Tentative Events List

Josh Ewart
Vice-President Student Life
UVEC
October 24th
University of Victoria Engineering Competition is the school wide competition that is used as a qualifier for the Western Engineering Competition which is a regional qualifier for the Canadian Engineering Competition. In addition to giving you a chance to compete with other engineers in a variety of challenges, WEC is a fantastic opportunity you should not miss out on. Talk to anyone who has been to WEC and they will be sure to tell you how much fun it is. Stay tuned for more details.

Rock Climbing
November 18th
Based on the success of last semester’s climbing day we have decided to renew this event for this semester. Come out and spend the day rock climbing and bouldering. Location and details to be announced. No experience necessary!

Formal Night
November 20th
Do you look great in a suit or dress and just showing it off at interviews isn't enough? Come out to our formal night to get dressed up and have a night on the town. Location and activity to be announced.

Prof Student Social
November 25th
Are you curious about the research your professors are doing? Are you wanting to meet your professors in a more casual setting? Come out and mingle with professors from a variety of engineering disciplines for a night. Details to be announced. More events are currently in the works so pay attention to the ESS FB group to keep up to date with all the things happening around Engineering!

Join the ESS Soccer Team!

Chris Life
Co-Director of Sport
As engineers we need to keep our minds sharp, that’s why we have soooo many classes. We also need to keep our bodies sharp though, and that’s why we have the Rigid Members, our perennial Engineering soccer team. Whether you could have been the next Ferenc Puskas and gave up your career to study Engineering with the goal of becoming the next Wright Brothers, or you, like myself, the soccer skills of office furniture, this is the team for you. Games are once a week, and part of the Intramural-Coed-Rec-League, so all skill levels are welcome, and there’s plenty of fun to go around. Games are Tuesday nights, so come out and lets get some touchdowns together.

Jackets and other schwag for sale

Feeling the chill of the freezing Victoria fall? Want to show off what engineering school you're going to? Got an extra $65 kicking around? We've got you covered! We are now taking jacket orders. If you would like to order one of these awesome jackets, stop by the office to find your size and order one through the QR code below.

If you want sunglasses, mugs, stickers, pins, etc. we have those as well! You can see what we have to offer in our showcase by the office. Once you make your selection, one of our friendly executives will assist you in making a purchase.

If you have any questions, email essbsrv@uvic.ca.
Haunting the halls of the ELW and ECS

**TUBES AND WIRES**

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**AUVic**

A team that designs and builds autonomous submersible robots.

**Meetings:** Tuesdays, 7:00 pm

**Location:** ELW B250

**Contact:** auvic@engr.uvic.ca

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**Formula SAE**

This team designs, builds, and races formula style cars for the Formula SAE competition which is the world’s largest engineering competition.

**Meetings:** Tuesdays, 8:00 pm

**Location:** ECS 116

**Contact:** fsaeadmin@uvic.ca

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**Leadership Through Diversity**

Leadership Through Diversity (LTD) is a group providing leadership opportunities, and inclusive events for engineering students to network, meet other students, and get involved with their faculty.

**Meetings:** Thursdays, 6 pm

**Location:** ECS 108

**Contact:** ltd@uvic.ca

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**UVic Hybrid**

They design and build hybrid vehicles for competition.

**Meetings:** Mondays, 5:00 pm

**Location:** ELW B150

**Contact:** uvichybridteam@gmail.com

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**UVic Rocketry**

The UVic Rocketry (UVR) Team is a group of driven students who wish to develop their skills and knowledge in the area of rocketry.

**Meetings:** Mondays, 6:30 pm

**Location:** ECS 116

**Contact:** rocketry@uvic.ca

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**UVic Biodev**

They design and prototype commercially applicable medical grade devices.

**Meetings:** TBD

**Location:** ECS 108

**Contact:** uvicbiodev@gmail.com

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**MPG**

A microprocessor club that offers hands-on embedded systems training from an industry perspective.

**Meetings:** Wednesdays, 5:30 pm

**Location:** ECS 116

**Contact:** martin.j.kellinghusen@ieee.org

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**ECOSat**

ECOSat builds a nano-satellite for a nationwide competition.

