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info@saebritishcolumbia.org

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RESCHEDULED EVENT: 'POWERTECH TOUR'

Powertech



WHEN: May 6, 2019, starting at 6:00 PM

WHERE: [12388 - 88th Ave, Surrey, British Columbia](#)

WHAT: Join us for a fascinating tour of Powertech Labs! Powertech is a one-stop-shop for businesses seeking expertise in engineering, standards and code testing, quality testing and failure analysis services. The tour will consist of a short presentation about Powertech, followed by a 45 minute tour of the facilities. The tour will include the mechanical lab, microscopy lab, high voltage lab, and hydrogen & EV stations.

Note: Entry gate closes at 6:30 pm so we require all guests to arrive by 6pm. Also, tour is limited to a total of 15 participants, so sign up soon!

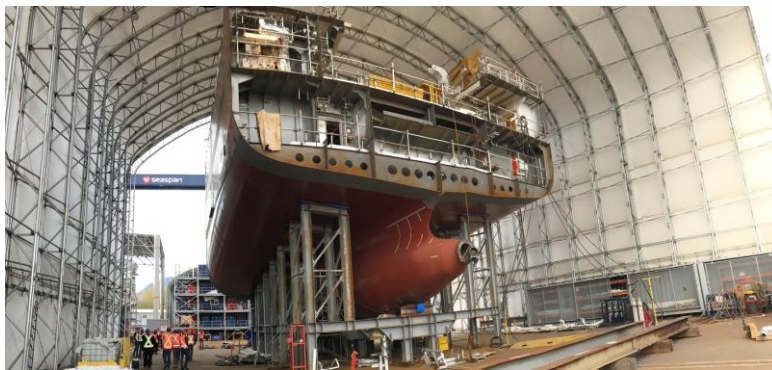
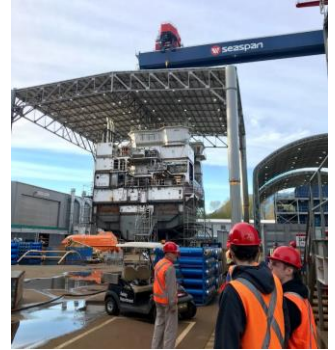
Food and drinks will be provided.

RSVP: [RSVP using this link: register.saebritishcolumbia.org](#)
And email: info@saebritishcolumbia.org for more information.

COST: *Free for student members, \$5 for SAE professional members, \$5 for student non-members, \$10 for non members*

SUMMARY OF LAST EVENT: 'SEASpan TOUR'

This past April (2019), SAE was invited to visit Seaspan's Vancouver Shipyards in North Vancouver, BC. Seaspan is a marine transportation company that builds ferries, tugboats, and barges for various clients. During the visit, Seaspan was repairing a barge for Vancouver Pile Driving while also constructing science vessels for the Canadian Coast Guard. The large scale of Seaspan's production facilities which includes a crane with a 300 ton capacity (nicknamed "Big Blue") and a one-sided welder which fills a large warehouse was especially impressive. During the tour, we saw different modules which would be welded together to complete a science vessel. In particular, we saw the engine deck which housed 3 diesel engines which will provide power and electrically drive the ship. We also saw a majority of the process of building a fuel tank module which stood about 3 stories tall. This starts from plasma cutting out of sheet metal to welding and forming to finally sand blasting both halves of the module prior to more welding.



With the National Shipbuilding Strategy, Seaspan also plans to build non-combat joint support ships (JSS) for the Royal Canadian Navy. The JSS will roughly be 100 meters longer than the science vessels and will be one of the largest ships Seaspan will build. The support ship will be tasked with refuelling other navy ships while at sea. This presents an interesting engineering challenge as winches would be unable to maintain the constant tension required under changing sea conditions. Naval engineers ultimately chose large air springs as their solution. We were graciously hosted by Mr. Brad Moe – Welding Specialist, Cdr Robert (Bear) D'Eon – Detachment Commander, Lt(N) Tyler (TJ) Burke – Marine Systems Engineering Officer, and CPO2 Duane (Sunny) Gall – Seamanship Chief (Coxswain). Seaspan's Vancouver Shipyards was founded in 1902 and is a part of the Washington Companies.

