THE OFFICIAL NEWSPAPER OF THE ENGINEERING STUDENTS’S SOCIETY STREAM “B”

Vol. 28, Issue 1

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WESST EM, AND MORE!

UVic attends competitions and conferences far and wide. Read more on page 5! Below: UVic’s delegates for the 2016 Western Engineering Executives Meeting.

ENGINEERING STUDENT PANICS WHEN THEY THOUGHT THEY MISSED THIS SEMESTER’S EEE

Don’t worry—the EEE hasn’t happened yet. There’s still plenty of time to prepare. Keep the Events Calendar on page 8 so you’ll never miss another event again!

VRROOM VROOM RACECAR! #WINNING

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‘fishwrap’

Send us your pretty face!

Power the Tubes and Wires! Send content to essbcom@uvic.ca

Send us your friend’s ugly face!
ESS Executive Team

The Engineering Students’ Society holds a semesterly general meeting at the start of every term. At this meeting, students are voted into executive positions (among other things) by their peers. Meet this semester’s elected, enthusiastic and exciting ESS executives!
These biographies have been exhaustively researched, and have been verified as true to the best of our abilities.

President

Darren Gervais-Harrison

Is responsible for all of the actions of the Engineering Students’ Society and serves as the elected representative of all engineering students in the current stream.

As a toddler, Darren was beautiful. One day in the early 1970s, Gerber came to his small logging village looking for the next Gerber baby. They took one look at dashing, young Darren and they knew he was the next Gerber baby! The day before Darren’s photoshoot, he grew the most glorious toddler ‘stache of all time. No matter how much he shaved it, it grew back immediately in full force. Gerber didn’t want no ‘stache having baby. He was fired, but out of that, toddler Darren knew he was destined for bigger, greater, more presidential things. He first became president of the Maplewood Preschool for the Gifted. As he went up through the grades, he became president of every school he ever went to. Shortly after high school graduation, he became the President of the Yukon for 30 years but it just wasn’t fulfilling. He needed an upgrade. Darren packed up all his things and moved to Victoria to become the ESS President and here he will reign for the next 2 decades. Bless our new President Darren Gervais-Harrison.

Email: essbprz@uvic.ca

Vice President Academics

Dalton Braun

Acts as a liaison between the faculty members and undergraduate students of UVic Engineering. They attend various faculty meetings and resolve issues between students and faculty.

Dalton likes corn. He has never known why he has such a fascination to the vegetable, but he can’t get enough of it. Born in rural Iowa, his corn eating habit started taking over his life. He attained minor fame several years ago by eating two corns at once. This landed him the prestigious Missouri Corn Scholarship (which does exist.) Once he had such backing, he knew his next goal was to travel internationally to feed his corn munching. He originally intended to travel to Ontario (Canada’s largest corn exporter) however, due to eating 19 in flight corn portions, he was forced to make a pit stop in Victoria. Once there, he decided it was good enough and took up Engineering (and become VP Academic!). However, he has not overcome his addiction. Some nights, the images of those corn rows still haunt his dreams.

Email: essbvpa@uvic.ca
Christina Saimoto, The little bird to the ESS’ Lord Varys. Holding the title of Vice President External in both streams of the ESS is a very big part of Christina’s passion, showing that she can fully live up to the saying about killing two birds while having one stone. Defying all odds, she shows that a bird in the hand of the ESS is better than two in the proverbial bush, or something like that. She truly is a wise old owl, communicating with bird call to other universities, ensuring there is something worth crowing about. Christina brings back knowledge of conferences to share about the other ESS around the country because she knows what’s good for the goose is good for the gander. She doesn’t strut like a rooster, but she watches like a hawk. Our little chickadee.

Vice President External

Communicates regularly with other engineering students’ societies across Canada, manages the logistics of conferences and competitions, and represents UVic ESS on a regional and national level.

