

Section Officers

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- Vice Chair—Colin Keddie
- Treasurer—Stuart Evans
- Secretary—David Musil
- Vice Chair, Student Activities—Manal Faour
- Appointed Officer—Antonio Marchet
- Appointed Officer—Dehong Zhang
- Appointed Officer—Colin Blair
- Appointed Officer—Martin Jackson
- Appointed Officer— Jeff Turner
- Historian—Dave Gourley
- Newsletter Editor — Casey Keulen

Contact Us:

On the Web:

<http://www.britishcolumbia.sae.org>

E-mail us at:

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Like us on Facebook at:

<https://www.facebook.com/SAEBritishColumbia?ref=bookmarks>

Upcoming Event:

SAE BC Annual Networking Social

When: December 8th

Where: Location to be determined

What: Every year SAEBBC hosts a networking social around this time of year. We're still sorting out the location and activities but we're planning the event for the evening of December 8th.

Cost: TBD

Reservations: To reserve your seat place, please contact Elise Woolliams at: elise.woolliams@afcc-auto.com

The sooner we get your RSVP the better we can plan our venue and activities.

The official announcement will be sent out shortly.

Professional Development Seminars

SAE International regularly offers live professional development seminars at various locations. We have the opportunity to host these seminars here in BC if there is enough interest. By hosting the course locally, attendees save on time and travel costs.

The following is a list of potential topics:

- Advanced Product Quality Planning (APQP) Workshop
- Design for Manufacturing & Assembly (DFM/DFA)
- Design Reviews for Effective Product Development
- Finite Element Analysis for Design Engineers - Hands-on FEA Workshop
- Fundamentals of Hybrid Electric Vehicles
- Introduction to Failure Mode and Effects Analysis for Product and Process
- Geometric Dimensioning & Tolerancing (GD&T)
- Fundamentals of Hybrid Electric Vehicles
- Robust Design
- Statistical Tolerance Design
- Tolerance Stack-Up Analysis

We've put together a survey to gauge interest in these seminars and receive feedback on other topics that may not be included. If you're interested, please fill out the [online survey](https://www.surveymonkey.com/s/XX5NSJ2) at: <https://www.surveymonkey.com/s/XX5NSJ2>



UVic FSAE Team



UBC Supermilage Team

SAE Student Night

EVENT SUMMARY:

On October 27, 2014, SAEBC had the honor of hosting the SAE Student Night at the Wayne and William White Engineering Design Center on UBC campus. It was a chance for student teams from all over British Columbia to present their projects and show off their handy work. The event started off with a chance to mix and mingle and enjoy the complementary refreshments before we had the honor of watching presentations from (in order of appearance) Formula UBC, UVic FSAE, UBC Supermilage, SFU Formula SAE, UBC Baja, and BCIT Baja. The event concluded with some encouraging words from SAEBC chairperson Elise Woolliams and an announcement of the winners of the SAE Student Sponsorship awards. The formula teams build and compete race cars in Formula SAE competitions, the supermilage team builds and competes with a car that is designed to obtain the best possible fuel efficiency, and the Baja teams build and compete with off-road 'buggy' type vehicles at SAE Baja competitions.



Elise Woolliams presenting the awards

2014 SAEBC Student Sponsorship Award Winners:

UBC Baja	\$1000
BCIT Baja	\$500
SFU Formula SAE	\$250

OVERVIEW OF PRESENTATIONS:

Formula UBC: Brian Guo presented for the team of ~75. He discussed their plans for data acquisition and processing in order to validate their models. More information is available on their website at: <http://www.formulaubc.com/>

UVic FSAE: Neil and Otto presented for the group. They discussed their ongoing work at the Victoria Motorsports Club facility for driver training and testing. This year they've increased their membership from ~20 to ~70 members. More information is available on their website at: <http://fsae.uvic.ca/>

UBC Supermilage: Katelyn Currie presented a great PowerPoint on their team and two cars. They have ~65 members this year. Unfortunately, they are recovering from a shipping incident on the way back from the competition that totaled their cars from last year. More information is available on their website at: <http://supermileage.ca/>

SF-1 FSAE Formula Team (SFU): The new team leads, Jordy and Perry presented for their team of ~25 members. They were happy to announce their newly acquired workspace and support from SFU administration. They are currently revising their chassis and getting the new team leads up to speed. More information is available on their Facebook page at: <https://www.facebook.com/Sf1Engineering>

UBC Baja: Marshall presented for their relatively new team. Now in their third year, they have 46 members. They were happy to announce their claim to the 'Biggest Air Award' at their last competition. This year's activities focus around improving last year's car, while next year will focus on the design and manufacture of a new one. More information is available on their website at: <http://ubcbaja.com/>

BCIT Baja: Adam was the last presenter of the evening. This is the newest team of those presenting; now entering their second year. With a team of ~30 members, they have plans to compete in 2015. More information is available on their website at: <http://www.bcitmess.ca/sae-baja.html>

2014-2015 Tour and Meeting Planning

We are always on the lookout for interesting places to visit or presentation topics that would be of interest to our membership. Here are a few ideas that your governing board is working on at the moment:

- Sea Star Solutions (formerly Teleflex)
- Toyota Wheel Manufacturing Plant (CAPTIN)
- Port Metro Vancouver
- BCIT Aerospace Campus
- BC Ferries Maintenance Facilities
- City of Vancouver's electric charging station
- TRIUMF at UBC
- Third Annual Seminar on LNG Engines
- Schneider's Electric Test Lab
- eatART

Upcoming ASM Event

For those interested, the local chapter of ASM International (the well known materials society) will be hosting an event in January:

- **Who:** Dr. Federico Rosei (Brian Ives Speaker), Directeur du Centre Nanostructures, semi-conducteurs, nanoélectronique et optoélectronique, Énergie Matériaux Télécommunications Research Centre Varennes, Quebec
 - **What:** He will be speaking about The Nano(meter)-Femto(second) Lab (NFL). The NFL's interests involve the understanding of the fundamental processes that govern nanoscale systems, and in the development and exploitation of the exceptional properties of nanostructured materials for diverse applications.
 - **Where:** The River Club in Richmond
 - **When:** Wednesday January 21, 2015 at 6:00pm
 - **For more info:** Have a look at their website: <http://britishcolumbia.asminternational.org/>
or email: asmbcchapter@gmail.com
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Welcome New Members

Let's welcome the following new members to the SAE BC Section since June:

Erik Cunningham
Linda Mary Wilson
Brice H. Jamieson
Kevin Truong
Corey T. Bergerud
Kevin Matthew Langley
Daniel Khuu
Daniel James Rae
Pasan Weerasinghe
Adam Penner
Edmond Yip
Kevin J. Warman
Jason A. McMurray
Brian Dudra
Jeff Brown
Jerry Clausen

The BC Section of SAE International is now entering its 59th 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.

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.*
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