**Meetings:** TBD

**Location:** EOW 148

**Contact:** ecosat@uvic.ca

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TUBES AND WIRES

CFES President’s Meeting was a success!

Christina Saimoto
VP External (Stream A)
After driving the strugglebus for hours through downtown Vancouver, complete with numerous detours and illegal turns mandated by Google, I managed to arrive in Deep Cove with Eric, Sarah, and everything we might need for a weekend filled with bonding, learning, and plenty of fresh pots. We boarded a boat along with Tim, and delegates from Canadian engineering schools who had traveled from near and far.

PM is held once a year by the Canadian Federation of Engineering Students to facilitate discussion, make decisions that affect Canadian engineering students nationwide, and to share our experiences being involved in our own students' societies (or "Eng. Soc.s"). Friday evening was filled with socialization, and everywhere you turned students were discussing issues that we all face. Things like Frosh weeks being cancelled, or being run amazingly with incredible support from faculties, to accreditation concerns, to budgeting and student fees. It is so valuable to not be facing these issues alone, and there is so much to learn from our fellow Canadians.

Saturday was sessions and presentations all day long. Budgets were presented, mandates were fulfilled, and presentations were given on CFES's progress in the months that have passed since congress. As engineering students, and members of CFES, we all pay membership fees, and events like PM give VPXs like myself the first hand opportunity to see what CFES is doing so that we can relay that to all of the students we represent.

Sunday was plenary, which is an assembly of voting members where motions are discussed and voted on in order to give CFES direction.

Overall, the connections made and the ideas that were shared made this an unforgettable weekend, and has left both me and my fellow delegates motivated to keep working towards making a difference in student representation.

We WON!!!1!1!

The UVic ESS emerged victorious in a hotly contested social media battle that involved universities and colleges across Canada. Thanks to the efforts of Graphics Guru Ben Hawker and Social Media Mastermind Sarah Shepherd, the UVic engineering community rallied behind this awesome engenda cover and beat contender Fanshawe College with an insanely close score of 719-705.

The ESS received a princely sum of $500 for our victory. This couldn’t have been accomplished without you, the engineering student body, so we would like to blow it all on you awesome people.

The brilliant idea of spending the money on 40,000 packs of ramen to break the world record of the world’s largest bowl of cooked ramen was quickly shot down so we’re looking for other ideas.

If you have any ideas on how to spend the spoils of social media war, stop by the office and let us know. We’re open to (almost) anything.
Haunting the halls of the ELW and ECS

TUBES AND WIRES

WESST was a success!

Eric Power
Vice President External

Early in the morning of Thursday, October 1st, six UVic engineering students made their way out to the airport. Their destination? The Western Engineering Student Societies Team (WESST)’s AGM Retreat in the Qu’Appelle valley. Camp Lutherland was taken over for a weekend by roughly 80 engineering students from across western Canada. The retreat is held over four days, with the first and last day travel days.

The first full day at the AGM is the business day. Sessions were held on various topics from burnout to hosting conferences, and our very own Darren Gervais-Harrison, who’s been VP Finance of WESST for the last four months, ran “Finance for Dummies”, which was super helpful for those who attended. The biggest thing that happened at the AGM was elections for next year’s WESST executive and voting on changes to the constitution and the policy manual. This year, Darren Gervais-Harrison was chosen to stay on as VPF, and Alex Jokuty, from UBC-Okanagan, was selected to stay on as President. Dave Antoniak, from the University of Calgary, was elected as VP Communications. I have faith in them to continue the tradition of WESST being an awesome organization!

The motions that were passed at the AGM were reasonably small and mostly had to do with aligning WESST’s constitution with that of the Canadian Federation of Engineering Students, the national version of WESST. The only motion that caused debate was one that would have set a schedule for hosting retreats. This would have made it so that each year, if no one bid on hosting retreat, then a certain school would have been responsible for hosting it. There were strong feelings that this wasn’t fair for certain schools who don’t have enough people to host a conference, or for a school that might be hosting a different conference that same year. The motion was tabled until the next WESST meeting, and we will be looking at alternatives to that.