Email: essbvpx@uvic.ca

Vice President Finance

VP Finance - Micah Berghuis wants to live in a world with the dankest memes and rarest pepes accessible to all. He will be lending his unique skillset to help the ESS achieve glory and create prosperity around the realm by handling the coinage and reimbursing everyone for all the fun things!!! As a human being with at least 20 years of experience and definitely not a reptile inside an elaborate human costume, he’s been known to enjoy photography and catching bugs with his tongue. When he’s not performing ESS duties or studiously residing in the engineering buildings, he may be found scuttling in UVic’s many green spaces eating ducks and small game whole. After school, Micah wants to write well-styled code and move to the desert to lay on a rock under the sun.

Email: essbvpf@uvic.ca

Vice President Student Life

Acts as a liaison between engineering students and the ESS. They manage all dealings with the engineering clubs, as well as working with the UVSS and other on-campus student groups on various matters.

Email: essbrel@uvic.ca

Cole McGinn

Cole McGinn, a Haiku

Cole likes the outdoors
He wears glasses and drinks beer
Oh, to be like Cole.
Now with more BRAWndo: THE THIRST MUTILATOR (It’s got electrolytes)

Tubes and Wires

**WHAT DOES THE ESS DO FOR YOU?**

The Engineering Students’ Society is a panel of executives elected by engineering students to serve engineering students. As well as organizing and facilitating events, the ESS also gives the engineering student body a voice to liaise with professors, the co-op office, and other student societies on campus. Stop by the office, staple your assignment, grab a coffee and tell someone about that weird dream you had last night; the ESS will listen. We’re here for you! But just in case you forget that, here’s a comprehensive list of all the things we do:

**EVENTS ORGANIZED:**
- The Engineering Evening Excursion (EEE): A popular night of debauchery! Kicked off with an Aluminium Cylinder Event, students then head downtown and crank up the fun. Often, this is held in partnership with a student society from another discipline.
- Disorientation: An opportunity for 3rd year bridge students to meet their new UVic peers.
- Free Food Day: End of the semester and self-explanatory!
- Exam Cram: free snacks in the ESS office during exam period.
- Clubs Day: Meet the engineering clubs of UVic (and get free pancakes!)
- Charity Events: Order of Pi, 24h Gamestream, Buggpush
- Intramural Soccer Team: UVic’s engineering soccer team, the “Rigid Members”.
- Iron Ring: Partnership with Camp 23 to organize the Iron Ring ceremony for graduating students.
- Professor/Student socials
- Industry banquets
- Even more social events: refer to the events calendar on page 8!

**SERVICES PROVIDED:**
- Academic advocacy: Delegates are sent to faculty meetings as student representatives. These delegates talk with faculty members on issues with classwork, professors, and academic integrity.
- Liaising with co-op office
- Support for UVic’s engineering clubs
- Competition/conference facilitation: WEC, Congress, CDE, etc.
- Access to old exams
- Access to engineering textbooks
- Lockers: Students can have the lockers in ELW assigned to them free of charge
- Cinkant Endowment Fund: Money given to this fund is dispensed to students with projects in engineering, among other things.
- Fishwrap/Tubes & Wires newsletters
- Free engendas: Engineering agendas.
- Student yearbooks
- First-year support and free tutorials
  -- Free coffee, tea, and hot chocolate daily, free slushies on Fridays
- Cheap printing and scanning
- ESS Office: A lounge to hang out in and socialize!
- Free stapler!
- Foosball and arcade machines
- Phone charger
- Fridge space

This semester, the ESS holds weekly meetings on Monday nights at 7pm in the ESS office (ELW 206). The meetings are open to anyone, so feel free to drop in and contribute, or just sit back and look attractive.

Disclaimer: The views expressed in this paper are by no means the views of the UVic ESS or any member of the UVic engineering department, and therefore should be taken solely as opinion rather than policy. ERTW!
Now with more BRAWNDO : THE THIRST MUTILATOR (It’s got electrolytes)

Tubes and Wires

UVic Engineering
Conferences and Competitions

By Christina Saimoto

WESST EM 2016

The day was Thursday. The month was April. 6 UVic students (Plus your president Darren GH, WESST’s own VP Finance) embarked on a remarkable and harrowing journey across the Great Water to Vancouver BC, a place for knowledge sharing, paintball, karaoke, and general good times. WESST Executives Meeting was hosted by Simon Fraser University, and engineering students attended from 13 schools from BC to Manitoba, participating in Plenary, sessions and roundtable discussions. UVic students went above and beyond the status quo, running several sessions on topics including finances, excel, effective policy, campus culture and faculty relations, while also laffing harder, enjoying the conference at least 25% more than any other school, and kidnapping a UoFA alumni, taking her back to Victoria. In addition, UVic Students Eric Power and Christina Saimoto put in a successful bid to host WESST Annual General Meeting and Retreat 2017 in Victoria. If you are interested in broadening your horizons, taking swaths of engineering students out into the woods for a few days, or planning events, shoot an email off to essbypx@uvic.ca.

