

CSSE Newsletter

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The President's Remarks

As I compose this month's President's Remarks, I am sitting in my office, looking out at a blanket of fresh white snow, which is continuing to fall. This is the first snow of the 2017/2018 winter season in Regina and I have to say it came far too soon! But, with snow comes the festive holiday season, which means it is getting close to the end of the year, which means... It is time to renew your CSSE membership!

You will be receiving your membership notices in the near future. We look forward to having everyone back as renewed members. For your information, TABLE 1 below provides our current membership numbers by jurisdiction.



President Shawna Argue

TABLE 1

Province/Territory	2016	2017	Difference	Growth Opportunity
NL	1	1	0	X
PEI	0	0	0	X
NS	10	9	-1	
NB	2	1	-1	X
QC	18	18	0	
ON	42	36	-6	
MB	12	15	3	
SK	15	21	6	
AB	36	32	-4	
BC	35	35	0	
YT	0	0	0	X
NT	2	2	0	X
NU	0	0	0	X

As you can see from the above table, our numbers didn't decline that much, but we definitely have some areas in the country where we have some opportunities for growth. I am looking to each one of you to recruit some new members. In order to remain viable, we must grow in numbers.

I recently accompanied the APEGS President-Elect to the Engineers and Geoscientists Manitoba Ingenium Conference and Annual Meeting. There, I had the opportunity to visit with CSSE Member, **Dave Ennis** and he had a great pitch line for recruiting members now for the 2018 membership year...

The President's Remarks

"Where else can you get a 14 month membership for the price of 12 months?"

Many of our branches have had success in recruiting new members over the years through the use of letters, personal contacts etc. If you require some tools to work on membership recruitment, please contact myself or CSSE Secretary **Margaret Kuzyk** and we will help you out.

I also want to take this opportunity to thank two of our Calgary members, **Leo Flaman** and **Tony Howard**, for accepting the challenge of organizing our 2018 Annual Meeting. It will be held in Calgary on May 12. **Leo** and **Tony** are busy working out the details and I look forward to having them share their plans with us in the New Year.

I wish all of you and your families the best of the festive season and I look forward to continuing to work with you in 2018.

In Memoriam

Jack Mollard (Regina)

Les Wardrop (Winnipeg)

Members in the News

Jim Gordon of Pointe Claire has completed his memoirs, "Jim's Journeys". 464 pages and almost 2,000 mostly color photos and illustrations of his life during 66 years in the hydro consulting business. They have been added to the EIC history website and can now be downloaded from - <http://eic-ici.ca/history/>.

On October 16 **Guy Van Uytven** of Sooke, B.C. was an invited speaker and panelist at the CERI 2017 Electricity Conference - "Opportunities and Challenges to Greening the Canadian Electricity System", at the Calgary TELUS Convention Centre.

Alan Winter of Victoria has been appointed as Adjunct Professor at the University of Victoria.

On October 11 in Victoria, **Ken Putt** and **Guy Van Uytven** made presentations to the B.C. Utilities Commission in their Site 'C' hydro-electric power inquiry.

100th Anniversary of the Quebec Bridge

Construction was ultimately completed on September 20, 1917, at a total cost of \$25 million and 88 bridge workers' lives. On October 17, 1917, a locomotive used it to cross the St Lawrence River. On December 3, 1917, it was opened to normal railway traffic, after almost two decades of construction. Its center span of 549 meters (1800 ft.) remains the longest cantilevered bridge span in the world and is considered a major engineering feat.

New & Returning Members

John Harris (Oakville)

2018 Fellowship Nominations

The closing date for submission of nominations for 2018 CSSE fellowships, to be presented at the Honours and Awards Dinner following our AGM in May 2018, is November 30, 2017. Please submit completed applications to Director **Fred Otto**, Chairman of CSSE's Honours and Awards Committee at fotto@interbaun.com. Detailed guidance for the preparation of nominations is given in the applicable CSSE Standard Operating Procedure (SOP). The rules and form are posted on our website. Also, you can contact our Secretary, **Margaret Kuzyk**, at margaret.kuzyk@sasktel.net, or info@seniorengineers.ca, as a source for the applicable SOPs.

Save the date for the 2018 Annual Meeting May 12 in Calgary

More details to follow.

From Sea to Sea to Sea ... Current and Coming Events

MARITIMES (Contact: **Dan MacDonald**, danm@cbcl.ca)

QUEBEC PROVINCE (Contact: **Jean-Guy René**, jg.rene@sympatico.ca)

MONTREAL (Contact: **Bill Altimas**, waltimas@hotmail.com or **Bill Matthews**, williammatthews777@me.com) The Montreal group meets at the Manoir Resto in Pointe Claire on the first Monday of each month for lunch.