QUESTION OF THE MONTH

Every month we will be asking a new mobility related question and post the best answers from last month.

This month's question:

"Will the federal government's \$5,000 electric vehicle incentive influence your car purchase?"

Please email your answer to: info@saebritishcolumbia.org or enter your answer while filling out the online registration form for the upcoming event.

Last month's question:

"Would you be willing to give up your car in favor of autonomous car sharing service? Why or why not?"

Selected responses:

- No, I just bought my first car and I'm in love 😍
- That's a tough one. Ask me in 5 years.
- No, and I don't even drive much. But I do need my car to go camping and a lot of dirt road driving where I wouldn't trust an autonomous car...
- Yes if convenient and affordable
- Yes, I believe that if the world was automated it would be a more efficient and productive. This would allow humans to focus more on ideas that need require critical thinking.
- Not yet - my current travel schedule is too varied need the flexibility of driving myself to various locations.
- No, the constant availability of my vehicle would be gone.

JOIN THE BOARD!

Are you interested in getting involved with SAE BC? Join the board! Benefits include meeting interesting people, networking opportunities, resume content, volunteering experience, and the chance to organize tours that you're interested in! Contact us for more information.



2018-19 SEASON'S TENTATIVE SCHEDULE

Below is a list of the upcoming events for this season. ***Please mark your calendars!*** Events are held on Mondays unless stated otherwise. Please note that the Board Meetings are open to anyone. Please let one of the board members know if you are interested in attending and/or getting involved!

A reminder to Professional Engineering members that attending SAE events contributes to their Continued Professional Development (CPD) as outlined by Engineers and Geoscientists of BC.

2019 April 29	Board Meeting
2019 May 6	Powertech Tour
2019 May 20	Board Meeting
2019 May 25	Firehall #15 Tour and Social Event

WELCOME NEW MEMBERS

Let's welcome the following new members to the SAE BC Section for 2018:

Kody Taylor
Roei Ornai
Eric Sikes
Jonathan Leskewich
Kris Ramachandra
David Johnson



The BC Section of SAE International is now in its 73rd year, since being officially designated as the SAE British Columbia Group on June 12, 1946. The Section has about 250 regular members with additional student chapter members at UBC, UVic, SFU and BCIT.

The majority of our Members live and work in the Lower Mainland, and represent a wide spectrum of technical interests. We have a regular program of local events, mostly centered in the Vancouver area, although we have had meetings elsewhere in BC on occasion.

KEEP RECEIVING OUR NEWSLETTER

If you are an SAE member, but did not receive this e-mail directly, you may have opted out of SAE e-mails. Please log into SAE.org, and under mySAE, Account Profile, Communication Preferences, please ensure the following item is checked:

I would like to receive:

<input type="radio"/> All SAE Product Announcement Emails *	<input type="radio"/> All SAE Product Announcement Direct Mail Communications
<input type="radio"/> All SAE Telephone Communications	<input type="radio"/> All SAE Mobile Communications
<input type="radio"/> All SAE SMS/Text Communications	<input checked="" type="radio"/> All Third Party Email Communications
<input type="radio"/> All Third Party Direct Mail Communications	

VISION STATEMENT

SAE BC will be the active resource to the professional and student community for advancing the level of mobility engineering in the province of British Columbia.

MISSION STATEMENT

To enrich the professional life of the membership by:

1. Providing recognized leadership for mobility in British Columbia.
2. Creating opportunities for technical meetings, tours, events and continuing professional career development.
3. Supporting young membership through mentorship and funding of student activities.
4. Communicating through the newsletter, website and timely responses to members.
5. Striving for membership satisfaction at every opportunity.