



Section Officers:

Chairperson:

- Colin Keddie

Treasurer:

- David Musil

AWIM Representative:

- Dale Brown

Webmaster:

- Bob Mai

Social Media Coordinator:

- Neil Lui

Membership & Corporate

Liason Recruiter:

Mithun Shetty

Newsletter/Media Editor:

- Casey Keulen

Open Positions:

- Secretary
- Vice Chair

Contact Us:

On the web:

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E-mail us at:

info@saebritishcolumbia.org

Like us on Facebook:

<https://www.facebook.com/SAEBritishColumbia>

Follow us on LinkedIn:

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Follow us on Instagram:

https://www.instagram.com/sae_bc/

UPCOMING EVENT:

‘Paradigm Shifts in Transportation Architecture and the Role of Lightweight Design’

WHEN: November 23, 2020, starting at 6:00 PM

WHERE: Most, if not all of our events will be hosted virtually this year. This event will be hosted through Google Meet. [Please register to obtain the meeting link.](#)

WHAT: SAE BC will be hosting our 1st virtual technical talk. We are excited to hear from Gregory Peterson, CTO of Moon Wind Enterprises on the "Paradigm Shifts in Transportation Architecture and the Role of Lightweight Design".

Mr. Peterson is a lightweight automotive expert with experience from Pontiac, CPC Advanced Vehicle Engineering, Daimler Chrysler SRT, and Lotus Engineering. He holds 14 patents and authored over 50 technical papers which documented a 30 % lighter Lotus vehicle and assisted in defining the US 2025 fuel economy standards. His presentation will discuss major shifts in the automotive industry and review a detailed lightweight design. We look forward to an interactive meeting with questions that will challenge our participants.

RSVP: [RSVP using this link: register.saebritishcolumbia.org](https://register.saebritishcolumbia.org)

And email: info@saebritishcolumbia.org for more information.

COST: *Free for all to attend.*



REVIEW OF LAST EVENT: ‘SAE BC Student Night’

The BC Collegiate Design Series teams treated the attendees with excellent presentations of their projects. It was a wonderful icebreaker to start the new COVID-affected year, and trial the online meeting format. Thank you to all the students who attended and presented.

We also went through the student sponsorship competition guidelines, put on by SAE BC, and wish all the student teams good luck in this sponsorship and their respective competitions. The winners will be announced at the next technical meeting.

Thanks to all those that participated!

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide from UBC with the following content:

Overview
RULES – REGULAR CLASS
Carrying Spherical Pressure Vessels (Soccer Balls) and regular payload in a Bush plane mission

- **Shortened Runway** to only 100 ft. Will decrease the payload capacity relative to previous years
- **Wingspan limit decreased** to 120 inches.

Crucial to accurately predict the payload capacity for accuracy bonus. Challenge to design plane around storage of soccer balls

Limitations

Max takeoff Weight	55lbs	
Wing Span	120"	3.0 m
Max Power	1000 Watts	
FRP?	Not Allowed	
Max Take-Off Distance	100ft	
Max Landing Distance	400ft	

The bottom of the screen shows a grid of video thumbnails for participants: Gabriel Robinson-Leith, Colin Keddie, Coleman Kaps, Graham Rowe, and Aimee Gray. A sidebar on the right lists all 15 participants in the meeting.

QUESTION OF THE MONTH ‘Has COVID affected your use of car share services like Evo, Modo, Uber or Lyft’

You’ll have a chance to respond to this question when you register for the upcoming event.



JOIN THE BOARD: 'Secretary, and Vice Chair'

SAE BC has two open Board positions. Please inquire if you are interested in getting involved. Supporting SAE BC looks good on one's resume as volunteer work for the community.

Position: Secretary

Description: We are looking for someone who can attend each board meeting and using a laptop, record the meeting minutes along with action items as discussed. This is an important position and requires someone who can listen/understand/interpret and type/format documentation all at the same time. The position provides a significant amount of power to the person responsible, as they can influence the action item details and overall direction of the SAE BC Chapter. Supporting SAE BC also looks good on one's resume as volunteer work for the community.

Position: Vice Chair

Description: A Vice chair is needed to help support SAE BC in general by attending local chapter meetings and helping to drive action items. The vice-chair may lead meetings when the chair is unavailable, and support the board as required. New ideas are always welcome. Supporting SAE BC also looks good on one's resume as volunteer work for the community.

2020-21 TENTATIVE SCHEDULE

Most events will be held virtually this year so you can join remotely. Below is a list of the upcoming events for this season. **Please mark your calendars!** Events are typically 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.

November 23, 2020	Speaker: Gregory Peterson	February 22, 2021	Speaker: Adit Joshi
December 14, 2020	Board Meeting		Autonomous Vehicles: Role of
January 11, 2021	Board Meeting		Hardware-in-Loop Simulation
January 25, 2021	Speaker: Herman Tang		In Ford's Platform
	Vehicle Assembly Manufacturing	March 2021	Event
February 8, 2021	Board Meeting	March 15, 2021	Board Meeting
		April 12, 2021	Board Meeting
		April 26, 2021	Student Showcase Event
		May 10, 2021	Board Meeting



The BC Section of SAE International is now in its 74th 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 product announcements and special offers from SAE International via:

Email	<input checked="" type="radio"/> Agree	<input type="radio"/> Disagree
Direct Mail	<input checked="" type="radio"/> Agree	<input type="radio"/> Disagree
Telephone	<input checked="" type="radio"/> Agree	<input type="radio"/> Disagree
Mobile Phone	<input checked="" type="radio"/> Agree	<input type="radio"/> Disagree
Text (SMS/RCS)	<input checked="" type="radio"/> Agree	<input type="radio"/> Disagree

VISION STATEMENT

A society dedicated to supporting mentorship, career growth and networking for our members and the local mobility industries in BC.

MISSION STATEMENT

To be the #1 resource for events, networking, and career support for mobility Engineers and the Industry in BC.