Plenary/WESST Executive Update Highlights:
New executive now in session
Activity Policy updated to be more formal and require more responsibility
Added Policy for dealing with surplus/deficits of activities
Started seed fund for WESST activities

Conferences Awarded:
AGMR 2017: UVic B
EM 2017: UNBC
WEC2018: NOT AWARDED

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Ensures students are aware of upcoming events, coordinating a small team of ESS members. They manage class announcements, newsletter distribution and generally ensure all ESS communication is running smoothly.

Email: essbcom@uvic.ca

Vice President Communications

Tim Erdmer is an ambitious student with past experiences of being President of the ESS, EIT Design Engineer at PBX Engineering, Vice President of External Relations for the ESS. What some people might not know is that Tim plays the bagpipes. This is the story of Tim's first set of bagpipes. Tim grew up on Salt Spring Island and as everyone does on Salt Spring, Tim had a pet goat. Tim loved this goat and the goat joined him on all his travels around town. The goat would wake up everyone in the village up every morning by making a ton of goat noises and just generally never being quiet. But Tim loved the goat all the same. On one gloomy day the goat, sadly, dies of natural causes. Tim was devastated, during his mourning process he decides to turn the goat in the bagpipes. This way he can continue waking everyone up with a god-awful racket at the crack of dawn, in his best friends memory. That is the story of Tim's first set of bagpipes.

Director of Events

Colin Federici

Colin Federici is a Martial Arts Hobo hailed by the Fishwrap as “Ginormous...Perpetual... A Hallucinating Thirty-Two.” Federici is a Bulky Karate Chopper of Boisterous music and has collaborated with the Richmond Orchestra, Black Jacob Ensemble, the Boink Hat Festival, and was the 1942 prizewinner of the Darren’s Beard Competition for Blinking Meese. When Federici is not being a very busy and sought after Sumo Wrastler, Federici can be found Writing, Waiting, or Gently Squatting on Their Plotting Darkness.

Email: essbeve@uvic.ca

Director of Services

Josh Newton

Who is Josh Newton? Well first off he is an electrical engineering student and the new ESS Co-Director of Services. But that is not all, did you know he is also a time traveling “meme” machine? That is right somehow with his Wordsworth like skills he has mastered the power of MOAR memes. Who knows he may even be the long lost son of great poet William Wordsworth himself. Or maybe he is the father of renowned novelist Ernest Hemingway? Who knows, anything is possible with time travel. All I know is he is the type of guy you do not want to face in a game of Countdown. Seriously though, stop by the ESS office and meet Josh, he is MOAR awesome than any dank meme you’ve seen.

Email: essbsrv@uvic.ca
## Director of Corporate Relations

Sally Sun

Contacts companies and industry on behalf of the ESS. They obtain corporate sponsorship and assist in planning events such as industry banquets.

Email: essbcrp@uvic.ca

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Over the course of human history, Sally has been feared and worshipped. Rightfully so, because Sally’s radiating energy provides the vital ingredient for most of the life on Earth. Without her presence, the smallest sprout would not be able to spring. She lets us all know when to rise and when to retreat. Sally is the brightest star in all of our lives. Without her, we would all be lost in the dark. She is a ray of hope—inspiration to the masses on Earth. Sally is wicked fast! She travels at 220 km per second. Unfortunately, she is halfway through her life, but fret not, she will be here for another 5 billion years. One day, Sally’s influence will consume the Earth, but until then, her charm and charisma will help win over executives and open their corporations’ bank accounts to the ESS in her role as Director of Corporate Relations.

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## Director of IT

Cameron McNaught

Manages the ESS website, ESS emails, key card access, and anything else IT-related.

