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**SPECIAL ENGSOC ELECTION FEATURE**



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<http://iwarrrior.uwaterloo.ca>

## Dean Rothenburg Reveals All About Dubai Campus

**YOUSIF AL-KHDER**  
2A MANAGEMENT

As announced last month, the University of Waterloo is developing a satellite campus in Dubai. Located in the United Arab Emirates, Dubai is a rapidly growing city fed by a massive economic boom that is home to some of the most exciting engineering projects in the world. Taking advantage of this opportunity, two new engineering programs are to be established there, in conjunction with programs offered by the Faculty of Math. The Iron Warrior had the opportunity to sit down with Acting Dean Rothenburg this week and discuss this exciting new development for UW Engineering.

The interview began by asking Dean Rothenburg about the current status of the new campus in Dubai and how it is moving forward. He responded by saying that the situation is slowly progressing at the moment, and that communication has been difficult with UW's partners in the UAE, the Higher Colleges of Technology.

Nevertheless, the targeted starting date is set for Fall 2009. To make sure that this target is met, Professor Magdy Salama, from the Department of Electrical and Computer Engineering, has been appointed as the UAE campus director. He will be travelling to the UAE in November to oversee the development of the new site.

Rothenburg also mentioned that the facilities provided in Academic City, UW's new location, are quite impressive, but some of the classrooms will need development to hold the larger number of students. The labs already in place at the site are suitable for students to use, including both civil and electrical facilities.

After mentioning electrical labs and GENE 123, we asked Professor Rothenburg if the courses taught there will be the same as the ones taught here. He replied by saying that UW will try to provide a mirror image of what we do here, and implement it in the UAE, meaning that the

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Stuart Pearson

Acting Dean Leo Rothenburg

## More Cash Pledged For IQC Federal Gov't Promises \$50 Million

**OM PATANGE**  
3B NANOTECHNOLOGY

Every party makes promises during elections, some fantastic, some frightening. During his campaign visit to the Waterloo region Prime Minister Stephen Harper made a fantastic promise to the University of Waterloo. He pledged, according to the Conservative party website, if re-elected he would "...invest in cutting edge computer technology by providing \$50 million to the Institute for Quantum Computing..."

This is on top of the \$50 million that UW Chancellor Mike Lazaridis has recently pledged and another \$50 million granted by the Government of Ontario. UW President David Johnston commends the promise in a news release as a, "...wonderful pledge of support for UW's world-recognized Institute for Quantum Computing."

This isn't the first time IQC has been

showered with funding. It was founded in 2002 with a generous \$15 million contributed by many sources including the Canada Foundation for Innovation and Lazaridis. In 2004 Lazaridis reinforced his support by an order of magnitude larger contribution, bringing his total donation to \$45.8 million. In 2006, IQC again received a windfall from the Government of Ontario of \$50 million. This continual support from these various sources is a testament to the quality of research the academics at IQC produce.

At the IQC, the enormous funds are used to purchase state-of-the-art equipment and facilities to allow the building of quantum information devices, as well as to support international collaborations. With the cost factored out of the analysis, academics can think freely of how best to unlock the potential of quantum mechanics.

Now, with baited breath, we wait to see this latest promise fulfilled.



University of Waterloo

Conceptual Model of new Quantum-Nano Centre.

## UW Grad "Innovator of the Year"

**SARAH SCHARF**  
2B ELECTRICAL

On October 21, 2008, Cameron Piron, a UW Systems Design grad, won the R&D Magazine's 2008 Innovator of the Year Award. Cameron won this award for his company's breakthrough on magnetic resonance imaging (MRI) technology to improve the accuracy and efficiency of diagnosing breast cancer using MRI.

Sentinelle Medical, founded in 2004, is currently 75 employees strong, and still growing. Their technological focus is medical device development, currently specializing in the battle against Breast Cancer. Sentinelle Medical's breakthrough product, the Sentinelle Vanguard Breast MR Auxiliary Table®, is used by medical facilities across Canada, and was developed to be used with MRI machines created by other companies such as GE and Siemens.

For those of you who are not familiar with how an MRI works, here is a bit more information: an MRI machine is made up 3 main parts, the primary magnet, the gradient magnet, and the coil. The primary magnet is a very large cylindrical electromagnet, which is used to create a magnetic field inside the scanning machine. Gradient magnets are used to adjust the magnetic field more precisely around the part of the body that is being scanned. The field interacts differently with different types of tissue within the body, and each type of tissues' atoms will have a unique atomic spin. The coil, the part of the machine that hovers around the part of the body being scanned, emits a radio frequency

to alter the spin of the atoms induced by the field. Based on the frequency required to alter the atom spin, computer software can create an image of the tissue within the human body. Doctors and MRI technicians are trained to be able to read these images and know when tissue is healthy or when there is a problem.

Sentinelle Medical's new breast cancer technology improves the way that an MRI machine interacts with the female it is imaging, as well as the software used to create the images. Sentinelle Medical has found a way to improve the stretcher that the patient lays on during an MRI so that it is easier for her lie still, allowing for a more accurate image. The company has also improved upon the MRI coil (the part of the machine that sits close to your body during an MRI scan) to allow for it to sit closer to the female being scanned for breast cancer, furthering the accuracy of the MR image.

Sentinelle Medical was founded by Cameron Piron, and was created to continue the work that Mr. Piron was conducting during his time as a student. He graduated from the University of Waterloo with a degree in Systems Design Engineering and a specialization in medical imaging. He continued to pursue this area of research while completing his Masters at the Medical Biophysics program at University of Toronto, Sunnybrook Campus. The award winning entrepreneur has been working on his MRI Breast Cancer technology for 8 years, and has conducted over 10 000 clinical trials. Visit Sentinelle Medical's website for more information:

[www.sentinellemedical.com](http://www.sentinellemedical.com)

# Letter from the Editor

## Paper, Paper Everywhere!



**STUART  
PEARSON**  
EDITOR-IN-CHIEF

Hi everyone!

Where has the term gone? We're more than halfway done already. Hopefully midterms didn't take too many years off your life. Things are pretty exciting here at the Iron Warrior- we finally have our new office reorganized and tidied up, and we've finished 3/5 issues for the term. Thanks goes out to the dedicated staff of *The Iron Warrior*, especially my assistant editors, without whom I would still be trapped in the office, and may have failed my calculus midterm.

I'm really proud of this issue- we have a lot of really solid content including an interview with Acting Dean Leo Rothenburg about the new Dubai campus. Also worthy of note is the special four-page election centrefold prepared by Chief Returning Officer Jeff Lipnicky for this term's EngSoc elections. There are a lot of outstanding candidates this time, so be sure to read through and choose wisely, as these will be the people to lead you for the next sixteen months. There are also a lot of really great events coming up in the next few weeks, including Halloween, TalEng, Semi-Formal, and more. Hope to see you there!

*What's black and white and re(a)d all over? A newspaper!*

Now that I've exorcised my terrible pun-demons for the day, I'd like to take a serious look at a topic that's near and dear to my heart: paper. We use it every day, especially as students. It's in textbooks, our notes, paper planes, posters, novels and even the newspapers we read during class when we should be paying attention. Some pieces of paper mean to us more than others- your degree (only a few more years...) or a love note- versus something that serves a more humble purpose, like toilet paper.

Paper has been around for over five thousand years, when the Egyptians started taking bits of papyrus and writing on it. The Mayans and the Chinese made their own paper, and the practice gradually spread through the Middle East to Europe after the Crusades.

Modern papermaking is a massive industry that employs thousands of people in Canada who help transform the product from a towering tree to a ream of 8½" x 11". One of the saddest things I have ever seen was on the side of a mountain in Scotland. Colossal pine trees covered the hillside in a thick green carpet, all except for a vast, gaping scar where the forest had been clear-cut for logging. The same story was true when I visited British Columbia for a weekend this summer.

After the lumber is cut down, it is turned into pulp, from which paper is made. In my experiences, I've found that pulp and paper mills generally smell pretty bad. Edmunston, New Brunswick

is a lovely little town on the Trans-Canada Highway near the Quebec border with a large pulp and paper mill in the middle. The only caveat: an aroma on par with a forgotten side of ham, left to its own devices in your fridge for a few weeks tends to waft through the air. The paper business certainly isn't the most romantic. The closest that the paper industry has come to any sort of "celebrity" status in recent years is through the success of the TV show *The Office*.

But now it's time to address the issue over which I am torn: wasting paper. As someone who makes an effort to be environmentally conscientious, it annoys me

to no end when I see people toss paper into the trash rather than a recycling bin. The bulk of waste sitting in our landfills is actually construction debris and paper products. Unlike plastic, paper does eventually decompose, but without an adequate supply of air and water, it is difficult to properly break down. This means that a newspaper trapped in a landfill may take thousands of years to completely biodegrade. Three millennia from now when people are zipping around in hovercars, this copy of the Iron Warrior may still be sitting at the bottom of the Waterloo landfill, perfectly preserved. In one sense, that kind of longevity is really amazing. However, that's a significant amount of waste that could be eliminated simply by taking the time to recycle.

With the advent of computers and simple electronic communication, much of the need for paper has been eliminated, in theory. When everything is so easily available online, is there really any need for a two-thousand-page phone book? My phone book at home is currently being used to prop up a lamp, and I don't think any of my housemates or I have ever used it for its intended purpose.

On my most recent co-op term, I worked in a department of five or six people who collectively went through at least a ream of copy paper every day. We were good about recycling wasted paper, but it made me stop and wonder: what-ever happened to the idea of a "paperless office"? Shouldn't email eliminate the need for printed memos? Those five hundred page reports could be replaced by a single PDF. We were just one department. If every department of every office of every company used so much paper, imagine how much paper gets used around the world every day!

Establishing good recycling programs only goes so far though; it treats merely the symptoms and not the underlying root problems. As a society we need to reduce our paper consumption from the bottom up, by taking a stand as individuals and cutting back our personal use of paper.

Some people have tried to fight the rising tide of paper consumption by introducing technological alternatives to paper.

One such option that recently caught my eye in the news was a so-called e-book. E-books have been floating around as expensive prototypes for almost eight years now, but lacklustre sales have prevented them from catching on with the public. However, last fall, Amazon released the *Kindle*, an e-book device that was both relatively inexpensive and carried a wide catalogue of over 80,000 titles. Your favourite books can be read on its 6" screen and there are even newspaper or magazine subscriptions available.

I'm all in favour of trying new technology, but here's where I have a slight crisis of faith: I hate wasting paper, and yet I would much rather reading a hard copy than something on a screen. It's really hard to avoid sounding hypocritical, but I can't help it. As a life-long lover of novels and newspapers, the thought of reading one of my beloved books by gazing at a screen is just so unappealing. I spend so much time on computers that I frequently turn to books just to get away from staring at a screen! Besides, nothing beats that "new book smell" or the thrill of cracking open one of your old favourites. It's just not the same!

Same thing goes with newspapers. Even as a kid, I would read *The Toronto Star* cover to cover every morning while eating my breakfast before school. These days, I don't have a newspaper subscription so I still try and keep on top of things by reading the news online, but it just isn't the same! That's one of my favourite things about *The Iron Warrior*- in spite of the decline of print media in recent years, we've hung in there and still manage to publish a real newspaper five times every term.

Whatever you do, when you're finished with it, don't throw this paper out! Put it back in a rack for somebody else to enjoy, or at the very least recycle it. Our overdependence on paper probably won't stop any time soon, but if we all try and make a small difference in our own lives, we might be able to instigate a real change for the better.

If you love or hate what you read in this issue, we want to know! Send us an email to [iwarrior@engmail.uwaterloo.ca](mailto:iwarrior@engmail.uwaterloo.ca). We don't get nearly enough mail these days, and we value your opinion. This is, after all *YOUR* engineering student newspaper, so we want to publish material that you find interesting or exciting. Harass me in the hallway or come pester me at the office- I don't bite, I swear!

***Here's my crisis of faith: I hate wasting paper, and yet I would much rather read a hard copy than something on a screen.***

### Correction

In Chris Togeretz's article, "The Wall", published in the October 11th issue, his diagram was not included next to the article. *The Iron Warrior* regrets this error and would like to formally apologize to Chris.

THE IRON WARRIOR

The Newspaper of the University of Waterloo Engineering Society

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The Iron Warrior encourages submissions from students, faculty and members of the university community. Submissions should reflect the concerns and intellectual standards of the university in general. The author's name and phone number should be included.

All submissions, unless otherwise stated, become the property of The Iron Warrior, which reserves the right to refuse publication of material which it deems unsuitable. The Iron Warrior also reserves the right to edit grammar, spelling and text that do not meet university standards. Authors will be notified of any major changes that may be required.

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# UW Students Face Extradition from Canada

## Charged with Supporting Tamil Tigers Terrorist Group



**SYLVIA WU**  
1T MECHATRONICS

The University of Waterloo appeared in the Globe and Mail twice in one week: once for its start-up incubator VeloCity, and once for its student's extradition ruling.

Ramanan Mylvaganam is a Computer Engineering student working on his master's degree. He served as Vice-President Internal of the Waterloo Tamil Students Association (WATSA) in Winter 2004. He also planned on working for Microsoft's international head office in Redmond, Washington. What made him a national headline was not linked to these achievements: he has been ordered to extradite to the U.S. on charges of supporting the Tamil Tigers on October 19, 2008. He has 30 days to surrender to U.S. officials or appeal the ruling.

A total of twelve men were charged in 2006 for providing material resources to the Liberation Tigers of Tamil Eelam, better known as the Tamil Tigers. Including Mylvaganam, four of the arrested were linked to the University of Waterloo, as well as the FEDS club WATSA. This led to an independent audit enforced by the university and FEDS of WATSA's financial activities. WATSA was later cleared of charges of mishandling funds.