The second full day was the WESST Olympics, and UVic performed wonderfully! Each school was responsible to bring a game, and UVic brought Greased Pumpkin Rugby. Basically it’s a pumpkin covered in Vaseline, and the team with the most pumpkin at the end of five minutes won. We ended up coming in second place for the day to the University of Manitoba, who had roughly twice as many delegates as us, but only got one more point.

Next year, AGM Retreat will be held in Manitoba. If you’re interested in going to a conference, check out the UVic ESS Facebook group and we’ll post applications as early as we can for each conference. The next one to apply for is the CFES Congress, which is the AGM of CFES. Applications for CFES Congress will be released in the coming week.

If anyone has questions, or wants to know more about WESST, the AGM Retreat, the motions that were passed, or anything else, please contact me at essvpx@uvic.ca!

Martin Kellinghusen
Vice President Academic

Students should be aware that due to recent policy changes, ScheduleCourses is currently unavailable. Please be aware of this when registering for courses as the information may be misleading. We are doing our best to resolve this issue with the university and will keep you posted if anything changes.

Changes to ScheduleCourses
Obtaining diversity in engineering appears to be challenging. As reported by the Scientific American in 2014 (http://tinyurl.com/na78vnk) the engineering population in the US is composed of 51% white males and only 28% female of any race. Compared to the general population, there are large groups of people being underrepresented in engineering. Such statistics could not be found for UVic engineering, but there is a general sense that diversity is still an issue in the department.

Leadership Through Diversity (LTD), a student run engineering club, has the mandate of “providing leadership opportunities and inclusive events for engineering students to network, meet other students, and get involved with their faculty.” When asked about diversity in engineering at one of their meetings, they had a lot to say.

When asked about why diversity in engineering is important, one club member said that engineering problems are diverse and complex and that having a diverse and complex group of engineers would result in better solutions to such problems. Without diversity, the same things will always be done and the workplace will miss out on having a big pool of talents. Everyone likes diversity and so it also results in better workplace satisfaction and better economic growth.

The group offered some ideas on what the engineering department can do better to promote diversity. They would like to see more support from the faculty. The dean’s office has been very supportive to promote diversity but they have very little support from the professors - one student described her department as an ‘old boys club’ with only old white men. Another student described a situation where the professor in a lab talked only to her male lab partner. The professors should set an example for a diverse engineering department.

They would also like to see better support from students. One woman said that when she tells someone that she’s in engineering, she gets surprise in response. There are engineering stereotypes in general and students should work towards removing gender and race from the idea of what an engineer should be.

International students play a large role in contributing to a diverse environment. What could we do to make them feel included in our engineering community?

Lucy Hagos, the UVSS International Student Representative, had a few things to say about this issue.
Ms. Hagos noted that international students can have a large adjustment to starting post-secondary education in Canada. To make their transition into UVic easier and more welcoming, professors in first year classes should not assume that everyone in their class came from the same education system. Explaining in detail how the class is structured and what professor’s expectations are could make their transition into UVic go smoothly.

Student welcoming fees can also create an unwelcoming environment for international students. Ms. Hagos said that international students pay 3x the cost of tuition and that this financial burden prevents students from getting more involved. She also mentioned that many events are based around Canadian culture or domestic issues and that it can be tough to cross that barrier.

One solution to make students feel more welcome is to have a space dedicated to international students. Ms. Hagos mentioned that there is a space for international students in the library and that it is successful as it is constantly being used.

Finally, she said that people are more likely to get involved in a community if there is support and comfort to do so. LTD’s mission is to make that happen in engineering so if you would like to get involved, feel free to stop by one of their meetings.

