

# CSSE Newsletter

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## The President's Remarks

First good news, we are officially the Canadian Society of Senior Engineers. Thanks to our administrator, **John Kizas**, our correct name is now legalized.

And the second project was to enhance our campaign to increase the membership, by developing and producing a poster to use at a conference, presentation, etc. *The poster is shown on the following page.*

The unveiling of this proposal was at Engineer's Nova Scotia AGM September 18-19, 2019 in Halifax, NS. The AGM was very successful with over 250 people attending. There was good exposure at the booth, we had a one-page handout identifying what CSSE-SCIS is and what we do, and directions to the website for becoming a member. We have several interested individuals that we are following up on. Of interest several younger people stopped by and were very interested in the society.



President Dan MacDonald



Shown left to right,  
**Dan MacDonald**, President  
CSSE-SCIS,  
**Lorne Martin**, FEC, FCSSE,  
and **Sarah Devereaux**, FEC,  
FCSSE.

A member society of the  
Engineering Institute of Canada  
Une société membre de  
l'Institut canadien des ingénieurs



(Continued on page 2)

## The President's Remarks ... continued

We purchased three postures because of the economics of scale and to reduce shipping costs across the Country. They will be strategically placed across the Country for booths at conferences.

**Dan MacDonald**, M.A.Sc., P.Eng., FEC FCCSE  
President CSSE/SCIS

## Time once more for CSSE Fellowship nominations

The deadline is November 30, 2019 for submission of nominations for 2020 fellowships to be presented at the Honors and Awards Dinner following our AGM in May 2020.

Please submit completed applications to Director **Fred Otto**, Chairman of CSSE's Honours and Awards Committee at [fotto@interbaun.com](mailto:fotto@interbaun.com). Detailed guidance for the preparation of nominations is given in the applicable CSSE Standard Operating Procedures (SOPs). Also, rules and nomination form are posted on our website.

## Time once more for EIC award nominations

If you would like to nominate a colleague for a, EIC award, please contact: **Colin Smith**: [colinsmith.ca@gmail.com](mailto:colinsmith.ca@gmail.com).

The deadline is November 15th, 2019 and the description of the various awards are available at: [http://eic-ici.ca/honours\\_awards/nomination/](http://eic-ici.ca/honours_awards/nomination/).

## National News

### Compassionate professionalism and social responsibility

Dr. **Esam Hussein**, P.Eng., Ph.D., Professor and Dean of the Faculty of Engineering and Applied Sciences at the University of Regina wrote a good article on what an engineer need to be to face our twenty-first century challenges: <https://www.apegs.ca/e-Edge/Compassionate.html>.

### Nobody's Fuel

Thursday, August 29, 2019, **Brian Lightfoot**, released our film on nuclear energy: Nobody's Fuel - an engineer's guide to saving the planet.

Interesting U-Tube video available at [www.nobodysfuel.com](http://www.nobodysfuel.com).



We are a Member Society of the Engineering Institute of Canada

We Promote Intellectual Exchange and Fellowship

We Advocate for the Engineering Profession

We Recognize Engineering Achievements



From left to right: 2018 Incoming President Suzelle Barrington, George A. Beer, John Anthony Howard and Dena W. McMartin



**Esam Hussein**

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

### MARITIMES (Contact: **Dan MacDonald**, [danm@cbcl.ca](mailto:danm@cbcl.ca))

The Nova Scotia chapter manned a CSSE booth at Engineers Nova Scotia annual general meeting, with from the left, **Dan MacDonald** president CSSE and Fellowship award winners **Lorne Martin** and **Sarah Devereaux**.

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

#### MONTREAL (Contact: **Bill Altimas**, [waltimas@hotmail.com](mailto:waltimas@hotmail.com))

The Montreal group meets at the Manoir Resto in Pointe Claire on the first Monday of each month for lunch; also, at The Royal Saint Lawrence Yacht Club (The RSLYC) in Dorval, Quebec.



### ONTARIO (Contact: **Jon Jennekens**, [jonorah@rogers.com](mailto:jonorah@rogers.com))

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

The Ottawa Branch of the CSSE SCIS continues to hold its monthly lunch-seminars. Attendees include current members, former members, and friends from the Montreal Branch and others who are attracted by the seminar topics, their association with or knowledge of the guest speakers and the informative comment / question / answer sessions that follow the presentations. The informal / no fee approach seems to be an important factor. Attendance during 2018 ranged from 16 to 21 per meeting, invariably weather dependent.

The Ottawa Chapter meets at the KS Restaurant on Daze Avenue, south of Southgate Shopping Mall, usually on the 3rd Monday of the month, at 11:30 for lunch.

### MANITOBA (Contact: **Dave Ennis**, [ns2@mymts.net](mailto:ns2@mymts.net))

The Manitoba Chapter meets at the premises of Engineers Geoscientists Manitoba at 870 Pembina Highway in Winnipeg.

