>\$ 43,534</u>	<u>\$ 87,715</u>

6. Property and equipment

	<u>2020</u>			<u>2019</u>
	<u>Cost</u>	<u>Accumulated amortization</u>	<u>Net</u>	<u>Net</u>
Property and equipment	<u>\$ 30,430</u>	<u>\$ 29,169</u>	<u>\$ 1,261</u>	<u>\$ 4,904</u>

7. Software

	<u>2020</u>			<u>2019</u>
	<u>Cost</u>	<u>Accumulated amortization</u>	<u>Net</u>	<u>Net</u>
Database software	\$ 84,236	\$ 69,525	\$ 14,711	\$ 26,053
Website costs	<u>30,400</u>	<u>10,280</u>	<u>20,120</u>	<u>16,800</u>
	<u>\$ 114,636</u>	<u>\$ 79,805</u>	<u>\$ 34,831</u>	<u>\$ 42,853</u>

THE CANADIAN SOCIETY FOR CIVIL ENGINEERING
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8. Operating demand loan

The Society has available an operating demand loan of \$600,000 (2019 - \$500,000), due on demand and bearing interest at prime plus 1.6% (2019 - prime plus 1.25%) per annum on all outstanding borrowings. The loan is secured by deposit instruments in the amount of \$400,000 in the name of the Society, and present and future moveable property of the Society for \$500,000.

9. Accounts payable and accrued liabilities

	<u>2020</u>	<u>2019</u>
Trade payable and accrued liabilities	\$ 60,547	\$ 173,455
Government assistance payable (Note 12)	<u>14,456</u>	<u>-</u>
	<u>\$ 75,003</u>	<u>\$ 173,455</u>

10. Transfer payable - Second Century Fund

In 2016, the Board approved the transfer of funds from the Second Century Fund for the purpose of funding a corporate marketing plan. The amount of funds transferred was \$70,616 and has been recorded as a reduction of the committee and board expense. A portion of the funds was required to be repaid as follows:

Transfer payable to the Second Century Fund, repayable in five equal payments, bearing interest at 2% per annum, payable annually and maturing December 2021. Interest of \$27 (2019 - \$54) was incurred during the year.	\$ 1,356
Less current portion	<u>1,356</u>
Due beyond one year	<u>\$ -</u>

Estimated repayments are as follows:

2021	<u>\$ 1,356</u>
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THE CANADIAN SOCIETY FOR CIVIL ENGINEERING

NOTES TO THE FINANCIAL STATEMENTS

AS AT DECEMBER 31, 2020

11. **Canada Emergency Business loan**

During the year, the organization applied for and received the Canada Emergency Business Account (“CEBA”) funded by the Government of Canada which provides for a \$40,000 interest free revolving line of credit to eligible entities. As of December 4, 2020, the Society applied and received an additional \$20,000 CEBA loan, on top of the \$40,000 already available. The line of credit will cease revolving on December 31, 2020 and no further advances will be made after December 31, 2020. On April 1, 2021, the outstanding balance of the BMO Credit Line for Small Business account as at December 31, 2020 will automatically convert to a non-revolving term loan. Repaying the balance of the loan on or before December 31, 2022 will result in a loan forgiveness of 25% on the initial \$40,000 and 50% on the next \$20,000 (up to \$20,000). On January 1, 2023, the outstanding balance of the non-revolving term loan as at December 31, 2022 will bear interest at 5% per annum.

12. **Government Assistance**

The organization has applied and received government assistance for the Canada Emergency Wage Subsidy (CEWS) and the Temporary Wage Subsidy (TWS) programs which helps businesses by subsidizing a portion of the employees' wages during the COVID-19 pandemic. To be eligible, the organization must remain open, continue to pay salary and other remunerations to eligible employees and experience a decrease in gross revenues. Management has determined that the organization meets the criteria under CEWS and TWS and has received an amount of \$89,722 for the periods between March and December 2020, of which \$75,266 is recorded as revenue and \$14,456 is recorded in accounts payable and accrued liabilities at year-end. Included in accounts receivable is an amount of \$3,387.

The organization has also applied for government assistance for the Canada Emergency Rent Subsidy (CERS) program which helps Canadian businesses, non-profit organizations, or charities who have seen a drop in revenue during the COVID-19 pandemic cover part of their commercial rent or property expenses. Management has determined that the organization meets the criteria under CERS and has recorded an amount of \$6,602 for the periods between September and December 2020, as revenue, of which \$6,602 is recorded in accounts receivable at year-end.

THE CANADIAN SOCIETY FOR CIVIL ENGINEERING
NOTES TO THE FINANCIAL STATEMENTS
AS AT DECEMBER 31, 2020

13. Commitments

(a) Office space

During the current year, the Society entered into a lease agreement at a new premises commencing April 1, 2020 and expiring June 30, 2025. The minimum annual lease payments are as follows:

2021	\$ 37,000
2022	37,000
2023	37,000
2024	37,000
2025	<u>19,000</u>
	<u>\$ 167,000</u>

(b) Regional rebates

Upon board approval, the Society offers a rebate of up to 10% of their membership fees to the Regions.

(c) Engineering Institute of Canada core program fee

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

14. 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.

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15. 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 Québec Taxation Act.

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.

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 realized income earned in the fund is available for disbursement. The Fund is administered by a three member committee appointed by the Society.

	<u>2020</u>	<u>2019</u>
Assets		
Cash	\$ 5,173	\$ 652
Investments	358,569	336,806
Accounts receivable	<u>14,104</u>	<u>14,447</u>
Net Funds	<u>\$ 377,846</u>	<u>\$ 351,905</u>
Trustees Fund		
Balance, beginning of year	\$ 219,215	\$ 200,580
Interest and other income	1,257	1,638
Dividends	3,072	2,219
Capital gain (loss)	8,905	(2,583)
Fair value gain	12,060	21,981
Foreign exchange (loss) gain	(69)	36
Donations	3,897	6,215
Awards and other expenses	<u>(6,625)</u>	<u>(10,871)</u>
Balance, end of year	<u>\$ 241,712</u>	<u>\$ 219,215</u>
Jamieson Fund		
Balance, beginning of year	\$ 132,691	\$ 120,961
Interest and other income	761	1,334
Dividends	1,860	1,807
Capital gain (loss)	2,438	(2,104)
Fair value gain	7,300	17,904
Foreign exchange (loss) gain	(42)	30
Donations	1,910	1,505
Awards and other expenses	<u>(2,406)</u>	<u>(8,746)</u>
Balance, end of year	<u>\$ 144,512</u>	<u>\$ 132,691</u>

THE CANADIAN SOCIETY FOR CIVIL ENGINEERING
NOTES TO THE FINANCIAL STATEMENTS
AS AT DECEMBER 31, 2020

16. Financial instruments

Transactions in financial instruments may result in an entity assuming or transferring to another party one or more of the financial risks described below. The required disclosures provide information that assists users of financial statements in assessing the extent of risk related to financial instruments.

(a) Credit risk

Credit risk is the risk that one party to a transaction will fail to discharge an obligation and cause the other party to incur a financial loss. The organization reduces its exposure to credit risk by performing credit valuations on a regular basis; granting credit upon a review of the credit history of the applicant and creating an allowance for bad debts when applicable. The organization maintains strict credit policies and limits in respect to counterparties.

(b) Liquidity risk

Liquidity risk is the risk that the organization cannot repay its obligations when they become due to its creditors. The organization reduces its exposure to liquidity risk by ensuring that it documents when authorized payments become due; maintains an adequate line of credit to repay trade creditors as they become due.