Letter to the Editor

Sarah Beth
Contributor

Diversity in Engineering is when all cultures are included, and this applies to the culture of women in engineering. But it doesn’t stop there, ideas (both technological and personal) should be included, especially from the minorities present in the engineering fields, as those are the individuals (that if they are lucky enough) have won a double fight to get into Engineering and stay there. Think of the young man from Somalia, or the girl from a tough part of town, how much more valuable are their ideas that came from struggle and victory than the idea that was not forged in fire. In fact, if you want Engineering to remain a rich, white boys club, then don’t support diversity. I mean who doesn’t like 1 dimensional, static solutions - Engineers sure do because the math is easier. Let me tell you a few ways to make diversity a non-issue in Engineering, make it so common that it doesn’t need to be talked about and it us just there nurturing an eco system of diverse ideas and solutions - because God knows our World has it’s fair share of problems that I’m sure Engineers could solve if they just expanded their circle of perception away from white people problems. As the problems that are facing our generation are not just white person, black person, or sexism problems they are going to affect humans as a whole. Think highest migration in history, highest summer temperatures ever on record. Ever. So these ideas are for the Engineering field to get out of their comfort zone, be uncomfortable. Hire the unlikely candidate as a professor, give a project or class a chance to be taught even if it was never done before, stop fueling the decision making bodies with the exact same type of person.

Haunting the halls of the ELW and ECS

TUBES AND WIRES

Upcoming LTD Events

Chris Life
LTD President

Leadership Through Diversity Women In Engineering Mixer
Date: Friday 23 October, Time: 5pm, Location: ECS130

Every semester Leadership Through Diversity hosts a mixer event for women in Engineering. These events are open to all women in the faculty of Engineering and are planned as a low-key get-together where women can meet each other and relax.

This semester the Women in Engineering Mixer will take the form of a book exchange with board games and food. Everyone who attends is asked to bring a book of their choosing, wrapped in paper, with three words to describe the book written on the wrapping. For example, if I were to bring my MATH100 textbook, I would wrap it and then write maybe ‘Confusing’, ‘Dry’, and ‘Numbers’ on the wrapping. Extra books will also be provided in case people want one but aren’t able to bring their own. In addition to the mystery book exchange, a selection of board games will be provided, as well as sushi from Fujiya.

Leadership Through Diversity Pumpkin Carving
Date: Thursday 29 October, Time: 4pm, Location: Sub Upper Lounge (across from the Pujol Room)

Every Halloween, Leadership Through Diversity tries to help you celebrate the holiday by giving you an opportunity to do two of the most important Halloween activities: eat candy and carve pumpkins. For $5 you will be provided a pumpkin to carve and the tools needed to do it, as well as much Halloween candy as you can stomach. Come down, carve a spooky (or not so spooky) pumpkin, try not to get too sick eating candy, and meet some new friends.

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Letter to the Editor

The author of this letter wished to be anonymous

Jared Mauldin, a senior engineering student at Eastern Washington University, recently wrote an editorial letter to his student paper highlighting the difficulties and challenges female students face over male students when entering STEM or engineering fields. The short editorial summarizes that his female peers have already accomplished much more than he had by persevering in a field of study that so easily excludes them.

The inciting piece was, of course, met with all kinds of dissent. In these situations, I am always fascinated by how far the opposed will go to do anything but address the point.

I have seen people try to disarm the argument claiming piece just isn’t resolved enough, calling the author an attention-seeker, and even claiming that women and men aren’t groups of people, so this couldn’t possibly really be a women’s issue. However, all that I see are elaborate attempts to cover up the real issue and keep those who want to address this problem quiet.

In this dispute over issues which are already well-acknowledged social constructs, I can’t help but be mad about our response to the huge elephant in the room, the issue that our faculty has been pushing aside for years. I can’t help but laugh. And I am mad and I will stay mad and that doesn’t change any of the well known facts.

I have a right to be mad that only about 20% of science and engineering is being done by women, who make up more than half the population. [1] I can be mad that the women who do will be paid less for it, recognized less for it, and are 45% more likely than men to leave their jobs due to being uncomfortable in the workplace. [2] Those of us who make it are more heavily criticized, less likely to get sponsored, and less likely to be taken seriously.

