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CSSE Newsletter



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President's Editorial

Dear Fellow Members,

As we continue our journey together through another impactful period, I am reminded of the enduring influence senior engineers have on our profession and our communities. With decades of experience behind us, we possess not only technical knowledge but also the wisdom to guide meaningful change.

The Canadian Society of Senior Engineers thrives because of your engagement. Whether it's through contributing to local chapter events, participating in discussions, or offering mentorship, your involvement strengthens our collective voice and reinforces our commitment to lifelong learning and professional service.

Now, more than ever, our role includes paving the way for the engineers of tomorrow. Let us remain champions of mentorship, sharing our experiences and supporting emerging leaders as they take on the complex challenges of a rapidly changing world. Your encouragement and insight can make a profound difference in their development.

I invite you to stay connected, expand your professional networks, and continue to inspire through action. Together, we uphold the proud legacy of engineering in Canada and help ensure its future remains bright.

Warm regards,

Bill Rosehart, P.Eng, PhD, FCSSE, FEIC, FCAE
President, Canadian Society of Senior Engineers
Vice President (Academic), University of Guelph



President Bill Rosehart



CSSE Annual General Meeting (AGM)

The CSSE AGM will be held on May 9, 2025 via Zoom™.

Following the business aspects of this year's CSSE AGM, CSSE VP East, **Dan MacDonald**, P. Eng., FCSSE, FEC will be presenting the results from the Atlantic Wind Energy project he led, entitled, "Offshore Wind Nova Scotia."

This presentation discusses the emerging Offshore Wind Industry in Nova Scotia. The presentation will show why Nova Scotia is positioned to become a major 'Supplier of Offshore Wind Power.' All the initiatives that have been completed so far, including environmental studies, supply chain issues, as well as studies on facilities to meet the requirements for execution of the work i.e. Ports, manpower resources, including science, research and engineering opportunities will be discussed. Opportunities for new industries emerging from the use of the green electrons will be explored. Also, a brief discussion will be held on the current status of 'The US East Coast Offshore Wind Industry' with regard to the current political climate.



History and Archives

The EIC History and Archives Committee is led by **Suzelle Barrington** ing., agr., PhD, FCAE, FCSSE, FCSBE, FEC, FEIC (Chair) and **Michael Bartlett**.

Michael Bartlett, Ph.D., P.Eng., FACI, FCSCE, FIABSE is, once again, leading this year's Oral History Project. **Michael** submitted the following status report.



Oral history interviews - CSSE is one of ten constituent societies of the Engineering Institute of Canada (EIC) that is contributing to the second cycle of "Oral History Interviews to Preserve Canadian Engineering Achievements". The plan is to hire an intern to conduct oral history interviews in the summers of 2025, 2026, and 2027, and have close-captioned video recordings of these interviews archived at the Ontario Tech University Library's website (see <https://digitalcollections.library.ontariotechu.ca/engineering-institute-canada> for interviews already archived). The EIC is matching the funding received from its constituent societies, and an application has been submitted to Mitacs to match the combined constituent society and EIC funds in 2025 and 2026. If Mitacs supports this initiative (they have in the past), this will make \$17,500 available in each of these years. Western Public History Master of Arts student **Eric Norris** has accepted the offer to be the interviewer this summer and will start on May 5.

Canadian Academy of Engineering

The CAE, a member of the International Council of Academies of Engineering and Technological Sciences (CAETS),



and the CSSE have created a Memorandum of Understanding (MOU) for CSSE Members and CAE Fellows to collaborate more closely on initiatives of mutual interest, initially to pursue charitable opportunities to encourage young women to pursue education and careers in engineering. Liaison: **Ken Putt** kwputt@shaw.ca

Changed Your Coordinates?

If you have a new mailing (or emailing) address, please inform the CSSE Administration Office at administrator@seniorengineers.ca or (613) 795-9363.

Members in the News

Four CSSE Fellows, **Kevin Hall**, **Mina Hoofar**, **Michelle Mahovlich**, and **Colin Smith**, were recognized with King Charles III Coronation Medals for their contributions to Canada.



KING CHARLES III
CORONATION
MEDAL



Photo Left: Dr. **Mina Hoofar**, PEng, FCSSE, FCAE, FCSME Dean of the University of Victoria's Faculty of Engineering and Computer Science, was recognized for her professional career and community building accomplishments. Lieutenant Governor **Janet Austin**, OBC presented **Mina** with the King Charles III Coronation Medal.



Photo Right: **Michelle Mahovlich** receiving King Charles III CM from **Alistair MacGregor**, MP Cowichan-Malahat-Langford.



Photo Left: **Colin Smith** receiving King Charles III Coronation Medal from Lieutenant Governor **Janet Austin**, OBC.

No photo was available of **Kevin Hall's** King Charles III Coronation Medal presentation.

The Council of Canadian Academies has appointed **Soheil Asgarpour**, PhD, P. Eng., FCAE, FCIM, FCSSE, as Chair of the Board of Directors of the Council.



Recruit a New Member!

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

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: 613-795-9363

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

Honours and Awards Committee

2024 CSSE Fellowship Awards

CSSE - Fellowships are awarded annually to Canadian Engineers who have distinguished themselves in academic or practice pursuits over a minimum of twenty years since graduation. Nominations have been rigorously reviewed by the CSSE Honours and Awards Committee. Thanks to CSSE Members who nominated this slate of accomplished Engineers. The adjudicated slate of new 2025 CSSE Fellows will be tabled at the AGM.

For information: Chair **Colin Smith** colin.smith.ca@gmail.com

Regional News

Quebec

Contact **Suzelle Barrington**, PhD, P.Eng., FCAE, FCSSE for more information on the [Montreal Chapter](#) of the Canadian Academy of Engineering and the [Montreal CSSE Chapter](#).

suzelle.barrington@consumaj.com.