Thirukumaran Sinnathamby, an Electrical Engineering graduate, worked at the San Francisco Microsoft office for two years. He served as president of the aforementioned WATSA while on campus. He is accused of money laundering for the Tamil Tigers as well as smuggling scientific magazines to Sri Lanka.

Thirukumaran Sivasubramaniam is a computer science graduate. He served as treasurer and twice as the president of WATSA.

Suresh Sriskandarajah, the alleged leader of the men arrested in 2006, was no doubt a star in his undergraduate days and fully possesses the entrepreneurial spirit that the university strives to foster in all of its students. He worked for Microsoft and RIM, and founded media-icon.com, a web design company. He also founded

a Vanni Innovation Group (VIG), a volunteer organization that sends students overseas and teaches Sri Lankan students English, technology, and business. He has won scholarships from TD Canada Trust and the Faculty of Engineering, as well as the CIBC Leaders of Entrepreneurship Award while doing his graduate studies at Wilfrid Laurier University.

After traveling to Sri Lanka for a non-paid co-op work term in 2004 (organized through VIG), Sriskandarajah published an article in the Iron Warrior describing his experiences traveling and living in Northeastern Sri Lanka, where he was born and spent his childhood. The region that Sriskandarajah worked in is known as Vanni, the namesake of the VIG. It is interesting to note that this region is the hot spot of conflict between the Sri Lankan government and the Tamil Tigers. The Tigers strive to create a homeland for ethnic Tamils in this region, which they call Tamil Eelam.

He trained about 600 students in solar panel technology for The Economic Consultancy House, a Sri Lankan NGO active in the northern and eastern provinces of the country. In his article, Sriskandarajah expressed concerns about the lack of technology for the redevelopment of the region. He encouraged IW readers to travel to Sri Lanka to help with education initiatives and experience an eye-opener that helped him to "see the bigger picture in life".

Sriskandarajah went back to Sri Lanka later that year. This time, he was with 11 other UW students on a foreign aid mission. Their travel coincided with the Boxing Day Tsunami and the students experienced the devastation first-hand. They split up to work in various refugee camps. Sriskandarajah went back to the Vanni region that he was passionate about, and was appalled by the lack of aid that reached the region. "Thousands of children were forgotten and ignored simply for being born in the 'wrong' region of the country," he wrote. The political tension in the country contributed to the lack of aid and media presence in the Tamil Tiger-controlled region. After he returned to Canada, Sriskandarajah spoke to various media outlets to expose the uneven distribution of aid and urged the

Canadian government to monitor the distribution and ensure that aid is received by those who most urgently need it.

Known as "Waterloo Suresh" by the FBI and overseas Tigers, Sriskandarajah faces the charges of conspiring to buy weapons to help the Tamil Tigers in the Sri Lankan civil war. Further investigation claims that he attempted to buy software that design warships and submarines from the U.K., and night vision goggles from British Columbia, all under the covers of a

school project. He also instructed contacts on the smuggling of GPS, laptops and computer parts into Vanni. In 2006, he was arrested in Southern Ontario and was later released on bail, partially based on his positive contributions to the community and a model student reputation. Waterloo professors and KW Tamil community leaders vouched for his character. He will hear an extradition hearing in early 2009.

## WIE Tea Party



**JACLYN SHARPE**  
4A MECHANICAL

Hi. My name is Jaclyn and I'm a girl.

It's not exactly a shocking statement, so why do I try so hard to act like it isn't true? I never wear pink, or carry a purse. I don't often drink anything but beer and scotch. And I wouldn't know what do with a makeup kit if I had one. I was going along peacefully in this existence until I started organising a Women in Engineering Tea Party.

The idea to have a tea party came to me a few terms ago. At first it was just a joke; how ridiculous to have the women in engineering do something so stereotypically girly! I pitched the idea to a couple of people but rather than laugh at my joke I found that people were genuinely uncomfortable with the concept. The more opposition the idea encountered, the more intriguing it became. If there was no problem with being a woman in an engineering program, then there shouldn't be any reason not to have a tea party.

Previously the women in engineering directors had held movie night socials, but the problem emerged that it is hard to socialize while watching a movie. The tea party had an advantage: what better event than to lure people in with tea and cookies, then give them nothing better to do than talk to each other.

To pre-emptively refute the seemingly inevitable criticism of our controversial event it was decided that an article should be written for the Iron Warrior. But, upon

attempting to write the article, I ran into one insurmountable roadblock: I couldn't think of any good reason not to have a tea party. Yeah it's playing into a stereotype, but what's wrong with liking tea? I guess it could be taken as sexist, but what is it implying?

The only compelling reason not to call the thing a tea party was that some of the girls that I had talked to, admitted that they didn't necessarily feel comfortable going to a "tea party". Ah ha, now I was getting somewhere! Come to think of it, I'm pretty sure that if I wasn't the one organising the thing, I wouldn't go for the very same reason. So it comes down to the fact that girls in engineering are uncomfortable being seen as feminine? I haven't taken any PSYCH courses, but I would wager that there is still an underlying worry (at least among girls) that being a good engineer and being feminine are incompatible states. That would explain my irrational fear of drinking coolers.

In light of this revelation the tea party has taken on a whole new significance for me. It is no longer a joke based on the juxtaposition of macho engineering against the girly notion of a tea party, but a challenge to myself not to see being an engineer and being feminine as mutually exclusive.

Of course, I'm basing most of this off of my personal experience, so I may be way off the mark. If you disagree with me I look forward to discussing the issue with you over tea and biscuits on November 6th.

**Also see IRON CHEF:  
TEA PARTY SCONES on Page 17**



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# Cool Ideas Come to Waterloo

## Jay Ingram Speaks to UW Students About Global Warming



**JON MARTIN**  
1A CIVIL

On the evening of October 8, the University of Waterloo, specifically Federation Hall, played host to Jay Ingram. Ingram has introduced and inspired many scientists and engineers through his hosting of the Radio program "Quirks and Quarks". For many years Jay Ingram has been the host of *Daily Planet*, a science and technology based news show on the

Discovery Channel.

Ingram's talk focused around his new book, *The Daily Planet Book of Cool Ideas: Global Warming and What People are Doing About It*. Instead of focusing on the science of global warming, something which has been reiterated numerous times since it gained attention, the talk focused on the many ingenious ideas devised by professionals and regular citizens alike. Ingram emphasized that although the big plans and government initiatives have failed so far, the future will rely on small solutions making incremental headway in cleaning up our ravaged environment.

Many of the ideas described by Jay Ingram are featured in his book, including a sixteen year old who converted his pick-up truck to an electric vehicle: for only \$6000. Jay also spoke about solar vehicles, apologizing for only having a picture of the University of Calgary's solar car (Ingram graduated from the University of Calgary). He did grudgingly mention that the Waterloo solar car, Midnight Sun, finished a recent race far ahead of the University of Calgary's "Schulich I" solar car. "I acknowledge your temporary superiority," Ingram joked - watch out Midnight Sun, you have been chal-

lenged!

A recurring theme throughout the talk and the book was individual people doing their own parts to help the environment. Numerous housing designs attempt to limit or remove carbon dioxide emissions entirely, through geothermal heating, solar panels (for both electricity and hot water), and passive solar heating. The book is filled with fascinating ideas and innovations; whether they are put into widespread use is unknown, but they do represent the drive and determination to consider all possibilities and alternatives to fossil fuels.

# Harper Misses Majority, but Gains Ground

## Conservative Reign Continues Across the Nation



**JON RADICE**  
2B CHEMICAL

On Tuesday October 14th, Canada's future just got a little more blue. The Conservatives retained their control of the House with 143 seats, just eight away from the coveted majority foothold. Harper gained stronger showings in Ontario, New Brunswick and BC, places where the Conservative Party wanted to gain more ground. The only factor stopping Harper from gaining a majority government was the party's poor showing in Quebec, where they retained the same number of seats as the 2006 election. Gilles Duceppe, leader of the Bloc Quebecois, stated that without the Bloc's strong 50 ridings won in Quebec, Harper would have gained a majority of the government.

The election results were nothing but a massive disappointment for the Liberal Party. Having lost 19 seats in the House of Commons, the Libs were nearly shunned from all rural areas in Canada. Only the Maritimes and urban areas in Quebec, BC and Ontario were spotted red this time around, giving them a paltry 76 seats in the house. Many people found that Dion lacked leadership qualities; an image enhanced by Conservative attack ads reminding the voters that Liberals were responsible for the "Sponsorship Scandal" of yore. Even in our home riding, a Liberal stronghold for the past five election terms, Conservative Peter Braid edged out the long-time incumbent Peter Telegedi by a mere 73 votes. Many Liberal supporters in the area blame Telegedi's loss on the increased amount of Green Party supporters, no doubt having higher numbers of converts from the Liberal party than from the Conservatives. The Greens in the area doubled their number of

votes this time around, taking home 12% of the popular vote.

Jack Layton's NDP put forth very strong effort, grabbing ridings across the country, in a more blended rural-urban spread than the Liberals. Their 37 elected members came from unexpected places; breaking through the Conservative stronghold of Alberta, NDP claimed one spot in urban Edmonton, a first for the party. In addition to that, Layton's party garnered 9 more seats than in the 2006 campaign, a strong indication of the future change in Canadian voting mentality.

The Greens had a fairly unimpressive election from the goals they set forth at the beginning of the campaign. With their sights set on becoming represented in the House along with 10% of the popular vote, the Green Party fell short on both accounts. However an increase of 2.33%, the biggest gain of any party this election, shows that the Greens have plenty of fight left.

So what does this mean for you? How will this election change your daily life? With an increased majority, the Conservatives will have a slightly easier time passing their motions, only requiring any one party's approval to get motions past. Although people claim that a minority government gets nothing done, minority governments allow for compromises to be made by the party in power, which in turn will require the voice of the opposition. This allows for a more balanced approach when it comes to listening to the will of the people when making laws. And for those of you that didn't vote, I tip my hat to you; this election had the lowest voter turnout of any federal election ever! With only 55% of all eligible voters actually casting a ballot, apathy makes up the largest political mindset in Canada. Unfortunately, those people will have to feel the effect of the party in power just the same as those of us who did vote.

# Looking Back on Oktoberfest

## Am I missing something here?



**MICHELLE CROAL**  
2B CHEMICAL

So last week I attended my first official Oktoberfest event, right here in our own once-a-year Bavaria. Last issue Sylvia covered some of the then upcoming events, including opening ceremonies, the famous Thanksgiving Day parade, and the various 19+ evenings at the Festhalle around town, and I promised a follow up article for this issue. (In case you didn't notice, here at the Iron Warrior we like to inform you of events before they happen, then relive them all again in detail afterwards in case you didn't take our advice and go!).

Upon arrival at Bingemans, we sort of milled around for a little while, before finally figuring out the beer and food lines. I liked the enthusiasm of the attendees, with an abundance of lederhosen, dirndls and Robin Hood style hats with extra-extra large feathers. Starving as I was, with no food at home, sausage was just what I wanted; the dinner was pretty delicious, despite being rather overpriced. Waterloo Engineering seemed to be severely underrepresented,

judging by the surprisingly large number of red Mac Eng coveralls and UofT leather jackets, but apparently there was more than one "University Night", located at different venues of all things! With that and looming midterms, I called it sabotage.

The music of the night was a good mix of polka, oom-pa-pa and modern top 40s (al-

though thankfully not all in the same song). I think that the highlight of the evening was the "Gotchky Stuffing Contest", where two teams, consisting of a male and female member each, competed in a portable boxing ring for the title of Sauerkraut-Pant-Stuffing Dynamic Duo. After the bell rang, the teams had about 30 seconds for the female member to stuff as much sauerkraut as physically possible into the pants of the male team member. At the final judging, standing up from the kneeling-stuffing position resulted in both guys pretty much losing their pants. In the battle of sauerkraut and gravity versus the elastic waist bands, it was obvious which won, and props to Commando Colin for such a brave performance!

Overall, it was a fun night, but I found that the whole thing a bit dissatisfying. I have German heritage through my mother, and yet this whole Oktoberfest thing seemed very cliché and strained. Drinks, food and souvenirs were overpriced, and it seemed very much like a touristy trap. "A drunk and his money are easily parted" type of thing. Maybe it's just me; that I'm starting to find I need something more enter-

taining to do with my time than just drink, or the fact that my schoolwork is starting to pile up and my conscience was nagging at me for partying on a Thursday. Or, it could also have been the smell of stale beer and sauerkraut on the dance floor (two of my least favourite eau-de-colognes). In any case, I think I may wait until I find myself in Das Wickliche Deutschland before I attend another Oktoberfest...



Michael Seliske

Finally, a valid excuse to wear lederhosen!

## MORE THAN JUST COFFEE & DONUTS

The EngSoc C&D has more than just Coffee and Donuts. Stop by for a variety of freshly prepared sandwiches, baked goods, soups, and more! It is run by students for students, so the prices can't be beat!

There are a variety of specialty coffees available - including fair trade. Bring your own mug to help the environment too!



**HOURS OF OPERATION**  
MONDAY-THURSDAY 7:30AM - 7:00 PM  
FRIDAY 7:30 AM - 5:00 PM

**ENGINEERING SOCIETY**



# Exciting Future for UW in Middle East

## MIDDLE EAST EXPANSION

Continued from Page 1

courses taught there will be the same as the ones here, and will be instructed by Engineering faculty from UW. To maintain the high standards of teaching currently found at the University of Waterloo, seven engineering professors will be sent to the UAE. Some of these professors will be spending a term there, while others will be spending up to a year. These professors will not just be teaching engineering courses, but will also be taking on other subjects, such as the mathematics courses. Eventually, the Math Faculty will be taking over these courses once they start their programs in the UAE in 2010.

