On Friday June 25, the ESS hosted the Summertime Pubcrawl. Tickets sold out early, and pair of buses filled with 100 eager engineers set out for a night to remember. The planned venues for the night were Sopranos, Upstairs Cabaret, and Plan B.

However, upon arriving at the second venue, Upstairs Cabaret, the pub-crawlers were turned away at the door. Due to miscommunication at the club,

Continued on Page 2

Upstairs Cabaret Turns Away Pubcrawlers

Summertime Pubcrawl Part DEUX

After a fast sell-out, and a successful pub-crawl, The ESS has decided to host yet another pub-crawl.

The pub-crawl plans to feature three venues, and promises to be just as awesome, or more awesome than the recent one. Tickets are available in the ESS office, and are limited to one bus, with the possibility of a second.

Date: Next Friday, July 16

Ticket Price: $15

Why You Should Go: Pub-crawls have a high yield stress, low electrical conductivity and a high concentration of awesomeness.

Contents Of This Edition

- Pubcrawl Recap / Pubcrawl #2
- Formula SAE
- WEC / MiniWEC
- News from the Coop Office
- And Much More

Exam Database Notification

The exam database is again fully available to all engineering students as normal. If you have old exams and want them added to the database, send them in! PDF format is preferred. If you are still experiencing problems with the accessing the database or want to send in some old exams, email them to essb-tec@engr.uvic.ca
UVic Formula SAE - The Fastest, Sleekest Club on Campus

The Formula SAE Team at UVic is like nothing else that you can be involved in as a fan of motorsports. The team formed in 2001, with nothing but a goal to compete in Michigan for the 2002 competition. It finished 95th overall and 5th of the rookie teams, and that first year of competition set the foundation for a team that still competes in Formula SAE today. The goal of the competition is to design and fabricate an open-wheeled autocross car to be sold to weekend racers. The team and car are tested on the track by leading industry professionals who literally wrote the book on race car design.

This past May, the team drove 48 hours straight to Brooklyn, Michigan for the 2010 competition. We scored fairly well in the static events but could not get our car on track to be tested dynamically, due to an engine failure. Although driving all that way to Michigan and putting in over a year of design and build time into a car that broke at the worst time is depressing, the experience more than makes up for it. What other opportunities allow you to apply what you learn in the classroom to a real-world project like building a race car and having it judged by people who design cars for a living? Unlike any other project, this is one you can literally get in and experience.

No car can prepare you for the sheer speed that this car is capable of. In any gear, at any speed, it is capable of turning the rear tires into dust, and before you know what’s happened, you’ve run out of road, and it’s time to turn. Besides being capable of blistering straight-line speed, this car is made to have as much mechanical grip as the rules will allow. The short wheel base and the short steering ratio (3/4 turn, lock to lock) allow the car to be very agile and provide great feedback in the bends, making it unbeatable in an autocross course.

UVic may be better-known for gardens and bunnies, but the Formula SAE team has shown schools around the world what we are capable of. We are already knee-deep in design for the 2011 car and hope to have it completed next spring for testing. We will be attending the FSAE competition in California in June 2011, which seems far away now, but it won’t be long before the sleepless, Tim Horton’s-filled nights of race car fabrication and maintenance are upon us. I encourage anyone with an interest in motorsports to check out our website, www.fsae.uvic.ca, or check us out at the shop or at a test session.

Oh, and since everyone always asks:
• 0-60 mph: Approx. 3.5 s
• Top Speed: Gear limited at 100 mph
• And yes, you can drive it if you put in the time

Paul Yannacopoulos
Engine Mechanical Leader
Western Engineering Competition

The Western Engineering Competition (WEC) is an annual event where over 200 engineering students from across Western Canada come together to develop their problem solving, teamwork, and communication skills through competition with their peers. WEC 2011 is being hosted by the College of Engineering at the University of Saskatchewan in Saskatoon. UVic delegates from both streams will compete in WEC and represent UVic Engineering from January 26-30 2011.

On Saturday July 17, The ESS is hosting MiniWEC as preliminaries to WEC. If you are interested in competing in MiniWEC, sign up for one of the fives events outside the ESS office. It starts at 8:30 AM.

Senior Team Design
In this category, third and fourth year students are confronted with an engineering design problem. Each team is given a week prior to the competition to research the given problem. Then, on the competition day, they have 12 hours to implement their solution with the materials provided. The presentation order will be posted at 7:30 a.m. on Saturday, January 23, 2010 outside of the Peregine Room.

Innovative Design
This category requires the competitors to present an innovative and commercially viable solution to a problem of their own choosing. They are expected to carry out market research and feasibility studies as well as draft a business proposal for their product. The competitors are also required to promote their product at a booth for the public and other attendees of the competition.

Consulting Engineering
The Consulting Engineering category gives teams of four participants five hours to devise an innovative solution to a real-world problem prescribed by a hypothetical client. Each team is expected to assess the economic and social aspect of the problem and present a proposal to a hypothetical client.

The presentation order will be posted at 7:30 a.m. on Saturday, January 23, 2010 outside of the Manitoba Room. All presentation will be closed to observers.

Engineering Communications
In the Engineering Communication category competitors are asked to describe a technical subject in lay-man's terms and present a structured analysis of its societal and environmental impacts. The competitors are judged on their presentation and verbal skills.