Report from Montreal Branch of CSSE for Year 2017

The Quebec Branch of the CSSE has 18 members. Approximately every three months a presentation lunch is held at the Royal Saint Lawrence Yacht Club in Dorval, Quebec. They also have informal lunches on the first Monday of every month at the Le Manoir Brasserie on Saint John in Pointe Claire. For the technical presentations there are upwards of twenty persons who attend as guests are also invited.

In 2017, three presentations were made.

Presentation 1: The first presentation was by Eng. **William Altimas**, formerly of Monenco and SNC Lavalin. **Mr. Altimas** presented on Water Issues and the Budapest Water Summit on January 12, 2017.

Presentation 2: The second presentation was by Eng **Michael King** of SNC Lavalin. **Mr Mike King** spoke on Climate Change and the Coming of the Mini Ice Age on September 13 2017.

Presentation 3: The third presentation was given by Eng. **Jim Gordon** formerly of Monenco. **Mr Jim Gordon** presented on the Brazeau Incidents during the construction of the Brazeau Hydroelectric Project in Alberta. This presentation was given on November 15, 2017.

During the past year the Montreal Branch lost Eng. **Tom Madanda**, a key member of the CSSE Quebec Branch, who worked in various management capacities in the Montreal Branch from 2000 to 2015 until he was incapacitated from a stroke. **Tom Madanda** was a very supportive and friendly engineer. His career with Alcan, Monenco, Cartier and SNC Lavalin spanned many decades and many continents. He had the reputation of an engineer you would go to if you had problems on a project or a design.

ONTARIO (Contact: **Jon Jennekens**, jonorah@rogers.com)

THE GREATER OTTAWA AREA (Contact: **Tony Thatcher**, jathat@rogers.com)

The Ottawa Chapter (known to several members as "The Old Farts") meets at The KS Restaurant on Daze Ave., south of Southgate Shopping Mall, usually on the 3rd Monday of the month, at 11:30 for lunch at 12:00 and a speaker.

Nov. 20. An Overview of In-flight Icing of Aircraft (**Dick Kind**)

Jan. 15. Building the Panama Canal (**Mike Taylor**)

Feb. 19. Engineering a Better Canada (**Arnold Eyre**)

THE GREATER TORONTO AREA (Contact: **Jerry Cuttler**, jerrycuttler@rogers.com)

Recruit a New Member!

If you have a friend who is not a CSSE member, simply refer her or him to the CSSE website at www.seniorengineers.ca.

From Sea to Sea to Sea ... Current and Coming Events

(Continued from page 3)

MANITOBA (Contact: **Dave Ennis**, ns2@mymts.net)

The Manitoba chapter meets in the APEGM offices

Manitoba (Winnipeg) Branch Report - CSSE May to October 2017

The Manitoba Branch notes with sadness the passing of a long-time member **William Leslie (Les) Wardrop**, two months prior to his 102nd birthday. On the brighter side, at University of Manitoba's recent Home Coming event the Faculty of Engineering celebrated its 110th Anniversary. A recognized attendee was **Len Bateman** who had graduated 75 years earlier. No others from the Class of 1942 joined him.

The activities within the Manitoba Branch since the 2017 AGM have been lunchtime gatherings with a presentation. The sessions are held at the premises of Engineers Geoscientists Manitoba and typically attract an audience of 30 engineers. Our Branch enjoys a good relationship with Engineers Geoscientists Manitoba, which provides the venue at no charge and processes the event registrations and payments online. We do not restrict attendance to CSSE members. Under an understanding with IEEE, its Manitoba based Life Members receive the event notices.

The lunch-time events have been:

May 29, 2017 - CPR Yards Crossing Study: Replacing the Arlington Bridge

September 26, 2017 - Technology for Seniors: More than Just TwitBook

October 30, 2017 - MotiveLab: Testing Equipment for the Reality of Manitoba's Climate

Dave Ennis

Manitoba Branch

SASKATCHEWAN (Contact: **Pieter Van Vliet**, p.vanvliet@sasktel.net)

ALBERTA (Contact: **Fred Otto**, fotto@interbaun.com)

CALGARY (Contact: **Chan Wirasinghe**, wirasing@ucalgary.ca)

The Calgary chapter meets 9 times a year at the Danish Canadian Club on the second Monday of each month with the exception January, July and August.

Meetings are from 11:30 am to 1:00 pm

EDMONTON (Contact: **Nick Malychuk**, nmaly@telus.net)

The Edmonton Chapter meets at Chateau Louis Conference Centre, 11727 Kingsway on the 3rd Thursday of the month, at **11:30 a.m.**, with a buffet lunch at 12:00, followed by a speaker.

Oct. 19. Waste Conversion Innovations at the Edmonton Waste Management Centre (**Ibrahim Karidio**, Thermo Chemical Engineer, City of Edmonton).