When asked how the new students will be able to connect to the campus here in Canada from the other side of the world, Rothenburg said that UW is working on this issue. They have examined other satellite campuses in the region, such as the Texas A&M University in Qatar, and their chosen methods of dealing with this problem. So far, UW is planning to create a video link between the two campuses. He also hopes that there will be opportunities for students from the Waterloo campus to go to the UAE and help make the ties stronger between the two campuses. This initiative would also include providing more co-op jobs in the UAE. Regarding co-op, he said that it has been one of the most difficult parts of this project, and

that UW will be relying mainly on Canadian companies that are present in Dubai. For instance, SNC-Lavalin has taken on a commitment to providing jobs for several of the Dubai students. In addition, they have contacted one local company, Abu Dhabi Water and Electricity Authority, which supports the university in its new project and is willing to hire co-op students.

Accreditation for the new programs has not been a significant issue because the course load will be identical to that of their counterparts in Canada. By ensuring that the Math 116 course offered in Dubai is the same one being taught in the basement of RCH, the university manages to avoid the significant hurdle of requiring extra approval.

UW will be enrolling about 50 students into each of the Civil and Chemical Engineering classes in the UAE, and these students will be joining their classmates in Waterloo in 3A, Winter 2012, Dean Rothenburg said. Rather than segregate the Dubai students in separate classes from the original Waterloo students, they will take the same classes together so that they can benefit from each other's different experiences.

When questioned about the task of finding Teaching Assistants for the courses offered at the Dubai campus, Rothenburg explained that it was one of the trickier issues that they have resolved. The uni-

versity will be hiring full time graduate students who will work as TA's for multiple courses at a time.

When asked about what he hopes that the students from UAE will bring to Waterloo, Dean Rothenburg said that he expects these students will bring a more international culture. This will help UW increase its already-impressive diversity while also helping the school become more internationally involved and globally recognised. He also hoped that students in these 2 programs are not just from the UAE, but from neighbouring countries as well, as this will also contribute to UW's international image in the Gulf region.

Finances are always an important issue to university students. All students attending the Dubai campus, will pay international fees, including Canadian citizens who decide to study there. Canadian citizen students will pay domestic tuition fees once they are in Canada, although Dean Rothenburg expects that the majority of students in the UAE will hail from the Middle East rather instead.

Student culture is a significant aspect of the University of Waterloo experience; our Engineering Society is extremely active and possesses many beloved, long-standing traditions. Asked if EngSoc, WEEF and other societies will be recreated in Dubai, the Dean replied with a resounding "Yes!". He believes that it is essential to have such societies at the new campus so

that the students there will become more familiar with UW and have a better idea of what to expect when they finally arrive here. He explained that this can only be achieved by the help of students from the Canadian campus (this might be your chance to go to Dubai!). Naturally, the IW staff were quite hopeful and curious as to whether or not The Iron Warrior would make an appearance in the UAE. Even if a student newspaper is not established in Dubai, article submissions from students there with different perspectives would be an excellent contribution to The Iron Warrior.

Given the strong presence of Women in Engineering (WIE) in Waterloo, it is important that such values and positive attitudes be carried over to any new extensions of the University. When asked about the opportunities available for female engineers in Dubai, Rothenburg noted that WIE will definitely be present at the new campus. The percentage of women studying engineering in the United Arab Emirates is approximately 50%, substantially higher than at Waterloo.

The future of Dubai looks bright, with extraordinary developments set to continue there for many years to come. By establishing a campus in the Middle East, the University of Waterloo is set to continue its steady growth and become an increasingly bigger player on the world stage.

## Genius Bowl XIV

### Have You Got What it Takes?

#### GENIUS BOWL DIRECTORS

##### ENG SOC A

What do a zipper, O.J Simpson, a goose and Teletubbies have in common? They are all topics that can potentially come up in this terms awesomely amazing Genius Bowl competition. What is Genius Bowl, you ask? Well for all of those not in the know, Genius Bowl is a once-per-term trivia competition that tests your geekiness, random factual knowledge and rewards people for remembering the

weird stuff (Edcom likes the weird stuff, so there will be lots of it). On **Wednesday, November 19th**, teams from all disciplines will dress up in ridiculously-themed costumes and show the rest of engineering how much random knowledge they know. Teams consist of five people that can range from a group of friends, a class, or any sort of people that have some kind of random connection. It's free and all you have to do is sign up your team ahead of time on the Orifice door. The sheet will probably be appearing some-

time in the next few weeks so keep reading the Iron Warrior for updates. Also check out the snazzy posters that will start appearing on bulletin boards everywhere. Besides the super fun times you will have at this awesome event, you will also be receiving P\*\*5 points for participation and even more for winning. Before I give you some warm up questions, we do need a few judges to look over the question sheets, so if you would like to be a judge, please email [mseliske@engmail](mailto:mseliske@engmail). It is always fun to see the hilarious answers peo-

ple come up with when they don't know the answers. Teams will be rewarded for creative and hilarious responses.

Now for some warm ups:

#1. What NFL franchise has no logo on their helmet?

#2. What is the relationship between your daughter and your first cousin's grandson?

#3. What is the name of the atomic bomb that was dropped on Nagasaki?

Check out the next issue of IW for the exciting answers and more warm-ups!



## Sandford Fleming Foundation

Professionalism.  
Leadership.  
Communication.

There's more to an engineering education than engineering.



### Sanford Fleming Debates

November 3, 4 & 5 from 11:30am to 1:00pm

EIT 3145 (Nov 3, 5)

CPH 2371 (Nov 4)

Finals outside POETS in CPH November 7 at noon. Refreshments served at finals.

The Foundation has established the Sandford Fleming Debates in order to encourage the art of debate among engineering undergraduates. Each term, there will be one faculty wide competition. Members of the winning teams will be selected to represent University of Waterloo at the annual Ontario Engineering Competition.

Register for the debates by sending an email to Professor Jeffrey at [sajeffre@engmail.uwaterloo.ca](mailto:sajeffre@engmail.uwaterloo.ca). Include your name, department and contact information. Professor Jeffrey will try to accommodate any conflicts you might have but be prepared to participate on any of the dates.

#### PRIZE MONEY

1st Place - \$300 to each team member

2nd Place - \$150 to each team member

**E2-3336, ext 84008, [sff@engmail.uwaterloo.ca](mailto:sff@engmail.uwaterloo.ca)**

**[www.eng.uwaterloo.ca/~sff](http://www.eng.uwaterloo.ca/~sff)**

# An Illusionary Bubble

MEGAN CAMPBELL  
SYSTEMS DESIGN 07

During my five years in Engineering at Waterloo, I'd often find myself completely within the Waterloo bubble. At times my world consisted only of the lab, the Systems hallway, the EWB office and Kismet. Things outside the bubble seemed far away and it was always a bit of a shock when events from the outside world (like the time I forgot my mom's birthday) broke through the bubble. I was reminded of that feeling this past weekend when I visited my good friend from work, Loti. Loti has a TV and after a few weeks of living without electricity in my little village house, I was looking forward to indulging. I switched on the international news station and was actually shocked to realize they were still talking about - were fixated on, really - the financial crisis.

Of course I had already heard all about the crisis, but at that moment I realized talk about it must be so much more omnipresent in Canada than it is in my daily life here. The Malawian newspapers cover it but their headlines are mostly captured by the roll-out of the national subsidized fertilizer program and the political jockeying taking place in the run up to next year's presidential election. The effects of the crisis seem distant to me personally, since my salary is already zero. And lately the bubble of my life hasn't seemed to include bank bailouts and stock markets.

At the end of every day I walk home from the field office for half an hour down a dirt road to the village of Kankudzua. Usually I sit on the front step of the small tin-roof house I rent from the Boniface family reading my Chichewa lesson book until the light fades, then head across the road to the Boniface's house. Mrs. Boniface, her sister, her two daughters and I squeeze into her kitchen hut, cook and eat dinner around her fire, share stories from the day and laugh at my Chichewa. They

are my family here and little by little I'm connecting to their lives. Last weekend Mrs. Boniface took me on a tour of the dry-season garden she's growing as part of an irrigation scheme supported by a local NGO and the other day she told me about the 15 HIV positive neighbours she cooks for as a home-care volunteer. One night her daughters kept me up late teaching me the dances for a local wedding, but I'm usually in bed by 8, along with the rest of the village. Economic upheavals seem far away.

**That distance is an illusion - world crises and trends affect my family in this quiet village.**

But that distance is an illusion - world crises and trends affect my family in this quiet village. The rise in the price of oil is one reason why the price of the fertilizer that Mrs. Boniface needs for her maize fields shot up from 4000 kwacha per bag last year to 11,000 kwacha this year, putting it nearly out of her reach. All four of the countries to experience a financial crisis in the past 20 years dropped their foreign aid by at least 10 percent, and if that happens worldwide, the funding for NGO projects like the micro-irrigation scheme that helped Mrs. Boniface create her garden may disappear. I can joke about my \$0 salary, but Mrs. Boniface is so much more vulnerable; her ability to continue sending her girls to school, growing enough maize to feed her family and having the time to care for sick neighbours will weaken if she can't afford fertilizer for her fields or loses the support of local organizations. Global troubles are coming a lot closer to this Malawian village than I realized.

*Megan graduated from Systems Design Engineering in 2007 and is currently working in Malawi on a two-year placement with Engineers Without Borders. This is her third article in a series on her life in Malawi - for more stories (including how she accidentally crossed the Mozambican border, how she had a rooster as a roommate, and how she is increasingly fascinated with human excrement) see whereismegan.blogspot.com.*

# Mr. Be-an-Engineer

## Rowan Atkinson: More Than Meets the Eye



SHELDON FERNANDES  
1A SYSTEMS

Mr. Bean. Blackadder. Johnny English. Enrico Pollini (Rat Race). If any of these names are familiar to you, you know who Rowan Atkinson is. So to all who doubt the creativity of the engineer (I must confess, I have several times been in doubt after rounds of technical classes), you'll be pleased to learn that Rowan Atkinson originally headed into Engineering. Atkinson gained a degree in Electrical and Electronic Engineering at Newcastle University, and continued with an MSc in Engineering Science at Oxford. It was only when he met Richard Curtis, an English student and future comic writer, that Atkinson turned to comedy and acting. Is it so hard to believe though? If you read my article How is a Musician Like an Engineer? from the previous issue, you might agree that there is quite a bit of overlap between artists (whether musician, actor, visual artist, etc.) and engineers. In order to do as thorough a job as possible,

anyone working in the film industry for example must be aware of all the steps taken in order to create the film, from pre-production to filming to post-production to release. Both internal and external factors must be considered, much like in engineering. Atkinson also has a hand in diverse aspects of show business - he has worked as a comedian, a TV actor, a film actor, but also as a producer, director, and writer. This tells me that he sees his work through the big picture, a very important aspect of an engineer's job. Here is a direct quote from Atkinson that effectively displays this point of view: "Mr. Bean is essentially a child trapped in the body of a man. All cultures identify with children in a similar way, so he has this bizarre global outreach. And 10-year-old boys from different cultures have more in common than 30-year-olds. As we grow up, we acquire this sensibility that divides us". It's also very important to note that Atkinson thoroughly understands exactly how much work must go into engineering. After all, as he once put it through his character's mouth in Rat Race, how many times have you heard "I make a joke to make you forget how screwed you are!"

# Halloween Happenings

HALLOWEEN DIRECTORS  
ENG SOC A

So Halloween is this weekend and we, as your Halloween committee, wanted to give you a heads up of all the great events we've got planned for you! On Thursday October 30th starting at 11:45 AM, there will be a special Halloween-themed



Engenuity with lots of candy! The festivities really kick into gear on Friday October 31st. Come out to see the CPH

Foyer all decorated and to watch a pumpkin pie-eating contest! There will also be pumpkin carving, bobbing for apples, and more candy! For all you Plummers graduating in 2012, come out to the CPH Foyer at 12:15 for a special 2012 costume contest organized by the 2012 year spirit directors!

Hope to see you all out in costume!