It’s not only the number of girls who are not in STEM fields, but a plethora of social issues which prevent girls from challenging themselves to learn and set us up for failure. The gender gap is accentuated by a “confidence gap” in women who are socially trained to believe their work is inferior to men’s work, regardless of credential, and regardless of young girls’ STEM programs. [3] (Everyone should read this article.) It is an issue that causes men to overestimate the quality of their work while women undervalue theirs, even when overqualified, leading women to shy away from taking on greater positions or responsibilities, giving critics even more reason to blame the lack of success on women themselves. There are so many factors going against us in every single way that is seemingly impossible to face and many people just shrug it off as it only being an issue because “women don’t want to” or “women don’t try hard enough”. It is easy to pass off this large complex social issue as weakness on our part, as people have been doing for years.

Every girl in engineering goes knowing that, at some point, she will be passed over and excluded, that she may be the only girl in her group, or her class, that the opportunities given to male peers without thinking about it, she will have to fight for, and above all, she knows that no one will want to listen to this. If she talks about a problem, she will be told to be factual, to think of others, or that she is not allowed to be mad, although no amount of succinct writing could make this reality any less infuriating. Every women here does what we do knowing that the majority of our peers still tell rape jokes, make fun of women in the media, objectify women, and largely do not side with us or sympathize with us. We are not allowed to feel isolated or alone, because if we truly are all “equal” we would have nothing to complain about. Of course these issues are all far more prevalent for women of color, transwomen, and other minority groups, or pretty much anyone except your stereotypically macho, beer-drinking engineer.

The fact is, that there are entire bodies of evidence showing how women in STEM fields are disadvantaged, and it is time that we start answering this epidemic, without exception, without complaint, and without disregarding the truth. Coming to this conversation with passion doesn’t take away from any of the multitude of points that have been made, nearly so much as it exposes those who are unwilling to listen. I have been told that this response does not become an engineer, however I think it makes a bad engineer to not look at the problem definition for the report, and an even worse engineer to attempt to solve a problem without understanding and consulting basic science of the material. We here have an issue we have ignored for years, without proper analysis, and without even a basic fail-safe, and it is time it is fixed.


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TUBES AND WIRES

Mark the Calendar for UVEC

On October 24th, the ESS will be having its University of Victoria Engineering Competition (UVEC). The competition has multiple categories and the winners get to compete for UVic at the Western Engineering Competition (WEC) in the spring. Right now, details are being worked out but in the mean time people interested in competing should get their teams together. If you have any questions, email Eric Power at essbvpx@uvic.ca. The categories for the competition are:

Junior Design

Teams of four are given their challenge the morning of the junior design competition. The challenge usually involves designing, building, and testing a simple machine or structure to complete a given task. Teams have to consider limited resources and a scoring matrix to best maximize their score. After only four hours, the teams must present and test their prototype before the judges.

Senior Design

Teams of four are given their challenge the morning of the junior design competition. The challenge usually involves designing, building, and testing a simple machine or structure to complete a given task. Teams have to consider limited resources and a scoring matrix to best maximize their score. After only four hours, the teams must present and test their prototype before the judges.

Communications

This competition challenges competitors in teams of two to describe a complicated technical process or issue in terms that the general public can understand. This is done in the form of a 20-minute, pre-prepared presentation of the topic of the team’s choosing to a panel of technical and non-technical judges, who select winners based on presentation skills, topic analysis, and conveyance of information.

Debate

Teams of two competitors use analytical techniques to present, in parliamentary debate format with minimum preparation, a reasoned point of view of a resolution that has not been disclosed beforehand. The goal is to assess the competitors’ abilities to convey ideas and develop arguments and not to assess competitor knowledge of formal debating rules; therefore the rules normally used in debates are relaxed.

Innovative Design

The most technical competition, innovative design requires teams of one to four students to bring to WEC a solution to a problem of their choosing. The problems are typically applicable in the real world, and their solutions must be practical, useful, and original. Winners are selected based on the overall engineering process: market research, feasibility studies and design prototyping.

Consulting

The Consulting Engineering competition challenges teams of four to design a detailed solution to a large-scale engineering problem. They are presented with a problem that morning, and have up to 8 hours to solve it and submit a report and the presentation they will deliver the next day. The proposal must be made in a way that promotes the solution to potential customers in the form of judges.