Nov. 16. A detailed presentation on the work in the nanoFAB to showcase what is happening on campus at the UA. (**Eric Flaim**, PhD, Director University of Alberta - nanoFAB)

On September 16 2017 **Nick Malychuk** presented the CSSE donation cheque to **Lucio Gelmini** (left) a member of the Alberta Science Network Board of Directors.



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From Sea to Sea to Sea ... Current and Coming Events

(Continued from page 4)

CSSE Edmonton Branch Report, October 2017

The CSSE donations to the Discover E and the Alberta Science Network (ASN) were presented during the summer.

The Edmonton Branch program of monthly lunch and speaker meetings continues as in the past. Attendance at both events experienced a usual fall low attendance of less than 20 guests.

In September **John McDougall** spoke about Rethinking Canadian Infrastructure: A Strategic Northern Corridor. **John** served as President of the National Research Council from 2010 to 2016 and was President and CEO of the Alberta Research Council from 1997-2009.

His presentation was on an updated concept for a northern transportation corridor establishing a strategic 7,000 km right-of-way for transportation, power transmission and communications infrastructure based on local consultation and the negotiation of appropriate land usage rights. The right-of-way would connect three oceans and link to the existing (southern-focused) transportation network.

In October **Ibrahim Karidio**, PhD, PEng, MBA, Thermo Chemical Engineer, City of Edmonton, Edmonton, AB. "Waste Conversion Innovations at the Edmonton Waste Management Centre" .

Edmonton has turned the landfill crisis of the 1980s into an opportunity; the opportunity to lead the world in sustainable waste management. Today, using a multi-faceted approach that integrates innovation, science, community engagement, social marketing and education, Edmonton is leading the way towards a 90% diversion of residential solid waste from landfill. Most of this innovation is taking place at the Edmonton Waste Management Centre (EWMC), which is North America's largest collection of modern, integrated and sustainable waste processing and research facilities.

N Malychuk

BRITISH COLUMBIA (Contact: **Ken Putt**, kwputt@shaw.ca)

VANCOUVER (Contact: **Aidan Gordon**, aidan@gordoncrane.com)

The Vancouver chapter normally meets at 11:45, on the first Thursday each month at the Sutton Place Hotel, Burrard Street. (3-course lunch. Cost: Members \$45.00, guests \$50.00.)

VANCOUVER ISLAND (Contact: **Robin Black**, robinblack@shaw.ca)

The Vancouver Island chapter gathers for lunch at 11:30 A.M., on the first Friday (adjusted for holidays) September through June, at The Oak Bay Recreation Centre, Victoria.

- Nov. 3** CFB Esquimalt Major Capital Projects Overview (**Tim Flath** Lt Cdr (ret.))
- Dec. 1** Canada at a new crossroads: 25 years later. (**Jamie Sawchuk**, Deloitte and Touche)
- Jan. 5.** Canadian Medical & Biological Engineering Society (CMBES) (**Martin Poulin**, CMBES Past President)
- Feb. 2.** Canada's Space Program (**Mac Evans**, Former President, Canadian Space Agency)

Some of the speakers' notes are made available via Internet (with author's agreement).

Changed Your Coordinates?

If you have a new mailing (or emailing) address, please inform the CSSE Administration Office and the CSSE Newsletter Editor **Arnold Eyre** at arnoldeyre@outlook.com

Progress of CSSE Papers

"The Aging of our Vital Infrastructure and the Threat to Public Safety - an Engineering Responsibility" (Contact **Jean-Guy René**, at jg.rene@sympatico.ca or 613-821-5273) has been distributed to a representative of each province for distribution to local authorities of his or her choice.

Still being developed are:

- 1) "Re-advancing the Canadian Nuclear Industry" (Contact **Dan Meneley** at dan.meneley@sympatico.ca, or phone 705-657-9453.); and
- 2) "The Erosion of Canada's Manufacturing Sector - What Can Engineers Do About It?" (Contact **John Dinsmore** at johndins@videotron.ca, or phone 514-933-2112.).

For members who might be interested in leading a CSSE paper, there is a procedure to follow, available by contacting **Andy Jones** at andyjones@xplornet.com.

The CSSE Website: www.seniorengineers.ca

By *Andy Jones*

The CSSE web site continues to grow and improve. However, it is only as successful as the information that is placed there. If you have a photo of a project you worked on and think it would be of interest to others send it to andyjones@xplornet.com. The same with if you know of something a CSSE member has done that can be entered into "members spotlight". The French version is now available at <http://seniorengineers.ca/scis/> and I'm looking for edits and corrections.

Correspondence with the CSSE Administration Office

All "snail-mail" correspondence, including cheques, and enquiries, should be sent to:

The Canadian Society of Senior Engineers
464 Briar Avenue
Ottawa, Ontario
K1H 5H6

administrator@seniorengineers.ca

Phone calls: 613-890-9363

Dues and donations can be paid securely by credit card by going to the "Members" page at the CSSE website www.seniorengineers.ca