#### Looking for a book on Design?

Engineering Design is a complex process which even engineers themselves have difficulty in defining. **Ron Britton**, a CSSE/SCIS Past President, has now published his version. "Ron Britton brings rare insight into professional practice topics from a long and stalwart engineering career." As remarked by **Grant Koropatnick**, P.Eng., FEC., CEO & Registrar, Engineers Geoscientists Manitoba. The book is now available at: [www.ron.britton.ca](http://www.ron.britton.ca).

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

### ALBERTA (Contact: **Fred Otto**, [fotto@interbaun.com](mailto:fotto@interbaun.com))

#### EDMONTON (Contact: **Nick Malychuk**, [nmaly@telus.net](mailto:nmaly@telus.net))

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

This summer, CSSE awarded a donation of 1000\$ to the DiscoveryE program, at the University of Alberta. From left to right: **Fraser Forbes**, Dean, Faculty of Engineering, **Valerie Belisle**, Assistant Dean Advancement, Faculty of Engineering, **Fred Otto**, CSSE Director, **Sarah Toderian**, DiscoverE Outreach Coordinator, and **Jim Beckett**, CSSE Director.

DiscoverE is a student-delivered initiative of the University of Alberta's Faculty of Engineering. We focus on fun, accessibility and mentorship! We deliver high-impact classroom workshops,

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

unique clubs and events, and engaging summer camps to more than 27,000 youth every year, and our programs reach over 70 communities across Alberta, Northern British Columbia, Saskatchewan and the Northwest Territories. Our mission is to have children and youth recognize the value and importance of engineering, science and technology in today's world and consider the pursuit of related fields a fun, interesting and rewarding option for their future.



**CALGARY** (Contacts: **Chan Wirasinghe**, [wirasing@ucalgary.ca](mailto:wirasing@ucalgary.ca); **Leo Flaman**, [lflamn@shaw.ca](mailto:lflamn@shaw.ca))

Arrangements are made by **Leo Flaman** for The CSSE and The CSEM to hold joint luncheons. Registration for each luncheon at 11:30 am at The Danish Canadian Club.

Program for **Monday, October 21st, 2019 Time: 11:45 AM**

**Location: Danish Canadian Club, 727 - 11 Ave. SW (Tivoli Room)**

**Speaker: Darren Finney, P. Eng., Manager, Bonnybrook Program Delivery, Water Resources for the City of Calgary**

### **Topic: Bonnybrook Wastewater Expansion**

The Bonnybrook Wastewater Treatment Plant is the largest of Calgary's three wastewater treatment plants. Originally built in the 1930s, Bonnybrook has undergone significant modifications and upgrades over time to increase its treatment capacity to meet the needs of a growing city. Bonnybrook serves the city communities north of Glenmore Trail, as well as Cochrane, Airdrie and the Elbow Valley. The City of Calgary is investing over \$1 Billion in a program of extensive upgrades and expansions to the Bonnybrook Wastewater Treatment Plant. These investments are intended to protect the environment and accommodate our city's future growth. This expansion program will:

- Expand the capacity of the plant to treat wastewater;
- Accommodate population growth until the mid-2030s; and
- Increase energy efficiency and resiliency.

**To Register for the Calgary events:** Please contact Leo at [lflamn@shaw.ca](mailto:lflamn@shaw.ca) or go to the CSEM website: [www.csem-scgi.org/calgary.html](http://www.csem-scgi.org/calgary.html).

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

**VANCOUVER** (Contact: **Aidan Gordon**, [aidan@gordoncrane.com](mailto: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**, [rcbandassoc@shaw.ca](mailto:rcbandassoc@shaw.ca))

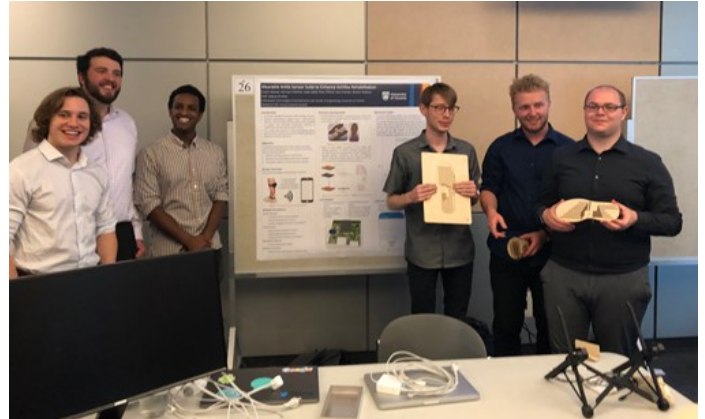
The Vancouver Island Branch, operating as the Vancouver Island Engineering Society (VIES), gathers for lunch at 11:30 A.M., on the first Friday (adjusted for holidays) October through May, at The Oak Bay Recreation Centre, Victoria. Please link to [www.viengsoc.ca](http://www.viengsoc.ca) for current activities and events, or [secretary@viengsoc.ca](mailto:secretary@viengsoc.ca) for specific enquiries.

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

In June of this year, 4 Victoria CSSE Fellows (**Black, Kjosness, Putt and Van Uytven**) judged the UVic EE499 Capstone showcase for 4th year students from Biomedical Engineering (BME), Electrical and Computer Engineering (EE) and Software Engineering (SE) disciplines.