Re-Engineering

In this competition you take an existing situation or concept and repurpose it in an innovative way. Past competitions have included designing Mars missions with a set number of parts and finding new uses for an abandoned railroad.

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I never thought that innocent things can go to hell so quickly. It all started when I saw a job posting through the co-op office asking for a third year mechanical engineer for the usual kind of work that small companies hire students for. It looked kind of boring and it didn't compare with the other jobs out there but since the work term was coming up I applied anyway.

A few days after sending the application, I got word that I got an interview for the position. When I walked into the room, I saw a wispy old man dressed in an unironed, outdated business suit. He stood up, gave me a shake with a weak, bony hand and introduced himself as Bartholomew Winchester, owner of Grimoire Enterprises. During the interview he spoke in a monotone gravelly voice and asked the typical interview questions until he held up a shapeless leather bag and asked "Tell me, what is in this?"

I'm not sure how, but I could somehow feel that there was a book in there. It felt like a warm energy emanating from that bag. It's almost as if there was a connection. As I told Winchester this, he gave a grin that wrinkled his face like a prune, opened his bag slightly to show a shadow of a book, and told me that I was exactly what he was looking for. Before I could ask to see the book, he snapped the bag shut and told me that I would be working on a new project for his company and that I would be paid a large sum for the work. He also mentioned that the project involved creating a device to help people with mobility issues. Excited, I accepted the job right away with no questions asked.

A few weeks later, I was on my way to start my first day at Grimoire, only to find it to be an old garage from what must have been the 50s. It was a run down structure with many of its windows boarded up and the front door barely holding onto its hinges. I slowly approached the building and carefully checked the address to make sure that I was at the right place. Opening the front door, I saw a girl sitting at an old Tandy computer silently cursing as she furiously tapped on the keyboard.

She introduced herself as Nancy and she was another co-op student from software engineering. She was apparently hired to do the programming for the new mobility device but Bartholomew had not updated his hardware in years. She said that hiring her for a four month term was basically pointless since she would have to spend most of that time learning a new programming language and how to use such an old PC. She was a bit confused as to why Bartholomew wanted to hire her in the first place. When I mentioned the book test during the interview, she quietly whispered that she didn't get that but Bartholomew asked a few very personal, creepy questions.
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TUBES AND WIRES

Before she could elaborate, Bartholomew entered the room and took me to my new office which was essentially an old broom closet with a very tiny drafting table. He said I was gifted as he slammed a set of drafting tools on my desk. Before I could protest about designing a new mobility system by hand with so little information, he pulled out the book. I could feel the dark, warm energy radiating from it as he set it on the table. As he walked away, Bartholomew hoarsely said that the answers would be in the book.

The book was bound in a very rough black leather with strange stitching which could have been the title on the front cover. It looked ancient. As I cracked the book open, the intensity of the energy increased to the point where my body tingled all over. The letters in the book were all gibberish but as I stared at them for a few moments they became more clear. As the letters became legible, my vision became enveloped in a red fog and my body was numb all over.

I'm not sure what happened but when I awoke I was in my broom closet office in a wreck. Papers were scattered over the floor, etchings of strange symbols were on the walls, and there was a perfectly hand drawn schematic of a device right in front of me. It looked very strange, like it wasn't meant for someone human. It was supposed to be eight feet tall with a large bulbous headpiece and multiple thin things at the bottom for legs. Worst of all, my hands were coated in blood and there were strange symbols on the schematic written with it.

Horrified, I fled the room and ran into Bartholomew at the front door. Bartholomew looked at me and cackled as drew a symbol on the floor in white chalk. I stood there frozen as the black robed old man muttered about gates, virgins, gods, and armor incoherently. From behind, five more people in black robes approached, one of them with my schematics in hand. Another one mumbled that the armor could be made in a couple days, just in time for the full moon.