Impromptu Debate
The Impromptu Debate category challenges participants to defend, from a given viewpoint, a topic disclosed just before the debate. Each team is composed of two members and they are expected to present a structured defense of the assigned topic.

The debate schedule will be released at 8:00 a.m. on Friday, January 22, 2010 during the competition briefing.

SLUSHIE FRIDAYS
Slushies Are Free!
Cups Are 50¢
Every Friday, In The ESS Office
PubCrawl Recap
Continued From Page 1

club employees informed ESS event coordinator, Rob Bellrose, that the pub-crawlers would have to wait 45 minutes and each pay $20 cover for a DJ show starting later that night.

Disappointed, pub-crawlers returned to their busses and headed for Plan B, where they were quickly welcomed. The night finished as planned. Overall, the pub-crawl was a huge success, and everyone who attended had an awesome time.

Survey of Upper Year Undergraduate Engineering and Computer Science Students

The National Network of NSERC Chairs for Women in Science and Engineering are conducting a national survey on the career transitions of upper year undergraduate students in engineering and computer science. Participation involves the completion of an online survey which takes 10-15 minutes. Participants will be entered in a draw for the chance to win cash prizes (3 prizes of $100). Students can access the survey by visiting www.surveymonkey.com/s/careertransition and entering the password career.

What Grinds My Gears

MMA

What is wrong with our society? Thirst for blood and violence. Modern day Coliseum. Our sand is the taro. Our oval is the octagon, and our seating, the plush leather of home couches.

The feelings are the same; we thirst for the blood and destruction of our fellow human beings. Recently, I overheard a conversation: “Did you see that knockout last night? It was awesome!”

I pray your forgiveness, but what is awesome about a human being throwing a punch so violent and so hard, it causes his opponent’s body to shut down for fear of further damage?

In a world that is constantly seeking peace, entertainment for the masses is brought by blood and bruising.

As we have seen with the tragedy of the Olympics, no sports mistake should ruin a career; no sports mistake should ruin a life. What will become of those fighters who misstep, those who make that single mistake and fall victim to an unfortunate blow? They will be forgotten.

-S. Sermo
Calvin travelled to Prince George in early June to attend the Resources Expo, a networking event for BC’s resources sectors, focusing on the economic and future needs of BC’s resource industries. Topics included traditional extraction activities as well as emergent energy and bio-mass initiatives. Companies in the mineral, gas exploration/extraction and transportation sectors anticipate positive economic trends powered by projects such as gas exploration in Horn River, increased coal production, and continued high demand for molybdenum in the mining sector.

By 2020 they intend to move more commodity products, quadruple their container handling and open a new redistribution warehouse operation.

With Canadian commodities in demand by the US, CN rail is improving the rail line from Pr to the southern states; the Yellow Head Highway is being improved, and the Prince George Airport just completed a runway extension making it the third largest runway in Canada.

Consulting engineering firms are working on all these projects, and with a wide variety of interesting equipment and support companies servicing the resource industries, northern BC is promising to be a source of new opportunities for engineering co-op students, giving you the type of industrial experience you just can’t find in Victoria.

General trends are also promising for Canfor’s mill in Prince George (9 co-ops hired for the summer; another 9 expected to be hired for the Fall.)

To summarize, the economic forecast for Northern BC is very promising. Traditional forestry-based jobs are being replaced by new opportunities in oil & gas and mining, while the transportation sectors required to move these commodities from source to customer are expanding.

This is a good time to take your technical expertise as an engineering student to northern BC and help shape the economic future of these areas. For more details, please talk to Cal.
Brain Buster

Four prisoners on death row are given one last chance to escape their fate. Each prisoner is given either a white or black hat; there are two of each. Three of the prisoners are lined up on the stairs and the final prisoner is placed behind a brick wall (see picture). They are not allowed to look up or turn around. If they correctly guess the colour of their hat they are set free, if they guess wrong they are executed in the morning. Which prisoner knows, with absolute certainty, what colour his hat is?

Answers to last weeks problem:
How to invade, and loot the castle even though your footbridges aren’t big enough.

Deconstruct your footbridges and build them into a giant wooden Victor. Leave it for the defenders as a present.
- C. Hussman

Other Solutions By Faculty
Biology student: Create a bacteria that turns water into gold. Place this in the moat and wait for the people in the castle to come get the gold. Make notes on their behaviour. Collect some of the gold and return rich.
Pre-med student: I took three whole science classes this year. Aren’t you proud of me
Business student: Pay a third party to storm the castle for you.
Law student: Sue the contractors who made the castle and force them to rebuild it. While they are demolishing the castle, sue the residents in the castle for and return with the money as loot.
- C. Smith

Send your answers to essb-com@engr.uvic.ca

Super Sudoku

![Sudoku Puzzle]

**Editor’s Quip**
Why did the rabbit cross ring road? Because it felt like it. But according to UVic’s new rabbit management plan, rabbits aren’t allowed outside the ring. Could somebody please tell me how UVic plans to reduce the feral rabbit population to 200 and keep them inside the ring without a fence? For contributions please email essb-com@engr.uvic.ca.
- Brandon Nikolaisen

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