Manitoba

Contact **Dave Ennis**, FCSSE, Chair of the [CSSE Winnipeg Chapter](#) for information on the next meeting at dave.ennis18@outlook.com.

Alberta

[CSEM/CSSE Calgary](#) - CSSE Calgary members are invited to attend the CSEM monthly luncheons.

The Calgary Section of the Canadian Society for Engineering Management (CSEM-Calgary) conducts a series of luncheons on topics related to engineering management. Their venue will be changing for future events, so access the CSEM Calgary website for updates. <http://www.csem-scgi.org/calgary.html>.

The [Edmonton Chapter](#) holds monthly Zoom meetings with an invited speaker. **Tom Madsen** is the Zoom Coordinator and sends out monthly meeting invitations which provide more details on the speaker and topic a couple of weeks prior to meeting. Meetings are normally held on the third Thursday of the month starting at 12:45 PM *Mountain Time* and with Q and A's to follow. Due to speaker availability it is periodically necessary to move the meeting to a different day, usually the Wednesday preceding or the Friday following the third Thursday.



Regional News (Continued)

Friends and colleagues are welcome to join such Zoom meetings. If you are aware of individuals whom you think would be interested in participating in these meetings please forward this notice to them. Anyone not on the Edmonton Chapter mailing list who would like to receive the more detailed monthly meeting invitations should contact **Tom Madsen**. tcmadsen@telus.net

Thursday, April 17, 2025 - Speaker: **Bob Emmott**, PEng, President and Chief Executive Officer, Maxim Power Corporation - Topic: Is Nuclear Still an Option for Electrical Generation in Alberta?

Thursday, May 15, 2025 - Speaker: **Leon Sutherland**, PEng, Director of Engineering - Capture, Deep Sky Climate - Topic: The Size of the CO2 Direct Air Capture Market and Deep Sky's Role

Thursday, June 19, 2025 - TBD

British Columbia

CSSE Vancouver Island Branch / Vancouver Island Engineering Society (VIES)

2025 Spring Program: Technical Speaker Series and Events

MAY 2 ND	<i>*Rescheduled from January*</i> Quantum Computing Evolution	Prof, Hausi Muller Faculty of Computer Science and Engineering University of Victoria
JUNE 6 TH	<i>*In-Person - Location TBD*</i> UVic/Bombardier Cooperation re Unmanned Aerial Vehicles	Prof. Afzal Suleman Faculty of Computer Science and Engineering University of Victoria

VIES NEWS - Follow us on LinkedIn!

Stay connected with VIES by following the VIES LinkedIn page, where timely updates on VIES events are provided and relevant engineering news from around Vancouver Island and beyond are shared in order to keeping the VIES community informed and engaged.

This LinkedIn presence is an essential platform for staying up to date with our latest activities, discussions, and developments. <https://www.linkedin.com/company/viengsoc>

Scholarships and Awards

VIES supports three endowed scholarships for Engineering and Computer Science students at UVic:

- A CSSE EIC Vancouver Island Award for graduates of area high schools;
<https://extrweb.uvic.ca/donate-online/csse-eic>
- A Bonnie and Ken Putt Award for women engineering students;
<http://extrweb.uvic.ca/donation/bonnie-ken-putt>
- A VIES Leaders Entrance Award to attract highly accomplished new engineering students;
<https://extrweb.uvic.ca/donate/vies-leadership>

New Members

Jens Weber, PEng, PhD is the Associate Dean, Professional Programs and Development in the Faculty of Engineering and Computer Science at the University of Victoria. He is a licensed Software Engineer with an interest in safety and security-critical software-intensive systems. Dr. **Weber** received his formal academic training in Germany. He studied Software Engineering (Ingenieur informatik) at the Technical University of Dortmund and received his degree from the University of Paderborn (summa cum laude). He became a faculty member at UVic in 1999 where he helped develop courses in support of a new Software Engineering degree program at UVic. Dr. **Weber** served as the Director for the accredited Bachelor of Software Engineering degree program from 2007-2014. Dr. **Weber** has always worked intensively with industry on joint projects and also as part of his consultancy partnership firm. He was an industry research fellow with the BC Advanced Systems Institute from 2004-2008. Dr. **Weber** has been licensed with Engineers and Geoscientists BC as a professional engineer since 2009. He has volunteered with EGBC in various capacities, including two membership terms on the Software Engineering Advisory Group and two terms on the EGBC Board. He is a co-author of two EGBC practice guidelines on developing safety and security critical software.



Member Publications

Canada Needs Policies to Fill the Gap in its Nuclear Fuel Cycle

Esam Hussein, PhD, P.Eng., FCSSE Emeritus Professor, University of Saskatchewan and University of New Brunswick published the paper linked below.

Abstract: The Government of Canada recently identified a site in Ontario for the storage of spent nuclear fuel. The decision opens the door to Canada becoming fully engaged in the nuclear fuel cycle. To date, Canada's role in nuclear power has been limited to the mining, manufacturing natural-uranium fuel bundles for CANDU reactors, and export of uranium as well as the commercial development and sale of nuclear reactors. There have been no legal impediments for Canada to engage in the full nuclear fuel cycle. Rather, the absence of clear policies on enrichment and reprocessing has impeded the domestic development of important related technologies

<https://www.schoolofpublicpolicy.sk.ca/research-ideas/publications-and-policy-insight/policy-brief/policy-paper-nuclear-fuel-cycle.php>

Summary posted at <https://www.schoolofpublicpolicy.sk.ca/research-ideas/publications-and-policy-insight/jsqs-policy-brief.php>