Your Halloween Committee,  
Adriana, Nicole, and Tim

# The Wall: Part II

## Bridging the Gap Between School and Work Term Experiences

CHRIS TOGERETZ  
4N CIVIL

In the last edition of the Iron Warrior I was talking about an imaginary wall that can slow down interaction (learning) between your engineering courses and your work terms. Here is one of the comments I received about that topic:

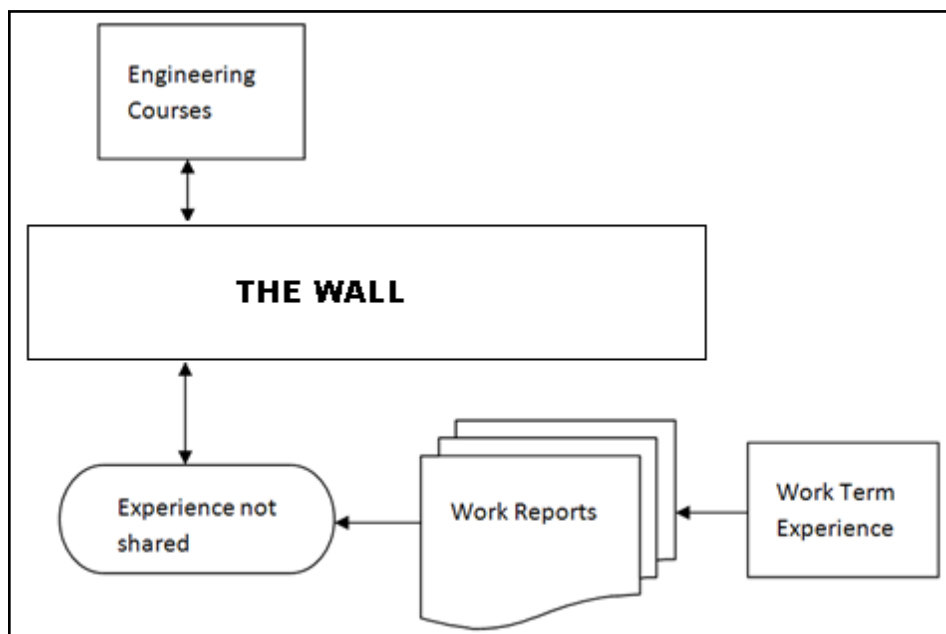
"Where is the diagram???" - Me

Here is what it should look like, at the

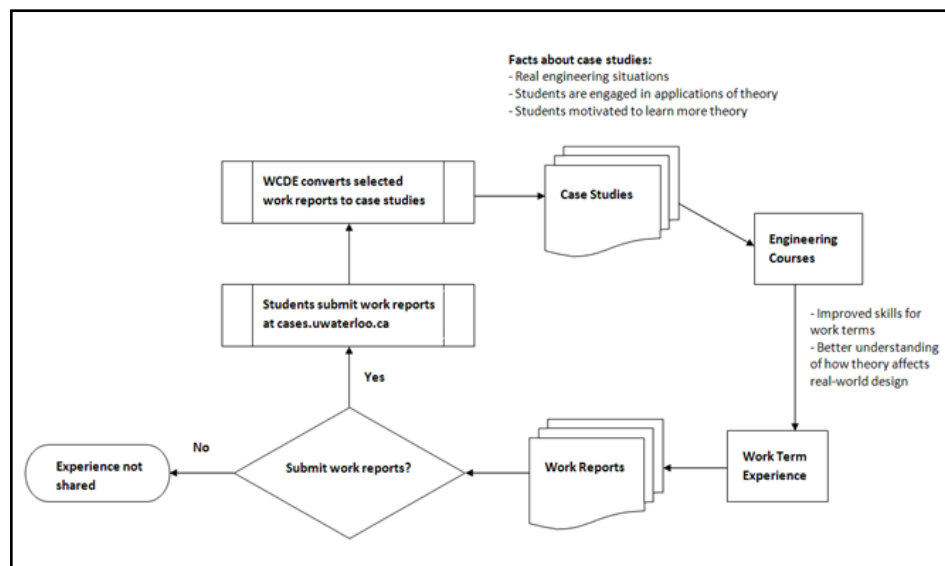
bottom of the page.

Obviously, it would be great if someone could do something about getting rid of this wall! As it turns out, the "Waterloo Cases in Design Engineering" group (WCDE) is trying to remove the wall between work terms and school terms by bringing work-term experiences into classrooms. How? By converting suitable work term reports into case studies!

Check out the awesome flowchart be-



What is 'The Wall'?



### Breaching the wall

low that explains it all!

Both as a WCDE co-op student and as an engineering student, I'm really excited that skills that students learn in the workplace can benefit entire classes of future students; and I'm also thrilled that by the use of case studies in the classroom, the course material is presented as something so much more useful.

Do you want to help out? Submit your work term reports! It's quick and you and your employer will be contacted if we'd like to make a case study out of it - just visit [cases.uwaterloo.ca](http://cases.uwaterloo.ca).

I'm not sure what direction you'd like me to take for the next article, so I'll leave that up to you! I have a few ideas - email me ([design@design.uwaterloo.ca](mailto:design@design.uwaterloo.ca)) with your vote on the next article.

1) A smallish engineering design case study - with some awesome problems or questions for you to chew on!

2) A detailed explanation of how case studies converted from work reports can benefit students, co-op, industry, and professors.

3) A short survey about what you think about work term reports!

## Mo' About Movember

Change the Face of Men's Health



**MARISSA BALE**  
2T CHEMICAL

Movember 1st is soon to be upon us, and I would like to take this opportunity to give you all a little more information on Movember. Information on Movember itself and terms used is available in the previous issue of the IW.

### First off, the rules:

1. Once registered, each Mo Bro must start November 1st with a clean shaven face.

2. Then, for the entire month of Movember, each Mo Bro must grow and groom his moustache according to these rules:

- a. There are no beards
  - i. A Mo has no bottom
  - ii. There is to be no joining the Mo to the side burns – that's a beard.
- b. There are no goatees
  - i. There is to be no joining of the handlebars - that's a goatee
- c. A small complimentary growth under the bottom lip is allowed (aka a tickler).

Movember culminates in a fabulous Gala Parté. Ours will be held at EOT. At the party, Mo Bros and Mo Sistas are encouraged to dress up - the Mo Bros to suit their Mos, and the Mo Sistas to suit their Mo Bros.

Prizes will be awarded in the follow-

ing categories:

1. The Lame Mo (or Invisible Mo)
2. Best Mo in Character
3. Best Mo Bro with his Mo Sista
4. Man of Movember (or Best Mo)

More categories may be added as the party approaches, so keep an eye out for that.

At the last EngSoc meeting, Dave Halford (the VPX) announced that if \$5000 could be raised before the first EngSoc meeting in November, he would recreate the ridiculous and super-sketchy handlebars he had going on last fall term. So, you know, if you want to see this (I certainly don't), make sure to hand in any money you've raised so far to me by 4:30pm on that day so that I can count it up and he can shave if he has to.

More information is available at <http://ca.movember.com>, or email me at [mbale@engmail.uwaterloo.ca](mailto:mbale@engmail.uwaterloo.ca). If you would like to register to be on our Movember team, go to <http://ca.movember.com/ca/register> and follow the steps. Once registered you'll be sent all the information you need to get donations and get growing as part of our Movember team. You'll need these details to register online:

-Captain's registration number: 1334741

-Captain's email address: [mbale@engmail.uwaterloo.ca](mailto:mbale@engmail.uwaterloo.ca)

We challenge you to change the face of men's health.

## Go Eng Girl!

Engineering, information and free cookies



**SARAH SCHARF**  
2B ELECTRICAL

This year's WIE Go Eng Girl event was a huge success. 82 excited girls ranging from grade 7-10 and 82 hopeful parents registered for the day of engineering filled fun. The girls were welcomed Saturday morning by Amit Chakma, the VP of UW Academics and Provost, as well as a keynote speaker, Cat Coode. Ms. Coode is a 2001 Electrical Engineering Graduate from UW, and now is a manager at Research In Motion.

After the introduction to engineering, the girls went to work making some engineering creations while their parents listened to some females from the industry. Girls from grades 7 and 8, of which there were 49, built an earthquake proof structure, while the other 33 girls, who are currently in grades 9 and 10 worked on a small scale wind turbine. Both of the groups were given instructions and worked in teams to make their ideas come to life. Activity coordinators tested the girls' constructions to demonstrate to the girls the results of their work.

The speakers that the parents listened to while their daughters were engineering up a storm were Diane Freeman (Civil '92), Environmental Engineer, Conestoga-Rovers & Associates Limited, Sara Raichyk (Systems Design '07), Management Consultant, McKinsey & Company, and Phil Bezaire (Physics '05), Associate Director of Admissions for Waterloo Engineering.

Once the morning activities were wrapped up, the girls joined with their

parents to enjoy a free lunch in the South Campus Hall Festival Room. After lunch, the group had a chance to participate in a question and answer session with a panel of 5 female engineering students from UW Engineering. The panellists ranged from 1A all the way up to 4A, and were from varying disciplines, one each from Systems, Electrical, Environmental, Software, and Civil. The panellists answered questions such as how they figured out they wanted to be in engineering, what they do for fun, and why they choose Waterloo Engineering. After the Q&A session was completed, the girls and parents had the opportunity to visit a few booths from students teams and on campus organizations.

The feedback from the girls and parents was that they really enjoyed the event, and thought it was well done.

Not only is it an opportunity for young girls to visit engineering schools and learn about what engineering has to offer, it is also a place for female engineering students to get together and work towards a common goal. 24 female student volunteers helped to run this event, and WIE is hoping to increase this number for next year. WIE is a great place to meet other females in the industry, and they provide professional development, volunteer opportunities, and is a great way to network.

If you'd like more information on this event or other ways to get involved with Women in Engineering, visit their website at <http://www.eng.uwaterloo.ca/wie/index.html> or email the WIE coordinator, and the organizer of Go Eng Girl, Sabine Kawalec, at [skawalec@engmail.uwaterloo.ca](mailto:skawalec@engmail.uwaterloo.ca). WIE faculty event information can also be found at <http://www.eng.uwaterloo.ca/wie/About/join.html>

## Midnight in Paris

Come to This Term's Semi-Formal!

### SEMI-FORMAL DIRECTORS

ENGSOC A

Lectures, assignments, labs, tutorials, extra help sessions, midterms, quizzes, studying, technical reports, finals... Such is the university life. The path you have chosen is quite demanding and mentally draining at times. But you will grin and bear it. Why? Three reasons: 1) to graduate from the BEST engineering university, 2) to get an amazing job through co-op, and last but not least, 3) to get your iron ring in 4th year. (And no one said you couldn't have tons of fun while doing it!)

EngSoc is here to help you achieve your quota of weekly fun. On **Friday, November 14th**, wine and dine in the company of your friends and classmates and dance the night (and post-midterm stress) away at "Midnight in Paris", this term's engineering semi-formal dance. Come to the Festival Room at South Campus Hall and experience the atmosphere of France without leaving the country, let alone the comfort of the UW campus.

Semi-formal is an opportunity to expe-

rience what the faculty of engineering has to offer outside of the classroom. With an appearance by The Tool and the Tool-bearers, it is more than just your average dinner/dance. It is a chance to mingle with fellow engineers and impress everyone with your classy sense of fashion and unique dance moves. It's also a great chance for Frosh to hang out with upper-years. Male engineers: if you need an added incentive to show up, Architecture will be coming to semi, and that means more girls!

Three ticket options will be made available: Dinner and dance costs \$30 and must be purchased by Tuesday, November 4th. Tickets to just the dance can be purchased in advance for \$15 or at the door for \$17. Tickets will be available in the CPH foyer at lunch from 11:30-1:30, or in the Orifice during the rest of the day.

On the night of the event, doors will open at 6:30pm and the party will continue until 1:00am. Don't forget your Watcard!

Hope to see you at semi-formal. We will be waiting patiently under the Eiffel Tower!

## New Guidance in a Time of Change

### JON MARTIN

1A CIVIL

Waterloo recently saw the appointment of a new Chancellor, Prem Watsa, a leader of Canadian business. As the 9th Chancellor of UW, Prem Watsa will be responsible for bestowing degrees and diplomas on graduates, as well as presiding over ceremonies. Watsa will begin his duties as chancellor on May 1, 2009, taking over from Mike Lazaridis.

Watsa was born in Hyderabad, India in 1950. He graduated with a degree in Chemical Engineering from the Indian Institute of Technology, also earning an MBA from the University Of Western On-

tario: Richard Ivy School Of Business. He is also a chartered Financial Analyst. Watsa is also extensively involved in many prominent organizations, including the Royal Ontario Museum and the Hospital for Children.

In addition to awarding diplomas, Watsa is charged with advising and leading the university in the coming years. Watsa is particularly suited to this task, as he is the founder, chief executive officer, and chairman of Fairfax Financial Holdings in Toronto. As Waterloo enters its sixth decade, the future holds many plans for expansion, and redefinition of the university. Watsa's experience and available guidance will be a valuable resource in the coming years.

## WEEF Report



**BRANDON DEHART**  
WEEF DIRECTOR

Alrighty folks, the time has come to make the improvements **\*YOU WANT\*** to the labs and classes **\*YOU CHOOSE\***. It's proposal submission time, and they're due on Monday, November 3rd. All of the information you will need to fill in and submit a proposal for new lab equipment, student teams, improvements to fourth year rooms, etc. can be found on the WEEF website: [www.weef.uwaterloo.ca](http://www.weef.uwaterloo.ca)

And now for a new initiative: I want every single one of you to be looking out in your labs for WEEF stickers on the equipment, on the doors, on cabinets holding

sponsored equipment, all of it. If it doesn't have a WEEF sticker on it, ask the lab instructor(s) if the item(s) had WEEF funding. There has been a large lack of sticker-ing going on and I want to make sure that every piece of equipment that was paid for by students is visibly recognized. If it was sponsored by WEEF and there isn't recognition somewhere on the part or on the container for the part, there are stickers available in the Orifice at the front desk. This goes for lab instructors and graduate students as well.

For those of you that are extremely ambitious, there is a record of the past purchases made by WEEF. Feel free to check the history and make sure that labs you use are giving YOU, the students that are contributing to your own education, the credit that you deserve.

UW ENGINEERING SOCIETY'S

# Midnight in Paris

SEMI FORMAL

Friday, November 14th, 2008

South Campus Hall, Festival Room

6:30pm - 1:00am



# ENGINEERING SOCIETY EXECUTIVE REPORTS

## Presidential Report



**TYLER GALE**  
PRESIDENT

Here's hoping everyone had a great mid-term season. I've got a few noteworthy items for your reading pleasure.

### Middle of Term Pub Night

Once every seven years the inconceivable happens... MOT and Halloween coincide! And it just so happens that this year is one of those years. We're mixing things up a little bit for MOT this time around to make sure that everyone gets their piece of the pie. POETS will be open, serving, and hosting a visit from our friend The Tool between the hours of 7 and 9:30pm. Buses will then be leaving for Cambridge (From the DWE parking lot) to join the Architecture Halloween party. For those of you who haven't heard, architecture has been throwing this Halloween party for years and it has gained quite a reputation for being epic. Buses will be returning to campus late in the evening, but if you're concerned about bus timing, there are regular GRT buses which run to Cambridge as well. Be sure to sport your costume!