The winning Team for the CSSE VIB Vancouver Island Engineering Society (VIES) Award for Innovation, Engineering, and Commercialization potential contained team members from all three of these programs.

They were: (from left to right) **Sam Charles, Ross Clifford, Isaac Sahle, Harrison Fletcher, Austin Sawyer, and Silvano Todesco.**



The VICTA (Vancouver Island Cosmic-ray Time-coincidence Array) project provides cosmic ray detectors and electronics to high school partners on Vancouver Island for use in their educational programs. The equipment provided allows high school students to detect cosmic ray showers, measure the lifetime and speed of muons, to perform a test of special relativity, and in general to develop an understanding of a radiation detector and how subatomic particles are detected. CSSE provides an annual \$1,000 grant.

On August 29th, Victoria CSSE Fellows made a presentation of the \$1,000 CSSE/SCIS donation to VICTA the Vancouver Island Cosmic-ray Time-domain Array project, currently implemented in four regional high schools. The VICTA program stimulates and inspires youth by awakening their curiosity and interest in science and engineering.



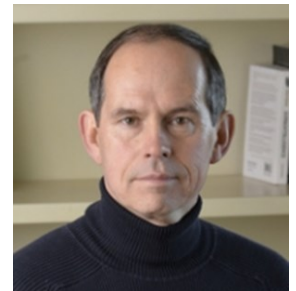
**Ken Putt** FCSSE presents a cheque for VICTA on behalf of CSSE to Prof. **Adam Ritz** with **Lyle Robertson**, FCSSE and **Lauren Stamhuis** of UVic Development.

For upcoming events on the Island:

November 1st: [AI - Issue, Challenges, Applications & Opportunities](#)

Peter Scott ,Author of Crisis of Control: How Artificial Super Intelligences May Destroy or Save the Human Race

December 6th: Update on the progress of the Victoria Wastewater treatment plant.



## Plan for the CSSE 2020 AGM

The executive committee has set the date for the 2020 Annual General Meeting: mark your calendar, it will be held on Saturday May 23rd. This year it will not interfere with Mother's Day!

## New and Returning Members

**Ted Kizior**  
(Spruce Grove, AB)

**Clayton Edward Tiedemann**  
(St. Albert, AB)

**Glen N. Cook**  
(Winnipeg, MB)

**Jeffrey Robert Knapp**  
(Port Williams, NS)

**Lionel Gunawardhana**  
(Calgary, AB)

## 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 [seniorengineers.ca](http://seniorengineers.ca). Dues for the balance of 2019 are \$50

## 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](mailto: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](http://www.seniorengineers.ca)

## Changed Your Coordinates?

If you have a new mailing (or emailing) address, please inform the CSSE Administration Office at [administrator@seniorengineers.ca](mailto:administrator@seniorengineers.ca) or (613) 890-9363 and the CSSE Secretary, Don Kjosness at [kjosness@telusplanet.net](mailto:kjosness@telusplanet.net).

# Connecting into our Engineering history at Ontario Tech University

## Engineering Archives at Ontario Tech University

In case you were wondering, since Spring 2019, the University of Ontario Institute of Technology (formerly UOIT) has a new name “Ontario Tech University” and it is also the home to our professional engineering archives.

### Where are the Archives?

Oshawa is located in the eastern Greater Toronto Area, the Archives can be found on the lower level of the Ontario Tech University Library on the North Oshawa campus or <https://guides.library.uoit.ca/archives>.

### What's in the Archives?

The Archives is the home to a wealth of archival information preserving the history and development of engineering in Canada. It includes extensive, eclectic collections documenting many National Engineering Organizations together with the professional papers of individual engineers..... and some really interesting photographs!

### Which National Engineering Organizations?

• Engineering Institute of Canada (EIC)*	1918-present day
• Canadian Society for Mechanical Engineering (CSME)*	1970-present day
• Canadian Academy of Engineering (CAE)	1987-2013
• Canadian Society of Senior Engineers (CSSE)	2002-present day
• Canadian Society for Civil Engineering (CSCE)*	1887-present day
• Canadian Nuclear Society	1979-2016
• Canadian Nuclear Association	1960s-2010
• and more ....	

\* I know EIC was the CSCE until 1918 and CSME was preceded by the Institution of Production Engineers which became the Institution of Manufacturing Engineering in 1991 ..... and so would you if you dug in to the archives!

### Whose professional papers?

- Andrew H Wilson
- Robert F Legget\*
- Michael Bozozuk\*
- James L Gordon
- Donald S Lawson
- Frederick C Boyd
- Norman L Williams
- and more ...

\* Two geotechnical/geological engineers! Check the archives for other disciplines....

### How can I use the Archives?

Finding aids to the Archives' holdings are online and can be readily accessed by any internet-capable device. Physical access is available by appointment only but online assistance is available. Paper copies of documents can also be obtained for a fee and there is a simple research request form that can be submitted by email [library.archives@uoit.ca](mailto:library.archives@uoit.ca)

### How can I contribute to the preservation of the history of my profession?

Contact the current CSSE Chair History and Archives Committee c/o [info@seniorengineers.ca](mailto:info@seniorengineers.ca)



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