

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:

ms007@email.sae.org

Upcoming Event: SAE Student Night

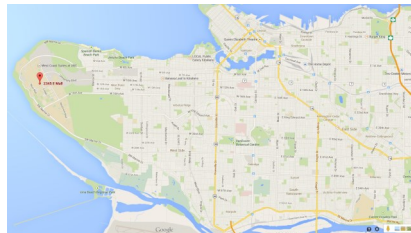
Host —Manal Faour

Host —Kristian Plakaris



When: October 27th, at 6:00 pm

Where: Wayne and William White Engineering Design Center (2345 East Mall, V6T 1Z4) on the University of British Columbia campus



Recommended parking is located at the Health and Sciences Parkade or the uncovered lot at the corner of Agronomy Rd. and Health and Sciences Mall. [Link to map](#)

What:

The SAE Student night! A chance for student teams from all over British Columbia to present their projects and show off their handy work. **Industry members:** this is a great way to catch up on student activities and meet potential recruits (they'll be graduating soon!). **Students:** this is a great chance to support your fellow students and meet people from industry.

We'll start off with a chance to mix and mingle. Yes, refreshments will be provided. After that, each team will give a brief presentation on their projects, competition results, and plans for the future. We will conclude with a word from SAE-BC and announce the winners of the SAE Student Team Sponsorship. Prizes will be handed out to the winners.

Cost: Free to all attendees.

Reservations: *Industry members:* please contact Elise Woolliams:

elise.woolliams@afcc-auto.com

Students: please contact Manal Faour: manalfaour@live.com



BCIT's Energy Oasis and Chevrolet Corvette Vehicle Event



<http://commons.bcit.ca/appliedresearch/2013/08/21/energy-oasis-project-bcit-burnaby-campus-lot-7/>



EVENT SUMMARY:

The last SAE BC event, held on June 23, 2014 was two events in one. It started with a tour of the Energy OASIS at BCIT followed by a viewing of a web broadcast about the new Chevrolet Corvette presented by Chief Engineer, Tadge Juechter and Design Director, Ken Parkinson.

The event started with a group of SAE members and guests meeting at the Energy OASIS site on the BCIT campus in Burnaby. We were privy to a very interesting tour and Q&A session on the OASIS, a solar powered electric vehicle charging station. The host, Kelly Carmichael, a Research Analyst at BCIT explained what the OASIS is and how it works. He was kind enough to bring his personal EV, a 2011 Nissan Leaf for display. His Leaf was the third sold in BC and already has over 70 000 km on the odometer. Rumor has it that Kelly is such an EV enthusiast that access to the OASIS charging station was his motivation for taking his current position at BCIT. Stuart Evans, SAE BC board member was also kind enough to bring his personal EV, a Smart ED Cabriolet. His car has just passed 15 000 km after his family acquired it last November. Stuart also fielded questions and offered up rides in his EV to those interested.

More information on OASIS can be found at the [BCIT Smart Microgrid Program website](http://www.bcit.ca/microgrid/energyoasis/). <http://www.bcit.ca/microgrid/energyoasis/>



After the tour, the group headed over to Mathissi Place for a viewing of the Corvette broadcast. The presentation covered various aspects of the car including how the new generation of Corvette, the C7 got slated for design and production, the focus on comfort and luxury for the interior, and the fuel efficient features of the engine (including an optional four cylinder mode). A comparison across a number of categories was made between the Corvette and other high performance sports cars, which showed the Corvette performing quite well in all categories. This is quite impressive given the price of the Corvette compared to other cars.



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) by November 2, 2014 at: <https://www.surveymonkey.com/s/XX5NSJ2>

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

New Newsletter Editor

I'm proud to be the new editor of the newsletter for the upcoming year(s). Hopefully I can live up to the terrific job Dave has done in the past! Many thanks to Dave Gourley for his invaluable contribution to the SAE BC chapter for his years as editor.

-Casey Keulen

Welcome New Members

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

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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