## VPED Report



**JEFFREY LIPNICKY**  
VP EDUCATION

It has been a while. Have you missed me? I have missed you. I've been lonely. Hopefully now that midterms are over with, everyone can come back out and show me some love. Woohoo!

Speaking of midterms: why not submit them to the Exam Bank? We are in the process of making some major updates to the bank, and the more exams we get, the merrier. So submit those exams (with prof solutions if you have them) for others to benefit from!

On the PDEng front, there are a few items of information for you all. First, I will be presenting some statistics at an upcoming EngSoc meeting on the student performance in the various courses over the past few years. Also, there has been an issue on QUEST where PDENG courses have been removed from a student's transcript. If you check your QUEST and there you are missing a PDENG course, contact the PDEng Office or myself to correct the issue.

### Call for volunteers – UW Thank-You-A-Thon 2008

Every year the university orchestrates a huge phone party to thank all of the people who have made donations to contribute to the school's success over the past year. It's happening November 8th from 11:30am to 5pm, and the call has gone out for engineering students to help out. I volunteered last year and it was pretty cool to be having conversations with a bunch of successful alumni. If you're interested please contact Robin Jardin, the student relations office in the dean's office (rjardin@engmail.uwaterloo.ca). Lunch and refreshments will be provided throughout the day, and if you can only help out for part of the day that works too.

### Find Out More

The best way to hear about what's been happening and what's up and coming with the engineering society is to join us at the council meetings:

**Council meeting 4: Oct. 29th 2008**

**Council meeting 5: Nov. 12th 2008**

They always happen Wednesday evenings, at 5:30pm, in CPH 3385. Dinner is always provided, and they are generally a good balance of information, hilarity and good times.

Now onto the independent review: there is no change from my last report. So, as promised, I shall be delivering a letter to the Deans outlining the students' displeasure with the inaction of the Faculty on this issue. This review has taken significantly longer than the initial timeline presented to the students, and an explanation from the Dean is required on this issue. I shall be pressing this issue with the Deans Office and I will be reporting back to the students on any developments.

Lastly, the issue of counselling services. Over the past while, this project has taken the back burner in place of the EngSoc elections, my academics, and my mental health. However, you should all have received the petition forms by this point and hopefully already had your class fill them out. I will be preparing my submission to the Dean in the very near future and when it is ready, I will solicit your input on the topic. If you have any ideas on how we can improve the support available to students, please send them my way.

In other news: come out to TalEng. I hear that some funny is going to be there. It might even include unicorns. You will have to come to find out.

## VPI Report



**SARAH SCHARF**  
VP INTERNAL

Hey everybody! Remember Engineering Society? They run events and activities to help students relax and unwind? Well, we're back! We gave you some time off from craziness to focus on studying for midterms, but now that those are in the past, the events will be coming your way once again! We have a ton of great events coming up, so make sure you make it out to as many as you can. Engineering Society Council Meeting #4 is tonight at 5:30 pm in CPH3385. Come out and learn about what's going on in Engineering in the last weeks of term, and enjoy some free dinner! In case you can't make it to the meeting tonight, here's the 411 on the up and coming activities around EngSoc.

Thursday, October 30, 2008 is Enginuity #3! Details will follow in the form of posters from Tim Bandura, but I will let you in on a secret about this Enginuity. There will be candy!

Friday, October 31, 2008 is Halloween! My super awesome Halloween committee (Tim Bandura, Nicole Copeman and Adriana Cameron) has been working hard planning some great events for you to enjoy to get into the Halloween spirit. There is going to be a pumpkin carving contest, a pie eating event, a 2012 Year Spirit costume contest, and a Halloween MOT. Come out

and enjoy the fun!

Tuesday November 4th is TalEng. This event is where engineering students show off their non-engineering talents to entertain their friends. TalEng will be happening at Bomber this term, and it is an all ages event. Along with the priceless entertainment, there will be free food. Your executive team will be putting on an extra special surprise performance at this fall's TalEng, so you should do your best to make it there. If you have a talent that you want to show off, the signup sheet is up on the Orifice door.

Our spectacular Midnight In Paris Engineering Semi Formal is also coming up soon. This magical night will be on Friday, November 14th, and tickets are now on sale! For more information on this event, please see the article in this issue of the IW about this term's Semi Formal.

My Athletics Directors are ramping things up for November as well. They will be hosting a cricket tournament (November 8th), a dodgeball tournament (November 15th), and more!

I think that that is a ton of great events coming up, so I won't overwhelm you with more. Posters advertising each of these events will be up soon if they are not already. As always, if you have comments, questions or concerns, or if you just want to chat, send me an email, or come and visit me in the orifice! I hope everyone is having fun so far, and there is tons more fun to be had before this term ends. Don't miss out!

## VPX Report



**DAVE HALFORD**  
VP EXTERNAL

Hello A-soc,

I hope that everyone's midterms went well, I know that I'm happy that what will hopefully be my last "Hell Week" ever is finally over. I only have a few points to mention this week.

1. The month of November will officially be known as "Movember". That's right! During the month of November Eng Soc will be participating in a charity event to raise funds for the Prostate Cancer Research Fund of Canada. Participants will start clean shaven on November 1st and will grow moustaches throughout the month in order to "change the face of men's health". Pledge forms are available in the orifice and if \$5000 is raised before the First Eng Soc meeting in November I will grow the sketchy stache pictured above. In the past Eng Soc has raised sums around \$35000 during similar initiatives so I hope that we

can raise large sums again.

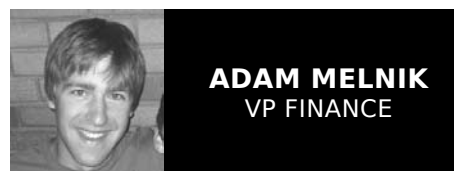
2. Applications for the National Conference on Women in Engineering have been emailed out over the Eng Soc mailing list. This conference will be held at the University of Western Ontario on Nov. 22-23. Email me for more information.

3. The Canadian Federation of Engineering Students (CFES) is looking for volunteers for many of their initiatives, the most notable being volunteers to help organize the Canadian Engineering Leadership Forum Summit to me held in Montreal during May of next year as well as volunteers to help organize the International Engineering Competition which will be a joint venture between CFES, BEST, and Bonding (both are European Student Technology bodies). More information and other volunteer opportunities can be found at <http://www.cfes.ca/ebulletin/Oct-21-2008>.

That's all that I have for this week. Good luck to those running in the Eng Soc election.

Cheers,  
Dave

## VPF Report



**ADAM MELNIK**  
VP FINANCE

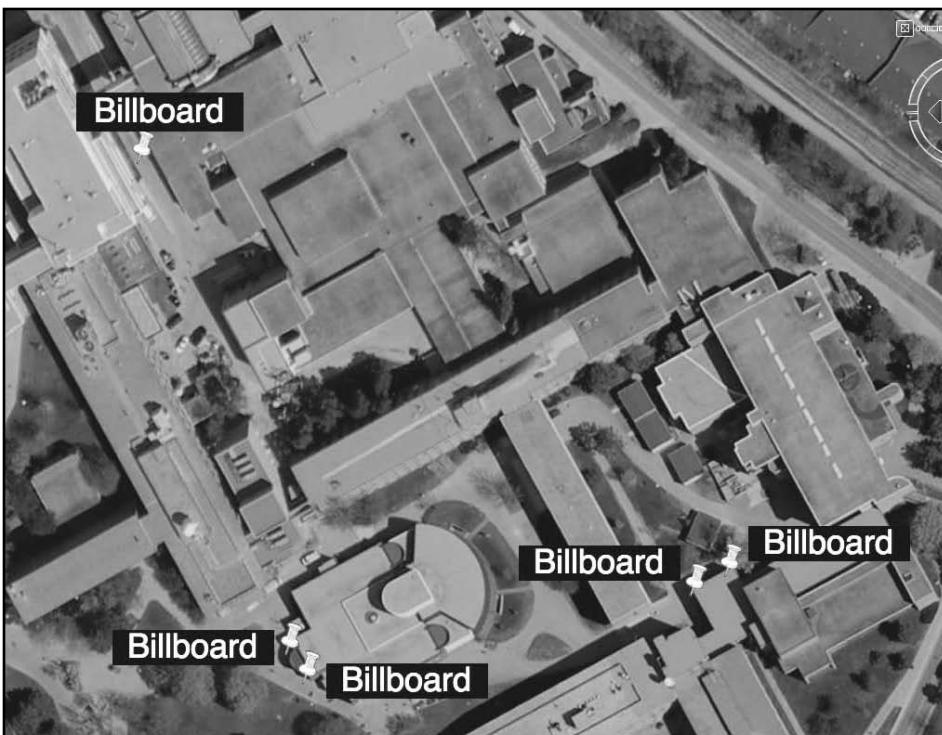
Thank you to everyone who submitted Donations Proposals. It was great to be able to offer \$2500 in donations this term. I'm sure the funds will be put to use well!

One initiative the Engineering Society is working on is the installation of five electronic billboards outdoors on engineering buildings. The billboards will

be similar to the "Event-A-Tron" in the CPH Foyer. Below is a map of campus indicating the proposed locations. Two billboards will face opposite directions on the DWE rounded stick-out, two on the RCH rounded stick-out, and one in the CEIT/E3 throughway. See the diagram to the left for more information.

I would like to hear your opinions on this placement strategy. Please feel free to contact me at [asco\\_vpf@engmail.uwaterloo.ca](mailto:asco_vpf@engmail.uwaterloo.ca) to give your input!

White and red 0.6L SIGG bottles are now available in Novelties along with Waterloo Engineering scarves!



Potential electronic billboard installation sites.

ENGINEERING SOCIETY 'A'

# ELECTION

& REFERENDUM

FALL 2008

Referendum Details on back cover of insert

## The Candidates

see inside for complete platform details



### Sarah Scharf

President

2B Electrical Engineering



### Anish Bhutani

Vice President, Education

2A Chemical Engineering



### Jessica Friesen

Vice President, Education

2B Geological Engineering



### David Liu

Vice President, Education

2B Mechatronics Engineering



### David Morris

Vice President, Education

2B Electrical Engineering



### Mike McCauley

Vice President, External

2B Mechatronics Engineering



### Tim Bandura

Vice President, Internal

2A Mechanical Engineering



### Eric Cousineau

Vice President, Finance

2A Electrical Engineering



### Paul Fugere

Vice President, Finance

2B Computer Engineering



### Jay Shah

WEEF Director

2B Mechatronics Engineering

ALL CANDIDATES FORUM



Thursday October 30th @ 11:30 AM

Bring your questions! Bring your friends! It's the perfect lunch date!

CPH Foyer

# President



## Sarah Scharf

*2B Electrical Engineering*

- I would like to maximize the amount of engineering student involvement in the KW community through charity and volunteerism.
- I will work to maintain and grow our strong, progressive relationship with the Faculty of Engineering.
- I would like to encourage friendship with other faculties' students and their societies.
- I would like to collaborate with other organizations on campus to bring successful entrepreneurs, politicians, researchers, and general industry experts to give seminars at our school.
- Ultimately, my goal will be to represent the interests of every single member of the Engineering Society as much as possible. In part this includes ensuring that all of your elected Engineering Society leaders are held accountable to do their best, and to facilitate continuity with the outgoing and future executives.

# Vice President, Education



## Anish Bhutani

*2A Chemical Engineering*

- I want to work with PDEng to continue making improvements to better the image of PDEng for prospective students and ease the workload for current co-op students whilst the independent review progresses.
- I want to work with CECS to help all engineering students improve their resumes – getting upper year students involved and starting a resume bank – and raise awareness of opportunities from the university to improve interview skills.
- I want to promote and improve EngSoc services, such as the Exam Bank, and increase awareness of services offered by the Faculty of Engineering and the university that have been paid for but not used by students.
- As an academic representative since my 1A term, I want to work with other academic reps to help promote services offered at the university, as well as the EngSoc Exam Bank and help them find more ways to get involved with their class
- Accountability; I want to be around to hear YOUR concerns, as there are numerous problems in classrooms and the university that I am still not aware of.



## Jessica Friesen

*2B Geological Engineering*

- PDEng - I intend to continue Jeff's work with the PDEng independent review so that PDEng is more useful for students while on co-op.
- Counselling Services - I believe that getting more counselors and reducing wait times in Engineering Counselling should be on the forefront of my duties. I also would like to see more advertisement for stress management, study and time management workshops offered by both Engineering and University of Waterloo counselling.
- Debt Load Surveys - I would like to see the return rate of debt load surveys increase to 50% from 15% (Winter 2008 return rate) by making personal class visits to emphasize their importance, as well as to answer any questions.
- Accountability - This is a very important aspect for any EngSoc executive. I intend to be accountable by being in the Orifice often, answering my emails promptly and being available for one on one or group meetings.



## David Liu

*2B Mechatronics Engineering*

- Education is something I'm passionate about. I will make sure your education needs are met in every aspect
- I have been WEEF TA for 2 coop terms and academic rep for 2011 Trons; so I see areas for improvement.
- Work together with the directors to ensure the course critiques, resume critiques, Exam Bank and all services are comprehensive and timely.
- Improve the implementation of PDEng by making the students opinions heard!
- Work in-cooperation with the Undergraduate Engineering Office to improve the extra help sessions for 1st year engineering courses.
- Stay on top of things and be around, if you need anything no matter how small, I will get back to you within 24 hours.