Email: essbtec@uvic.ca

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Eight Fun Facts You Need to Know About Your Director of IT, Cameron McNaught: 1) Has never once told a person to turn it off and on again. 10) Once infiltrated a heist in Northern Edmonton using only his bare hands and a portable mouse dongle. 11) Has had the incredible luck of never actually seeing the word ‘gullible’ on a page or screen in his life. (Don’t ruin his streak by showing him this write-up!) 100) A dog-sized giraffe. (If you’ve ever met Cameron, you’ll know what I mean.) 101) That Viktor Viking drawing in invisible ink on the ceiling of the ELW lobby? All Cam. 110) He really, really likes pears. If you ever visit his place, and he’s in a good mood, he might show you his fabled Pear Pantry. Stocked to the nines with the most luxurious pears a person can purchase. 111) ([This is a test to see if you’ve been paying attention. Write down ‘McNaughty’ in your answer booklet for 20 bonus points.] 1000) He intimately knows the interaction between toast landing butter-side up, and cats landing feet down. He spent half a decade researching the phenomenon at MIT.

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## Director of Sport

Sarah Douglas

Runs the engineering soccer team and plans sporting events, such as curling or dodgeball.

Email: essbspt@uvic.ca

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Once upon a time there was a little seed planted in the soils of this world, around the pacific northwest. It grew and grew and grew until it became a mighty coniferous fir tree, a Douglas Fir, named after none other than our age old director of sport. Much like Sarah Douglas, the fir tree is about 500 to 1000 years old and thrives in elevations of about 1830 metres (6000 feet). These trees have flat pointed needles that are quite fragrant when crushed, very similar to the smell of Sarah’s pugs. Much like a Douglas Fir has a thick bark, over the years Sarah has developed a thick skin, able to survive the most extreme attacks from the whether. This is what makes Sarah such a strong individual able to play soccer in any whether and resist the extreme shocks that come with electrical engineering. Bad puns intended.
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Now with more BRAWNOO : THE THIRST MUTILATOR (It’s got electrolytes)

Tubes and Wires

CLUBS THAT RACE

We make the things and race the things!

FORMULA HYBRID TAKES THE WIN!

By Whoever Wrote This

The University of Victoria’s Formula Hybrid Team is a student-run and funded team of engineering students from mechanical, electrical, software, and computer science disciplines whose common goal is to work together to build a Formula Hybrid vehicle. Not only is the focus on building a competition-ready hybrid racecar, but is also on challenging the boundaries of technological innovation and coming up with a unique project. The end goal is to take the vehicle to the prestigious Formula Hybrid competition in New Hampshire at the beginning of May, which is exactly what the team did this year.

The team had many challenges from the get go. They needed to design a hull and concrete mix, build the canoe, and find a way to ship it across the country. This started by having no previously set up framework, no space to build it in, and no budget to begin with. These students succeeded in making a canoe and getting it to competition in one piece! The team participated in the oral presentation, display day, and race day without missing a beat. The team performed outstanding for their first year, placing in the middle of the pack for the report, presentation, and final product! When it came to race day the team paddled their butts off to complete every single race in their 437lb canoe, the heaviest in the competition this year. With some great standings in all of their races, the team ended up with a ranking of 12 out of the 14 teams participating. This was a major excitement for the team who learned on the fly what the competition was truly about. The team expects to compete again next year with a more refined and competitively designed canoe.

CONCRETE CANOE TAKES ITS MAIDEN VOYAGE!

By Jacob Pez

CONCRETE CANOE? Blasphemy! You cannot get concrete to float! This is exactly what UVic’s inaugural Civil and Environmental Engineering (CIVE) class thought when they first heard about the Canadian hosted competition.

The competition is one that have been going on for over 20 years! Universities design a canoe made to not only float in water by reducing the density and applying buoyancy equations; it must also have enough compressive and flexural strength to hold up to four (4) individuals. This year the competition was hosted by McGill University in Montreal and UVic sent seven (7) members to compete for the first time!