At that point, I fled not looking back to the horrors behind me. When I got home I found out that I was gone for three weeks and that my friends and family were looking for me. Over the next few days I also saw Nancy's photo on the missing person's list. When I told the police about the last place I saw her, they searched the old garage only to find it abandoned with large sections of its walls torn out. In the words of one officer, it looked like an elephant rampaged through it.

When I go to sleep, I still have nightmares of a red fog enveloping my mind and a strong desire to join those cultists in welcoming a new elder god to our realm. My sleeps are lasting longer and longer every day...

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TUBES AND WIRES

Dear Vancouver Baristas...

I appreciate that you probably don’t have much experience serving OBC Engineers.

The OBC Coffee Slaves are familiar with our ways, but you that I live downtown, I feel the need to give you all a tutorial.

The OBC coffee is prepared locally, lucky if washed within 2 days.

Here are some ways you can recognize us:

- backpack with several kilos of books.
- pre-coffee scowl.
- hair unkempt.
- lucky if washed within 2 days.
- well-traveled empty coffee mug.
- obnoxious red jacket with patches.

Please note that after the "Coffee Call" has been made, no further questions will be answered until the mug is full of coffee.

It is a MOG. Fill it with coffee and cheese wherever the hell you need it.

And none of this "measuring from another shirt".

Please understand—we are very nice people. But we spend all day answering very difficult questions. We really don’t want to answer questions outside school.

Sincerely,

LTD group and Lucy Hagos for answering diversity questions.

I think your hair smells nice, Charlotte.

OH, BARRY TIL.

WHAT THEY!

MOM! I TOLD YOU! YOU CAN’T USE THE AUTONOMOUS FLYING DRONE TO CHAPERONE MY DATES!

It’s not even about that! If I see a giant eye behind me all day long, it shows a total lack of trust in me and my ability to make good decisions about my own life.

It’s not even about that! I’ll accelerate the Stealth Program.

She Praises a Good Point.

Special Thanks to this week’s Tubes contributors:

- Chris Life for his articles.
- Christina Saimoto for the PM write-up.
- Eric Power for the WESST write-up.
- The LTD group and Lucy Hagos for answering diversity questions.
- Sarah Beth for her contribution.
- The anonymous writer for her contribution.
- Everyone who sent in Snapchats.
- People who sent in quotes.

Send content to essbnws@uvic.ca and Snapchats to ‘fishwrap’!

Wasted Talent

Pour a pint for poverty

UVic Engineers Without Borders Pour a Pint for Poverty Event: October 29th at Maude Hunter's Pub, stop in anytime between 5 and 11pm to enjoy a beer and a burger for only $15. For every purchase, $5 goes towards supporting our chapter. Your name will also be entered for a chance to win two nights accommodation at the Harbour Towers Hotel in downtown Victoria! Like us on Facebook for more information or email evelyn.e.armour@gmail.com. See you there!
TUBES AND WIRES

Snapchats from engineering!

Send Snapchats to ‘fishwrap’! Please keep it clean.

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TUBES AND WIRES

Ask the Love Engineer: The art of designing romance

Dear Love Engineer,

I am currently deeply infatuated with a student in my GRS 200 class. We have bonded over many Youtube videos of cats, and pictures of unhealthy food on the Internet in the back of class. I am hoping to ask her out to a date (possibly to play foosball or set up a sweet LED matrix on my Arduino Uno®). Recently in class, she showed me a new cat video (it was hilarious). I saw she was using Internet Explorer 8. I don’t want to wreck the blooming romance between me and my fellow GRS companion. But how do I tell her she needs to get a better internet browser without hurting her feelings.

Yours Truly,

Loveless Engineer

Dear Loveless Engineer,

It is truly unfortunate that you find yourself infatuated with someone who uses Internet Explorer 8. This creates a delicate social situation that requires much finesse and savvy and no self respecting engineer would date someone who uses such an inferior Internet browser.

To change her web browser preference and construct an adequate romantic relationship simultaneously, consider the following procedure.