## David Morris

*2B Electrical Engineering*

- Show the same level of dedication, enthusiasm, and professionalism that I've shown in the past for the Iron Warrior.
- Keep a blog which includes updates, reporting each meeting, etc. in order to improve transparency and increase awareness.
- Try my best to represent students' opinions by emphasizing the class rep's role and by being aware of my own biases.
- Work with administration to try to minimize the impact of PDEng on your work terms, and improve its overall value as a course.
- Get feedback about midterms and finals, and communicate that feedback to professors in order to improve equality of testing.
- Communicate with past VP Education executives for ideas, and to ensure that any long-term projects or initiatives that they started continue to be implemented.

## Vice President, External

### Mike McCauley

*2B Mechatronics Engineering*

- Improve transparency and communication between Society members and external organizations.
- Encourage student involvement by increasing awareness of opportunities that are available outside of the Engineering Society at the provincial and national levels.
- Create an environment of approachability by spending time and being available in the Orifice.
- Expand the reach of the Student Teams by informing Society members about their successes at competitions and future plans.
- Lastly, my involvement in provincial and national student societies has allowed me to develop a network within the engineering student body that will allow me to represent Waterloo A-Soc with a strong voice.



## Vice President, Internal

### Tim Bandura

*2A Mechanical Engineering*

- I'm very enthusiastic and honest Plummer, and I'm willing to do my best as Vice President, Internal
- Increase Advertising for Events – I want to provide my directors with more aggressive advertising. This includes brighter posters, large banners, and megaphones.
- Assistance for Directors – I want to give my directors the support they need, when they need it. I want to be available to provide guidance and opinions and well as the ability to provide what my directors need to successfully run their events.
- Available for YOU – If you have ideas on how to improve current events or even create new ones, I want to help you develop your ideas.



## Vice President, Finance

### Eric Cousineau

*2A Electrical Engineering*

- Financial Director, Novelties Employee, Jazz Band Treasurer and Section Leader, Class Rep Since 1A (Relevant Experience)
- Strong time management skills from balancing school and extracurricular activities. As well as an enthusiastic self starting nature shown from my experience as Finance Director (Characteristics)
- Will improve the efficiency as well as the public awareness of Novelties through advertising campaigns and reorganization of policies; Add more hours for Novelties (eg. Fridays 4:30 – 6:30); New appealing and practical items (Mechanical Pencils, and Funny T-Shirts); Will run a large investigation asking students what they want from Novelties
- Will investigate the addition of 5 electronic billboards around the engineering buildings; Revamp the Event-A-Tron so that it's easier to use
- Will increase transparency of finance by publishing reports after meetings with breakdown of budget



### Paul Fugere

*2B Computer Engineering*

- Having held the directorships of Novelties and Finance Director it allows me to know what is to be expected of both me and my directors
- I am currently working with B-Soc VP Finance, Scott Rankin, and Mary to get EngSoc Hip Flasks
- I want to make Novelties a more pleasant experience by making items better displayed and cleaning up the clutter
- I will be accountable and available to everyone and anyone
- I will continue maintaining the fiscal responsibility of my predecessors while ensuring that directors get what financial support they need



## WEEF Director

### Jay Shah

*2B Mechatronics Engineering*

- Digitalize WEEF Records, and increase ease of access to funding information
- Acquire/Deploy a large digital (real-time) counter to proudly display the fund's principle, and other awesome stats
- Continue and promote the "WEEF is Good" campaign.
- Acquire and build on the awesome WEEF branded apparel. (More T-Shirts, Patches, Bandanas etc!)
- Increase awareness about WEEF and its importance in UW Engineering Community



# The Referendum

*Do you agree that the Engineering Society Fee should be raised to \$16 in Summer 2010?*

## Yes or No

At Joint Council this past July, a motion was passed that called for the above question to be posed as a referendum for all Engineering Society Members. Since there is an election this term, the referendum will coincide with these proceedings. The process of the referendum is really quite simple: answer Yes or No to the question. Since individuals only volunteered to head the "Yes" Campaign, and it would be unfair to only have one side of the issue represented, there will be no campaigning on this issue. For more information on the reasons behind this motion, please consult the Joint Council meeting minutes on the EngSoc website. Also, you can contact the Chief Returning Officer (Jeffrey Lipnicky, [jmlipnic@engmail.uwaterloo.ca](mailto:jmlipnic@engmail.uwaterloo.ca)) with any questions you might have. Please note that the CRO will only answer questions related to the procedure and facts; he will not comment on either side of the issue.

Here are the answers to a few common questions:

**Do both societies vote on this?** Yes. Since we are the first on-stream term, we are the first to vote on the question. However, if the question fails (i.e. the majority of responses indicate "No") then there will not be a referendum on B-Soc in the winter.

**What is the motivation behind this fee increase?** It has been argued that the EngSoc fee has not increased since 2003 and should be raised in order to keep up with inflation and allow the Society to run more (and better) events.

**How do I vote?** Voting will be occurring online. Check your email (as registered in QUEST) for more information on November 1st. The voting will open on November 1st and close at 4:30 PM on November 4th. If you don't get an email, please contact the CRO.

# TALENG

The Termly Engineering  
Talent Show

@ the Bomber

**Tuesday, November 4th**  
**7:30 PM**

*Election results will be announced live!*

## How the Election Works

New this term, the Engineering Society election and referendum will be taking place online! The switch from paper ballots will make things easier for the CRO, the candidates, and the Engineering Society. Also, the process will be easier and has the potential to increase voter turnout. With this new system, each Engineering Society member will receive an email with instructions on how to cast their votes in the election. The email will be sent during the voting period, so it will be as simple as clicking the link, casting your vote, and continuing on with their lives. Quick and painless! The way that voting should be!

Since this is the first time we are trying to do the election online, there might be some unexpected circumstances, however, we will make sure that they do not affect the integrity of the process.

The candidate that receives the most votes will be declared the winner. In the event of a tie, the CRO's vote (which has been cast previously and is contained in a sealed envelope) shall decide the winner. In the event that the CRO's vote does not break the tie (i.e. if there are more than 2 candidates in contention), then the race shall be re-run. In all other circumstances, the CRO's ballots shall be destroyed.

For positions with only one candidate running (in this election, they are President; Vice President, External; Vice President, Internal, and; WEEF Director), they shall be acclaimed to the position pending a 2/3 majority vote of the Engineering Society council at the October 29th meeting (pending quorum).

If you do not receive an email from the CRO by Monday, November 3rd, please contact him in order to resolve the situation. Please note that the email will be sent to the email address you have registered in QUEST.

If at any time, you have any questions or concerns about the election, please contact the Chief Returning Officer (Jeffrey Lipnicky, [jmlipnic@engmail.uwaterloo.ca](mailto:jmlipnic@engmail.uwaterloo.ca)).

Engineering Society '09  
**Election and Referendum**

**NOW ONLINE**

**NEWS!!!**

**Check your email as listed on QUEST**  
**November 1st - November 4th at 4:30 PM**

**WOW!!!**

# The World of ESSCO

## Hot Knowledge, Fresh Out of the Oven



**SPENCER MCEWAN**  
ESSCO  
VP COMMUNICATIONS

The fall term is well underway, and we over at the Engineering Student Societies' Council of Ontario (ESSCO) have been keeping ourselves very busy! We trust that all of you have been working diligently and also partying hard. As a quick introduction, my name is Spencer McEwan, and I am the Vice President Communications for ESSCO for the 2008-2009 year. I am in third year at the University of Waterloo 'B', and I am studying electrical engineering. Let's get caught up to speed on what ESSCO has been working on. Watch your step, because I am about to drop some knowledge.

Firstly, we would like to formally announce Stephen Lake as our new Vice President Services. Stephen is a student at the University of Waterloo 'B', and was elected in late September. He has some great initiatives that he is planning, including the idea of producing a television commercial to promote engineering as a profession. The goal is to have it aired across Ontario, and stir up some interest from high school students. If anybody is interested in working with Stephen on a video that could potentially touch millions of people, drop him a line at [vpervices@essco.ca](mailto:vpervices@essco.ca).

ESSCO has actively been in contact with Professional Engineers Ontario (PEO) throughout the past few months. From November 7th to November 9th, ESSCO and PEO are hosting the Professional Engineers Ontario Student Conference (PEO-SC) at the University of Windsor. The theme of the conference is focused on public policy and leadership. Every day, the Ontario government addresses issues affecting the engineering profession through the development of public policy. But, what is public policy and how is it influenced and implemented? These ques-

tions form the basis of the conference, and it is sure to open your mind about how professional engineers shape the world around you. If you are interested in attending, contact your Vice President External, and they will fill you in on all the details. Plus, you get to meet contacts in government as well as hang out with the ESSCO Executive and engineering students from all across the province!

After a month of sorting through applications, we are happy to announce the appointment of three students to Directorship positions! Rebecca Gatto from Lakehead University is our Women in Engineering Director, Sheila Sister from Queen's University is our National Engineering Month Director, and Deanna BURGART from Lakehead University is our New Initiative Director. We would like to congratulate everyone on their new positions, and are looking forward to the great work throughout the remainder of their terms. There are still directorship positions to be filled, so if you are interested in working with ESSCO, head over to [www.essco.ca](http://www.essco.ca) and check out the opportunities available!

Finally, Alix Bertrand (our ESSCO President) and I will be making a presentation at the PEO Chapter Leader's Conference in November. The PEO is composed of many different districts spanning across the province. Once a year, these chapters meet and discuss issues of common interest. Alix and I will be discussing student involvement in the Chapters, and ideas for initiatives that would be worthwhile for both the PEO members and engineering students. If you would like more information about the PEO Chapters, send me an email at [vpcomm@essco.ca](mailto:vpcomm@essco.ca).

There are other initiatives that we are pursuing, but we can't fit them all into this article. If you want any more information about who we are, what initiatives are underway, and how you can help us, head over to [www.essco.ca](http://www.essco.ca) or send me an email at [vpcomm@essco.ca](mailto:vpcomm@essco.ca). Until next time, ESSCO is BESSCO!



# Things That They Don't Teach You

## Finding Greatness in Unexpected Places



**JON RADICE**  
2B CHEMICAL

My lab group is a little bit unique, but I guess you wouldn't notice it by just glancing from afar. And I guess that if you look at it closely, it doesn't make too much of a difference. Our three man squad is comprised of the largest ranking spread possible. To clarify; our group is comprised of the person with the best marks in the class, and the person with the lowest marks of the previous term (of course, I'm actually placed right in the middle of ranking). Many people would cringe at this; the prospect of having someone who can barely keep up with lectures in their group

would send some running for the hills. This one person could be holding back the other two (reasonably) competent partners in order to bring up his own average to sustain a passing grade. A recipe for disaster.

Not in the slightest.

The funny thing is, thanks to him, our group always finishes ahead of time, we always have a clear idea of what it is we're doing, and we know the point of every part of the experiment. The person that was ranked last just "gets" how to handle hands-on situations. Whenever the group has a problem or a question, normally he can solve it before the TA even understands the question. It's gotten to the point where he helps the other groups when they're having problems and more than once we had the highest ranked one in our group say that

# CECS November Events

## CO-OPERATIVE EDUCATION AND CAREER SERVICES UNIVERSITY OF WATERLOO

### Monday, November 3

Writing CVs and Cover Letters – Are you interested in a career in academia or research? This workshop will show you how to prepare an effective curriculum vitae and cover letter when applying for positions in these areas.

Time: 12:00 – 1:30

Location: TC 2218

Registration: Go to the CTE website: ([http://www.cte.uwaterloo.ca/events\\_registration/CUT\\_events.html](http://www.cte.uwaterloo.ca/events_registration/CUT_events.html))

Work Search Strategies for International Students – International students will learn the best approaches to search for work (including visa requirements) while studying at UW as well as after graduating. Note: First hour of the session covers general job search strategies; last half hour details visa requirements.

Time: 4:30 – 6:00

Location: TC 1208

### Tuesday, November 4

Exploring Your Personality Type, Part I  
Two-session workshop: attend the first session to learn about your personality type and preferences for learning and decision making. In the second session, discover how to apply your MBTI type to explore potential career areas. Once you have registered, you will be given information on how to complete the Myers-Briggs Type Indicator (MBTI) online.

Cost: \$10.00 materials charge payable to Career Services prior to first session

Time: 10:30 – 12:00

Location: TC 1112

Public Service of Canada Career Expo  
Learn about the exciting career opportunities that await you. Talk directly to federal Public Service hiring managers who have jobs to offer.

Time: 1:30 – 6:30

Location: Federation Hall

Second Session: Tuesday, November 11, 10:30 – 12:30, TC 1112

Are You Thinking about Dental School?  
Geoff Vokes from the Kaplan Centre in Toronto will review the key factors to be aware of when applying to Canadian dental schools (e.g., DAT scores, GPA) and will discuss the interview process.

Time: 4:30 – 6:00

Location: TC 1208

### Thursday, November 6

Business Etiquette and Professionalism

Proper etiquette is crucial to a successful job search – and to your career. This workshop will cover dining etiquette as well as appropriate behaviour in interviews, employer receptions and other networking activities.

Time: 3:30 – 4:30

Location: TC 1208

### Monday, November 10

Working Effectively in Another Culture  
Explore the impact of culture and intercultural communication on the work environment and find strategies for success in a different work culture. This participatory workshop is geared to students who will go abroad to work and international students who want to work in Canada.

Time: 3:00 – 4:30

Location: TC 1208

### Tuesday, November 11

Exploring Your Personality Type, Part II  
Two-session workshop: attend the first session to learn about your personality type and preferences for learning and decision making. In the second session, discover how to apply your MBTI type to explore potential career areas. Once you have registered, you will be given information on how to complete the Myers-Briggs Type Indicator (MBTI) online.