Before the competition this year, the UVic Hybrid Team was anxiously optimistic. The team had made some daring design choices, including using an energy storage system that is different than last season’s lithium ion battery, called an ultracapacitor, which exchanges energy rapidly without diminishing its usable lifespan and weighs about half of what the battery system weighed last year. The team arrived ready to face the many inspections and challenges in the upcoming days. They immediately excelled and passed all inspections faster than any other hybrid team. They were also the most successful hybrid car at the gruelling endurance race, a race that challenges the vehicle to drive 44 one-kilometer laps around a track. On top of that, they also received a perfect score from the demanding design review event. By the end of competition, our hard work paid off: the UVic Hybrid Team not only won the hybrid class of the Formula Hybrid competition, but also won the Doug Gore Memorial Chassis Design Award, the General Motors Best Engineered Propulsion System Award, and the Fiat Chrysler Automobiles Industrial Design Award.

To learn more about the University of Victoria’s Formula Hybrid Team, please follow us on our social media channels, and visit our website at hybrid.uvic.ca.

To learn more about the Concrete Canoe Team and their endeavours, contact them by email at concretcanoetTEAM@gmail.com or check out their facebook page www.facebook.com/UVicCanoe
Tubes and Wires

ON THE WEB:
Documenting Endeavours with YouTube

A hobby 1 in 7 people around the world enjoy

By Gavin Angman

YouTube was officially founded on February 14th, 2005 by Chad Hurley, Steve Chen, and Jawed Karim, three PayPal employees. They came up with the idea when they were experiencing difficulty sharing videos that had been shot at a dinner party at Chen’s apartment in San Francisco, claiming a collaborative, inclusive and international website such as this would “probably strengthen” the ability to tell stories and document people’s endeavors. This has been a major hobby of mine for over 5 years now as well, along with an estimated 1.5 billion other people who enjoy making videos at a place where the rest of the world can view and appreciate what they have to share.

My YouTube channel, officially named “Rockets, RC Planes, More | HD” (channel ID: Blueberry954) was founded on April 30th, 2011, and has around 170 videos published to that webpage to date. Most of the videos found here are entertainment and science related videos regarding radio control airplane compilations and endeavors, model rocket shot compilations, river trip edits and compilations, some calculus, physics and academic tutorials, a few football and rugby season highlight reels, and most importantly, clips of radio control model jets!

This channel is most well known for its edits of model jets. The first video on this channel, shot way back on July 26th, 2010, depicts a radio control model jet flying at a North American wide RC jet rally in Cayley, Alberta (southern Alberta). The video was published on May 3rd 2011. The most popular video on this channel to date depicts a Sebart Avanti S jet flying at a jet rally up in Edmonton in 2014. Undisputedly, the most controversial of the videos is a video of a supersonic model rocket shot, built back in August 2010, and launched May 26th 2012. Claiming it had surpassed Mach 1, many heated debates arose with people claiming breaking the sound barrier wasn’t possible. But, based on the impulse and mass of the rocket, it likely hit a maximum speed of ~Mach 1.24.

The future of this channel will likely see more RC airplane compilations, along with several tutorial videos relating to programming and electrical engineering, my specialization, since you remember 10% of what you read, and up to 90% of what you teach to others.

From left to right, the Avanti S, the Blue Flame supersonic model rocket (a little smaller than a meter stick and as thick as a paper towel tube), the Blue Thunder model rocket (the logo of the channel), and my buddy Phil’s 120cc 1/3 scale Edge 540 RC plane.

To view Gavin’s videos visit his YouTube channel at www.youtube.com/user/Blueberry954

Disclaimer: The views expressed in this paper are by no means the views of the UVic ESS or any member of the UVic engineering department, and therefore should be taken solely as opinion rather than policy.
Gavin Gustov, a man of honor and dignity with a fine taste in cheese. Gavin gives his time to the ESS to ensure students read nothing but the finest in the Tubes and Wires. In late August nights, during a campfire, you may hear of the stories of Gavin and how he was stranded on a remote island, with nothing but his hands and writing utensils. Using these utensils, he took on beasts that threatened his return to the ESS and built a raft out of Kumboota trees. Kumboota trees are extremely dangerous and toxic; however, they were no match to Gavin. Gavin does not wear socks. You may ask why, and the answer is simple. He does not get cold, is immune to foot odor and blisters. In a cold winter night, around the fireplace, you may hear the story of Gavin in the arctic. When he was a mere 2 years old, Gavin rescued a drowning panda in the arctic. Pandas do not live in the arctic, they do not know how to live in the arctic. Gavin knew he couldn’t leave the panda alone, so for five years he endured the arctic life. On the first night, Gavin fought against a walrus, who ate his shoes. Thankfully Gavin was prepared. He had toxins built into the shoes in case this ever happened. That night, Gavin and panda ate like kings.