First, go through a list of how inferior Internet Explorer 8 is compared to other web browsers. Spare no detail as she must know why her choice is terrible. Since this is a Greek and Roman studies class, use appropriate metaphors where appropriate. For example, if web browsers formed the pantheon of Greek mythology, Internet Explorer 8 would be Phobos, the god of fear where everyone gets it but no one in their right mind would worship it.

Second, go through the long process of helping her choose her new browser. Ask lots of questions about what she would like but, since she had the poor judgment to choose IE8 in the first place, ignore the answers and suggest Chrome. Then you will have the chance to enjoy your cat videos again and also have the whimsical bonding experience of suggesting Chrome plugins.

Sincerely,

The Love Engineer

Send your questions to the Love Engineer at essbnws@uvic.ca

Preliminary Exam Schedule—Subject to Change

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Haunting the halls of the ELW and ECS

TUBES AND WIRES

Co-op job opening!

Company name: Ghostbusters Inc.
Job Title: Ghostbuster/Proton Pack Technician
Co-op Work Term: 2016 - Fall
Position Type: Regular Co-op, Full Time
Co-op Work Term Duration: 4 months full time (1 work terms)
Job Location: New York, New York
Region: International
Salary/Wage: Free room and board in an old fire station
Number of positions: 1
Hours per week: No
Work abroad: Yes

Job Description:
Who they gonna call? That's gonna be you.
Dealing with ghosts, slimes, demons, poltergeists, and other paranormal ills are our business. If you can name ancient demigods by heart or don't mind being covered in protoplasm, we're looking for you!

Qualifications:
• Knowledge of nuclear accelerator technology. Our proton packs use cutting edge nuclear technology to capture ghosts and you will be maintaining our equipment (cleaning slime out of the proton gun, replacing nuclear cores, etc). You will also have the task of designing a cross stream governor to prevent time and space from stopping and the user exploding into particles. You really don't want to cross the streams.
• Have a hands on attitude and problem solving skills. In the field, there will be many new and exciting challenges you will encounter. We have solved such problems as a giant marshmallow man, the Statue of Liberty, and a painting containing an evil sorcerer who tried to take over the city using mood slime. We are always open to hearing about your creative solutions to such fascinating problems. Note that if you do get possessed by demons or ghosts, we do reserve the right to connect you to our equipment for further study.
• Good communication skills. Ghosts, spirits, and demigods sometimes have minds and agendas of their own and can be talked to. We also have an in residence ghost of our own named Slimer who needs constant attention and food. We also need to have someone communicate with customers. They get kind of cranky sometimes after their property gets covered in slime and burned with proton beams.

Assets
• Has memorized various sections of Tobin's Spirit Guide.
• Be able to work nights and on 24 hour call.
• Be able to walk up a large number of steps while wearing a 50 pound proton pack.
• Have good aim as we do not want to cross the streams.
• Do not cross the streams.

Really, don't cross the streams.

We look forward to hearing from you!

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TUBES AND WIRES

Hexadecimal Sudoku

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Crypto Movie Quote

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Engineering Horoscope

1st year
Engineering has no boundaries, but your clients do. Don’t forget the constraints.

Electrical and Computer
Do not allow your D-latches to enter the FORBIDDEN state as it may open the gates to hell.

Mechanical
With stress, there is always strain. You will soon find the ultimate strength when put to the test or you might end up necking.

Civil
When going with the flow, don’t forget the pipes.

Software
When having trouble with functions outside of class, it’s always okay to call a friend.

Biomedical
It takes a thick skin to discuss designing new tissues.

Quotes from Engineering

Mobile is supposed to be the future; you can do anything on mobile except anything worth doing.

-Paul

If you use a Git GUI, you might lose some neckbeard cred.

-Pretio #startupslam

Hello, I’m going to Nigeria to have a vacation, I packed my Viagra to win some shit.

-George Tzanetakis, CSC 421

Can you microwave cans?

-Tal

I’ve got condoms!

-Tal, again

Steve: What the crap is this?
Sarah: It’s a chair, Steve.

I was trying to find some cute pictures of you, but I couldn’t.

-Steve

Sometimes you just gotta wander down some blind alleys and grope around to discover new things.

-Dr. Driesen

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