Cost: \$10.00 materials cost payable to Career Services prior to first session

Time: 10:30 – 12:30

Location: TC 1112

First Session: Tuesday, November 4, 10:30 – 12:00, TC 1112

Interview Skills: Preparing for Questions – Learn how to improve your performance in the job interview by viewing and discussing taped excerpts of actual interviews.

Time: 3:30 – 5:00

Location: TC 1208

### Wednesday, November 12

Successfully Negotiating Job Offers  
Increase the odds of getting what you want when negotiating salary and other details related to the job offer. Note: This workshop is geared towards graduating students.

Time: 4:30 – 5:30

Location: TC 1208

### Thursday, November 13

Interview Skills: Selling Your Skills  
In order to receive that job offer, you must prove your skills in the interview. Here is your opportunity to practise and improve.

Time: 3:30 – 5:30

Location: TC 1208

a much bigger debate, one filled with healthy amount of pros and cons, better discussed in a social justice class than in an engineering opinion piece. All I'm saying is that just because someone might not be able to achieve amazing grades doesn't make them a bad engineer, and the best engineers aren't the ones that get the highest marks; and you just have to have a conversation with some of your TAs to know that marks do not equal competency. The academic world has not designed a program to make and evaluate a truly great engineer, and there will always be people, on both ends of the spectrum, that slip through as a result. Until we've perfected our academic system, something I feel is unattainable, you'll have to keep your eyes on your peers - you might find greatness in unexpected places.

## POINT VS. COUNTERPOINT

POINT

## Should the Engineering Society Fee Be Raised to \$16 in Summer 2010?

COUNTERPOINT

MICHELLE CROAL  
2B CHEMICAL

Each student enrolled in Engineering at the University of Waterloo currently pays \$14 each school term as a fee to the Engineering Society. Next week, November 1-4th, A-soc students will have a chance to vote in a referendum concerning a fee increase to \$16 per student per school term, starting in Spring 2010. What you may not be aware of, is that this fee is already going to increase to \$14.25 as of Spring 2009. This motion was put forward by B-soc during last summer's Joint Council Meeting, and was approved because of the sound reason behind it: inflation.

Consider that approximately half of EngSoc's income is directed to directorships and the remaining amount must be used to cover fixed costs such as payroll,

operating costs and supplies. With the current economic situations, it is likely that we can expect an increase in fixed business operating costs everywhere, especially as the ever rising costs of fuel and energy cause other costs to increase. By proposing a fee increase two years in advance, it gives the Engineering Society a better likelihood of being able to meet fixed costs with enough funds remaining to provide the services you enjoy each term.

Additionally, increasing the EngSoc fee should result in more budgeting allocated for directorships. Directors are responsible for planning and hosting many of the engineering events that occur each term. Engplay, Genius Bowl and semi-formal to name a few, are all events that require and receive funding from the Engineering Society. With more funding, existing directorships could potentially do more, and additional ones could be brought to life. This means more stress-busting fun events and increased leadership and volunteer opportunities with the society. The fee increase will in general allow the EngSoc to provide more for the engineering students at UW, more in terms of services, facilities and events.

In March 2007, MathSoc approved a \$2 fee increase. Understandably, the fee only increased to \$12.50, so they did not have a comparative income to what EngSoc does. MathSoc utilized a breakdown of where the fee from each student goes to demonstrate a

need for additional funds. Similar to Math Endowment Fund, WEEF has a commitment improve undergraduate engineering education. This means that WEEF funds cannot be used for projects that solely improve engineering student life and services around campus, such as renovations to POETS. Perhaps the proposed EngSoc fee increase could be utilized in such a manner, after providing directorship and other service funding.

One such example of how additional funding is the Iron Warrior. [Editor's note: *The Iron Warrior does not officially endorse either side of the referendum. The writer has chosen the IW merely for the purposes of example. Point vs. Counterpoint is meant to provide a balanced variety of perspectives on a particular subject.*] While the Iron Warrior is the official newspaper of

the Engineering Society, it is totally self-sufficient. Funding for printing comes from entirely from advertising and it would only receive money directly from the

Society in the event of a deficit. When you compare this to the fact that mathNEWS gets \$3 per student per term (deducted from the total \$12.50), and what the Iron Warrior could do with even a \$1 allocation (approximately \$2500 a term on average), raises some interesting possibilities. The IW could print in full colour every issue and devote more of our pages to content than advertising! However, it is important to note that the Iron Warrior is one of the few EngSoc directorships that is completely self-sufficient; it supports itself because it can, not because it has to. This allows your fee to be better allocated to other directorships and services.

The proposed increase will be coming into effect as soon as it can, one year after the fee hike to \$14.25. Unfortunately that it means half the students currently on campus will actually be affected by this change, while those arriving on campus next fall will have no say in the matter. However, the benefit of having this referendum so early is that if it is not passed by both societies this year, it can still be improved as required and presented again as economic and education issues arise.

With rising tuition and costs of living, consider carefully what your EngSoc is doing for you and whether you want more out of the services they provide. Don't forget that if you plan on not using POETS, the Orifice or the CnD, or attending any engineering events at all, your EngSoc fee is still refundable, whether \$14 or \$16 a term.

TREVOR JENKINS  
2A MANAGEMENT

A proposal was put forward by B-Soc and passed by Joint Council this past spring that will see all EngSoc members vote in an upcoming referendum on whether to increase the membership fees up to \$16 starting in summer 2010. Both societies would need to pass it first before results would be binding. Don't get me wrong: while EngSoc, through the exec, directors, volunteers and Mary, provides an invaluable service to its members, an increase in fees is not necessary at this time.

For those that don't know, the budget is divided into two parts. Just over half of the money collected through fees and Orifice Sales, goes towards directorship and exec expenses while the rest is used for paying the society's fixed costs such as payroll, bank charges, telephone service, and general supplies. To see current and past budgets, go to [engsoc.uwaterloo.ca/www/society.php](http://engsoc.uwaterloo.ca/www/society.php).

The main problem with the proposal is that the funds aren't being allocated to one specific area. There is no word on whether they will go towards increasing directorship budgets, capital expenses, or combating rising fixed costs. When MathSoc members approved a \$2 increase in March 2007, they knew it was going towards a Capital Improvements Fund. This fund would allow for improvements to be made to student space in MC, including the Comfy Lounge, CnD and student club offices. By knowing exactly where the money is being allocated, members were confident about how the increased funds would be used. Until EngSoc members know exactly where the money is going, they should be hesitant about being charged for it.

Directorships events are traditionally where we see our fees in action the most. While directors usually only request the funds they believe they'll use during the term, typically not all the funds directors are allocated are spent. From data available from past budgets on the EngSoc website, only between 60-80% of requested money is actually used, with EngSoc holding onto the unspent money. While creating the budget often means that some director's funding proposals have to be rejected in order to prevent the unlikely possibility of a deficit, it's evident that the current funding is suffi-

cient for the time being. This term saw the initial budget staying in the black before the additional funds were allocated to additional directorships.

The current \$14 fee also remains one of the highest on campus. MathSoc charges \$12.50, Arts Student Union \$7, AHS \$3, E(S) \$10, and science at \$9. The only society that charges a higher membership is Independent Studies with a \$25/term. While we're the envy of other societies for our resources like POETS, The Orifice, and CnD, we're still students facing rising tuition costs, unruly textbook fees from publishing monopolies, and school requirements. While all of those are necessities, they add to the stress of paying rent, buying food, and maintaining a healthy recreational nightlife.

The way the increase is set to take effect is not considerate of who would actually be affected. With the proposal coming into effect in summer 2010, it means that the 2009 and 2010 graduating classes will be voting on an issue that won't have any impact on them. While it is inevitable that a graduating class would end up voting on this issue, having two voting fails to take into account the actual feelings of the years directly affected. It would have been in better taste to have had this referendum during the next academic year so that the results would better reflect what students want.

Overall, students should be apprehensive about supporting the proposed increase. While two dollars isn't a lot of money and would only be a \$16 increase overall over five years, the fact that the current \$14 fee is supporting all aspects of EngSoc should show students that the increase is not necessary, beyond the already approved 25 cent increase effective summer 2009. Regardless of your personal views, I strongly urge everyone to vote this upcoming weekend in order to have your opinion heard.

## Editor's Note:

*Point Vs. Counterpoint* is a feature meant to stimulate discussion on thought-provoking topics. The views and opinions expressed here do not necessarily reflect those of the authors, *The Iron Warrior*, or the Engineering Society.

POETS

## MOVIE SCHEDULE

SHOWINGS BEGIN AT NOON

<b>Wednesday</b> Oct. 29 Spaceballs Almost Famous Oh Brother, Where Art Thou? Walk the Line	<b>Thursday</b> Oct. 30 28 Days Later 28 Weeks Later Shaun of the Dead	<b>Friday</b> Oct. 31 <b>Halloween</b> Saw I Saw II Saw III	<b>Monday</b> Nov. 3 Enemy of the State A Night at the Roxbury She's the Man	<b>Tuesday</b> Nov. 4 2001: A Space Odyssey Clockwork Orange Dr. Strangelove
<b>Wednesday</b> Nov. 5 Idle Hand Sin City Never Been Kissed	<b>Thursday</b> Nov. 6 King Kong Hellboy Hellboy 2	<b>Friday</b> Nov. 7 Casino Royale Goldfinger GoldenEye	<b>Monday</b> Nov. 10 Apocalypse Now Robin Hood: Men in Tights Snatch	<b>Tuesday</b> Nov. 11 <b>Remembrance Day</b> Schindler's List Saving Private Ryan The Devil's Arithmetic

## Stress and Strain But Not the Mechanical Kind...



**TIM BANDURA**  
2A MECHANICAL

Engineering is not an easy program. It's full of fun and interesting times. For me and many other students, last week was what is affectionately known as "Hell Week". It's a "friendly" week of straight studying and midterms. Add that to a pile of other responsibilities, and it's easy to see how one can get stressed out.

Stress is our reaction to finding ourselves in a situation that has more variety than we have responses. This could be something catastrophic, such as failing a midterm, or just simply day-to-day events adding up and overwhelming us. We proceed to then go through whatever reactions or self-destructions which are unique for each individual. For obvious reasons, it is best to avoid such reactions.

There are a vast number of possibilities for dealing with stress. However, you must first recognize the signs of being "stressed out". Anytime you start to feel stress starting to build up, you have to take some time. You need to look at your emotions and behaviour. I know this may be hard for

some of you. Secondly, you need to find an activity that can release your stress and tension. This is different for everyone.

Some suggested activities from myself and other stressed-out Plummers:

- Discuss your stress levels with friends. Telling them alerts them to the fact that you are not at your best. Friends will try to help you out.

- Listening and singing to Boston, while taking a shower with lavender scented soap

- Playing a pick-up sport or performing another sort of physical exercise

- Eat cupcakes and bug or scare room-mates

- Watch your favourite episodes of your favourite television show

- Putting your hair into pigtails, and running singing down the street in your PJs

You may find that these do not work for you. If so, simply chose one of your favourite activities and use it to release your tensions as stress is something that you MUST deal with. Constantly running at a high level of stress can create health problems and lead to mental health issues as well. I'm quite sure that everyone wants to live a long life, and releasing stress is one of the best ways to do so.

## Under Construction

**LEAH SICZKAR**  
1A ENVIRONMENTAL

How fitting for building construction to occur on a university campus. Ground is slashed and pounded, creating gashes in the earth that releases plume after plume of dust into the air. It nearly clogs our airways. A new structure is to be erected in place of a simple, green field.

Why is this fitting? Our minds are being assaulted with backhoes of knowledge, our

fingers being strengthened with iron framework. Through meticulous labour, our beings will be moulded. And we'll become a great structure, never built before.

Our past is our foundation; built concrete and strong.

And come graduation, our old selves are gone.

## Haiku Time!

**MICHELLE CROAL**  
2B CHEMICAL

*Pink Soap:*

Ubiquitous pink  
Inescapable soapies  
Clean of the people

*Editing Fun:*

Awkward empty space  
Quick put a haiku in here!  
InDesign wants words.

## Facebook Security



**CHAD SEXINGTON**  
2.5N MANGINEERING

So you say you're a hard worker?

Welcome to my next column dear readers,

Let's get right down to it: As sure as Christmas is coming, so is that dreaded time for job mining! There, I said it. Many of you have already been down into the job mine looking for that attractive diamond in the rough. For the rest, your time will come. When you do find that perfect job, you want to look your best, act your best and generally impress your interviewers right? I mean, you definitely want that sexy \$35.00 an hour design consultant job instead of working in some professor's McLaboratory. But it isn't all about the interview anymore, and neither is this article.

In the good old days all you had to do to impress your interviewer was tidy up your resume, put on a nice suit, and show up to your interview as your confident, capable self. Not so in this day and age! You still need to do all that other stuff, but employers (and even landlords) are getting tech savvy and starting to look into your real life in other ways. What I'm talking about here is Facebook, or Bookface as I call it. More and more often these days, people are logging on to check out their new employees/potential hires/new tenants before they make their final decisions about who to choose. So what does that mean for you?

It means potentially not getting hired or even a place to live, that's what! When you sign up for Bookface you are signing up for a public-domain indexing service. This means that employers, landlords, and even your family can search for you and see anything you choose to share using that medium. Imagine you are a complete stranger browsing through your tagged photos on the Bookface. What would you think of yourself if you saw all of your current pictures? Would you see the images and label yourself as a slacker, a partier, or a sexual harassment lawsuit in disguise? Well your employers could be doing the same thing to you, right now! They might be looking at your pubcrawl, D.U.S.T.E.D., or birthday bash pictures and dubbing you an alcoholic not knowing that you are the most upstanding, hard working, talented young individual they will have ever met! This

goes double for you underage people (can you say, "proof of illegal activities?").