Co Newsletter Editor

“Remember us.” As simple an order as a man like Jacob Pez can give. “Remember why we ran.” For he did not wish tribute, nor song, nor monuments nor poems of war and valor. His wish was simple. “Remember us,” he said to me. That was his hope, should any free soul come across that place, in all the countless centuries yet to be. May all our voices whisper to you from the ageless stones, “Go tell the ESS, passerby, that here by ESS law, we lay for eternity”. Some people wear superhero pajamas, Jacob wears Pez warrior pants. He once fought off a mass of two million hornets with a single spoon. This same spoon he used to dig a hole, also known as the grand canyons. Jacob, now resting for the next battle, lends his hands and brain to the ESS as an editor. His words will grace your eyes and strike your heart like a unicorn. If you ever have the honor to meet Jacob, I would encourage you to ask about his unicorn farm and his birth place, the Mayan Temple. One may add that walking on water is a skill of Jacob's. But one would be wrong. Jacob does not walk on water, he swims through land.

Secretary

Michael had a very normal upbringing in the rural farmland of BC, quite average really, the most average! Michael was the most average person to walk this earth, scoring at the top of the bell curve on every single scale known. He liked it atop the mountain of average while being young, but as he grew older, he decided to achieve something more. He knew he loved being at the top, but what he really wanted was to work his way up that so called average mountain. Michael moved from his farming background to a long career as a climber. Whenever he saw something that he could ascend, he used his arms and legs to climb out of the world of averages and into greatness. With all of this climbing, his body was exhausted and depleted. He needed electrolytes. From his experience as a farmer he remembered that Brawndo has electrolytes, “it’s got what plants crave.” To this day, Brawndo powers Michael as a climber and in his position as Secretary of Interior, which has a sole purpose of keeping plants alive in extreme conditions.
ESS Coordinators

Erika Burdon
Graphics Coordinator

Poorna Kalidas
Charity Coordinator

This could be you!

This could be you!

Social Media Coordinator

Competitions Coordinator

Tubes Quotes ‘n’ Stuff

“I am highly down”
- UVic

“Fel’s?”
- Steve

“Cats don’t usually go to Fel’s”
- Steve

“Fel’s?”
- Christina

“No there an opposite of stress? Oh, I guess it’s ‘not stress’.“
- Martin

“I just need to use the stapler”
- Engineering students handing in an assignment

“Fel’s?”
- Most engineering students all the time

Dalton lives on the streets
and pumps out fresh beats

he is fly like a bird
but dirty life a turd

he loves to play
league of legends all day

VP Academic life is calling his name
who else can handle such game
no need to blame
this bird is insane

word.. *drops mic*

-Michael Campbell
HAM RADIO DJ
VA7-DTF
Tubes and Wires

FSAE, ANOTHER RACECAR!

Neat Fact: FSAE has been around longer than Formula Hybrid and Concrete Canoe combined!

The University of Victoria Formula Motorsport team recently got back from the international Formula SAE East competition, held annually in Brooklyn, Michigan. They were there competing from May 11th to 14th, and achieved great results from this year’s hard work. The competition started by arriving and attending the pre-technical inspection, making sure the driver gear was fit for competition, ensuring wet tires were up to specifications, and the fire extinguishing equipment was serviced. After the safety inspection, the team went to the scale and our race car weighed in at 230kg (507 lbs), a very respectable weight for a steel frame, four cylinder vehicle with an aerodynamics package.

Day 3 resulted in passing a sound test, brake test, after which the team proceeded directly to acceleration and skid pad events. After that was the autocross event. The team managed 2 runs, before the technical inspection sticker was pulled due to a minor oil leakage at 4PM. A team undergoing technical difficulty has until 5 PM to resolve their problems. We were able to get the issue fixed shortly after 5 PM and then had a team dinner to de-stress. After the dinner, the team reviewed their data acquisition (DAQ).

Next was the design event, where the powertrain team placed first in its queue. After that, was business. The business and project management leads presented the manufacturing, financial forecast, and investor pitch, one part of the event which improved significantly for us from last year. Next was the tilt test. Fuel was loaded into the race car and tilted to 60° to imitate 1.5g acceleration to make sure the vehicle won’t leak or flip. UVic passed right away.

The last day consisted of the most difficult, heavily weighted portion of the competition: the endurance event. After clearing up from a heavy rain in the morning, UVic was able to finish all 22 kilometers without issues! In the end, UVic managed to place 27th out of 120 registered teams from across North America at the competition and are now ranked best in Western Canada, second out of 24 teams in Canada, and 56 out of 530 teams internationally.

Disclaimer: The views expressed in this paper are by no means the views of the UVic ESS or any member of the UVic engineering department, and therefore should be taken solely as opinion rather than policy.
Now with more BRAWndo: THE THIRST MUTILATOR (It’s got electrolytes)

## Tubes and Wires

Are your eyelids feeling heavy in class? Are the prof’s instructions going in one ear and out the other? Turn it up to 11 with a high-octane game of engineering bingo! There should be nothing more important to you than beating your friends at filling this bingo card. Only a true UVic engineer will be able to get this card completely blacked out—an achievement that comes with unimaginable prestige and limitless bragging rights.

### Engineering Bingo

<p>| | | | | |</p>
<table>
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<tbody>
<tr>
<td><strong>B</strong></td>
<td><strong>I</strong></td>
<td><strong>N</strong></td>
<td><strong>G</strong></td>
<td><strong>O</strong></td>
</tr>
<tr>
<td>Receive an A on an assignment despite a single 100% correct answer</td>
<td>Someone takes a picture of the projector screen with a tablet</td>
<td>Complete an assignment for one course in the lecture of another</td>
<td>Follow @UVicESS on Twitter</td>
<td>9pm rolls around and you’re still studying at school</td>
</tr>
<tr>
<td>You have at least 5 things due this week</td>
<td>Send a snap to ‘fishwrap’</td>
<td>You are thanked for attending class</td>
<td>Something important is illegible on the projector screen</td>
<td>Fairly straightforward math is explained into the ground</td>
</tr>
<tr>
<td>Answer 3 questions in class</td>
<td>Someone in your class is asleep</td>
<td>FREE SQUARE You consider yourself to be riding the struggle bus</td>
<td>You have at least 1 midterm this week</td>
<td>Submit a quote overheard in engineering to <a href="mailto:essanews@uvic.ca">essanews@uvic.ca</a></td>
</tr>
<tr>
<td>Attend all your tutorials in a week</td>
<td>Make eye contact with your prof during lecture</td>
<td>Apply to 2 co-op jobs</td>
<td>Tell an ESS exec they ‘look beautiful today’</td>
<td>Prof posea trick question to see if the class is paying attention</td>
</tr>
<tr>
<td>Professor has IT difficulties during lecture</td>
<td>Submit an assignment/lab at least 24h early</td>
<td>Engineering problem is in Imperial units</td>
<td>Grab a free coffee /slushie from the ESS office</td>
<td>Lab procedure is completed in under 30 minutes</td>
</tr>
</tbody>
</table>

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Now with more BRAWNDOR: THE THIRST MUTILATOR (It’s got electrolytes)

Tubes and Wires

The Funnies

ESS PRESENTS: SUMMER 2016 EEE POWER ENGRS (19+)

WHO:
ESS and CSCU

WHAT:
Engineering Evening Excursion! Where we take the night out as a group of engineering students, and this time graced by the computer science students as well.

WHERE:
TBA by email on the day of the event

WHEN:
Friday, June 10, 2016 from 5:30pm — Whenever you leave

WHY:
Because “Mighty Morphing Power Engrs!”

Tickets for sale in the ESS office (ELW 206) for $20 each!
Additional information can be acquired in the office as well!

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