"How can I fix this?!" You exclaim.

As one of my favourite books suggests, don't panic. It's all there in the account settings of your Bookface profile.

To get secure, you first need to log on to your profile. Go up to the right hand side and click on "Settings>Account Privacy". Under the "Profile" link use the drop boxes to set all of your information and pictures to "Friends Only". This will stop employers from getting your address, seeing your photos, and finding out your favourite author, which could really hurt your chances of getting that sexy job. Under the "Search" tab, ensure that you are not being indexed by public search engines. This will stop employers from using Google to find you; try using it on yourself to see what comes up. Next, make sure that you are comfortable with the "Search Visibility" setting. Mine is set to friends of friends only. Your "News Feed and Wall" settings should also be chosen carefully. If you don't want comments you make to show up in everyone's news feed, deselect the appropriate boxes.

In the "Applications" tab select "Settings" so you can set which information about yourself is available to the Bookface applications. This includes photos, events you attend and your personal information. In addition, when you are uploading pictures, you can also edit which of your own personal photo albums are visible to whom. That means you can hide all those party pictures while still allowing your generous volunteer pictures to be seen by all.

Finally, people are not beneath creating fake identities to befriend you. I know for a fact that many police departments nowadays use Bookface under assumed identities to monitor illegal activity and check out suspects. Always make sure you know a person before you let them see your information. This will stop you from getting caught out by fake friends who are really your potential employers.

If you follow these simple security guidelines you should be well on your way to making sure you can keep your party self on the DL. Remember kids, don't share your bank account information with strangers, don't take candy from people you don't know, and most certainly don't get in a car with an odd looking man. Unless of course he has a puppy for sale.

Stay Sexy!

### Waterloo Cases in Design Engineering (WCDE)

WCDE is a group in the Faculty of Engineering that converts **work reports** into **Engineering Case Studies** for use in Engineering courses.

Work reports submitted electronically are worth **seventy-five P\*\*5 points!**

**cases.uwaterloo.ca**

#### Sample Case Studies

All first-year concept courses are using these cases:

Hydro Quebec

- Alternative Energy Sources

Engineers Without Borders

- Alternative Drinking Water

Other cases currently in use include:

- Foot Brace Design



# Basic Fix-Its

## Killer Midterms? Learn to Fix Your Grades!



**MICHELLE  
CROAL**  
2B CHEMICAL

What a smart move, Michelle, starting a column with content you're not entirely sure you have enough of to maintain for the entire term. Currently, I have nothing in my house that's broken, or at least, nothing that's broken enough for me to care about fixing until midterms and lab reports are done. I don't own a car so engine problems are out, and an "energy efficient" dryer that doesn't dry at all is a little beyond my scope. That said, I figured that I'd write something on "Basic Fix-its: Grades", especially considering that midterms are generally a wake-up call for many, especially frosh who may be unsure of what to expect the first time round, and even those upper students who take a couple weeks to get back into the swing of school terms. At the time of publication, I still haven't finished all my midterms, but maybe you've got some results back already. I realize that study tips are widely available, presented countless times, and largely ignored, but I figured that what the heck, quite a few of you may be feeling desperate and lost and in needs of some useful tips. Here are some basic things I've found helpful:

### Write it down!

If you didn't do so well on midterms be-

cause you've been missing assignments or quizzes, then purchase a large calendar. Paste it somewhere visible in your room and write all deadlines on it! A lot of people like to use agendas, which help with the day-to-day and on the move keeping track of things, but having something big and visible right above your desk really helps you remember what's going on and what's coming up. A four month calendar is ideal, as it (amazingly!) matches the length of a school term, so you can optimize long and short term planning. Colour coding by priority or topic also makes it easier to see at a glance whether your Item of Importance is a midterm, job interview or assignment deadline.

### Missing class:

Generally not a good idea, because catching up for lost time can lead to a lot more stress than you anticipated, however sometimes it can't be avoided (midterms, report deadlines, interviews). Keep track of missed classes with a written, visible list and be sure to get the notes from a friend (but don't be a mooch.

People don't like doing your work for you). Course outlines can be helpful too, in giving you a starting point for which chapter in the text you should read to catch up.

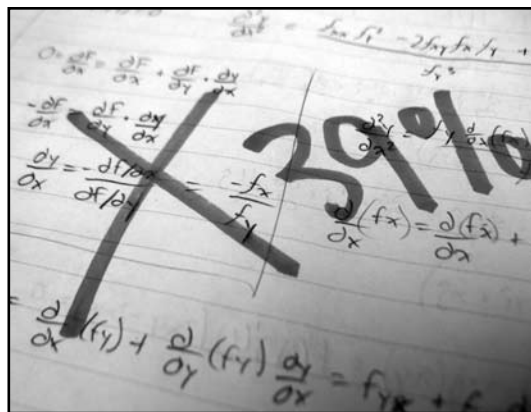
### Textbooks

Purchase them! If you haven't already done so, do it! They're pricy but useful, as you can find additional reference material and background to what was discussed in class, examples and solutions to problems that may be on your exam or assignments, as well as stories about some girl who took this textbook on her work term and how successful she is now (rolls eyes). Read them before class to get a

head start; read them after class to clarify concepts. And, if all else fails, textbooks are good for biceps and stacking into coffee tables.

### Focus!

Turn off your distractions, especially electronics. Music might help you study, but keep it at a background volume level so



Stuart Pearson

It happens to the best of us...

you study more than dance. Work in a well lit area, preferably at a nice ergonomic desk! (I have trouble filling both of these conditions unfortunately). Turn off MSN or other chat programs, unless you're working on a group project or asking for help. You'll be able to do your assignment more efficiently and quickly, and then be able to chat guilt-free afterwards.

# Fashion Tips: Underneath Counts Too!

## Under Where?



**BRYAN SACHDEVA**  
4N COMPUTER

**ERICA WAUGH**  
4N CIVIL

You wanted to talk about, so we're going to dive right into them. That's right! We'll be airing out your dirty underwear! Like foundation is the base for a good makeup job, err- let's put this in engineering terms-like a good operating system is to a program or a strong frame to a bridge (Erica, help me out here!), underwear is very important to your fashion and personal style. It's true; underwear needs to fulfill so many different purposes all at the same time. They really do deserve to take a bow right now. If you're in class right now, go ahead; stand-up, interrupt your professor and exclaim: "I heart underwear!" Yes, they need to be anatomically supportive and functional, but they also need to provide a good base for clothing to sit on, as well as fit into your outfit and your style. Our point: your 6-pack of generic brand undies from Wal-Mart just won't do. That's not to say that you can't buy your underwear from Wal-Mart, but, like most computer and engineering equipment, the expensive stuff really does work better.

Erica's interjection: I AM SICK OF SEEING "HANES" and "FRUIT OF THE LOOM" STICKING OUT OF YOUR PANTS!

Don't worry, if you're like JD O'Leary and are thinking to yourself, "I just wear underwear because I thought we just had to have something between our junk and our clothes," we'll explain. Underwear shopping is quite different for guys than gals. So let's get down and dirty, shall we?

### Bryan's POV:

Those of you that know me best will know that I love going underwear shopping, and that I can't stand the cheap stuff. Here's why: I like a good level of support for my boys, and I like to feel sexy. A good pair of boxer briefs is like a good dog: follows your every move and makes you feel

happy. First things first; your junk needs a lift.

Now, I know a lot of guys out there secretly think that having your reproductive organs hang loose is best for your body and is the more rugged and masculine thing to do. This couldn't be further from the truth. It's certainly true that underwear that is too constricting will damage your swimmers, but did you know that insufficient support can also lead to fewer viable swimmers? Your body can move your factories around to keep them at the optimal temperature, but if you don't help them out with a little bit of a nudge towards warmth, they can't do all of the work.

Here are some typical complaints about underwear that I've been privy to: They bunch up at my inner thigh, they don't stay put, they feel too tight, they make me sweaty, and the list goes on. If you've been wondering who honestly comes to see me to complain about their underwear problems, you'd be surprised: most guys in engineering are unhappy or simply don't know that they can get better underwear. A lot of these problems can be alleviated with a good pair of underwear. So what are your choices, and what's best?

The classic brief: I recommend this if you like a lot of support, if you really don't want any movement, or you are concerned about underwear lines showing. It's best to look for low-rise if you are very concerned about them showing. Typically choose the same size or at most, one smaller than your pant size.

The mid-length boxer brief or trunk: I recommend this for most guys. Your thighs get warm, so you don't generally want them covered, but having the elastic band around your leg rather than through the crotch allows for more room for your gonads. Choose them to be about the same size or smaller than your pant size.

The full-length boxer brief: These go until just a few inches above your knee. I

wear these, and for a specific reason. My thighs tend to rub together and chafe. So having the material cover my thighs like a glove provides something other than skin to rub together. If you have this problem, it is very important that you not wear boxers or buy underwear that is larger than your pant size. This is because the crotch on boxers is lower, and leaves room for your upper-inner thigh to chafe. Bigger underwear has the same problem.

The old-fashion boxer: Not recommended unless you are really uncomfortable with

any level of support. To be honest, switching from these will take about 2 to 3 uncomfortable weeks. Don't think this is all you can wear just because the first non-boxer pair you try on feels uncomfortable. Warm up to them a little.

And finally some general tips: Always buy cotton, nylon is synthetic and does not breathe. This is not healthy for your skin, especially skin that is moist (like your pubic region). Buy a cotton-lycra or stretch version instead, and choose a fitted size. Rather than go up a size to get the room you want, buy stretch underwear (typically 90% cotton 10% spandex). This will accomplish two things: It will allow your body to adjust, and allow you range of motion while keeping your underwear in place. Buy seam-free or seam-less underwear; this makes it very difficult to see the lines under your clothes. The down-side is that you'll have to give up a fly for this. My top picks would have to be the Jockey line of Go Stretch undergarments, or the Calvin Klein 365. You can get a 2 for 1 deal on this right now at the new Bay in Conestoga Mall.

Good luck boys- and the ones in your pants.

### Erica's turn:

Bryan and I have been writing articles together for some time now and our general process is one of us writes and then sends to the other to proof-read and add. So now I'm at the point where I have proof-read

If you have a favourite show to watch, take a break and watch it, but turn off the TV when the episode is finished. Disconnect your internet if you need to!

**Review during the term, not just at the end:**

Read over your notes at the end of the day, or at the very least at the end of the week. Look for additional sources that might give some extra insight into a certain topic or concept. In 2A I started writing weekly summary notes for each course, which is a high maintenance method of reviewing, but it's pretty golden for kick-starting studying during exam time. Spending about 20 minutes per subject per class should be enough.

**Go join stuff, go run around, get a job or go party:**

Despite what you may think, having less time helps you be more productive. Scratch that, everyone knows that the rate at which work is done is inversely proportional to the time left until the deadline. So what if you have less time, all the time? Being involved will force you to work around your other commitments and use your time more effectively (theoretically). Plus productive procrastination feels better than just being plain lazy.

Finally, remember that there's more to life than school. You're here for 5 years; make the most out of it. Call home, learn to cook, waste time with your roommates until 3am and pick up a new hobby. If you want more tips, check out Tim's article on stress and Chad Sexington's first year experience. Also, read Jon's article about things they don't teach you, because sometimes, that's more important than the numbers that are on your transcript.

and it's time to add. I'm in a pickle: what do I add to THAT?? We ladies have nothing to "lift", "hang loose", or "stow". I think I'm supposed to tell girls that granny panties, underwear lines, and hip-riders are no-nos. But you know that. Instead I'm going to open up a bit and tell you about me. Hello to my family, the Dean's office, EngSoc, and the world; welcome to my pants! My relationship with underwear has spanned decades and we have travelled the world together. A few things I've learned include: spend money, have fun with it, and don't flaunt it. We are classier than that. I must say that it is very attractive to catch a glimpse of a guy's boxers but very trashy to catch a glimpse of a girl's thong. Please ladies, for lack of a better term, keep it in your pants. Also, you will not regret spending a bit of cash on those "unmentionables". Some recommended brands include Gap Lingerie, Calvin Klein (that guy knows underwear,) and for a splurge, try Victoria's Secret. As there is no store near-by, you'll have to head online. They have a great website and an easy return policy. Give it a shot!

One of the problems I find girls are always running into is underwear lines. How do you avoid them? Well, there is the obvious answer of just not wearing any. If you are comfortable with this (which is totally fine) please do not pair it with low rise pants. Your bum-crack is not hot. There is also the obvious thong option, but what if neither of these agrees with you? Choose a bikini style panty made of thin cotton as you are more likely to get a smaller seam and thus less-visible panty lines. There is also a newer option: SPANX. Spanx is a line of women's underwear and panty-hose designed to make your bum look AMAZING and avoid panty lines. They are ideal for slinky dresses and hot nights out. I don't recommend them for everyday but if you find yourself with this problem often, invest in a pair and you will not regret it. Available at a specialty stores and (conveniently) Winners.

That's all I've got to say folks! All the best to you and your "goods"!

# Better Know A Beer

## Holsten Festbock



**RORY ARNOLD**  
4A MECHANICAL

If you talk to most 4th year students, they will all have a good Oktoberfest story to tell. I know a large portion of them (myself included) will tell you the drunkest they've ever been was at Oktoberfest. When you read this, Oktoberfest will be long gone. The Festhallens will return to banquet halls and hockey rinks for yet another year. Onkel Hans will go back into hibernation and my liver will be getting a well-deserved break (for a few hours at least).

I attended two Festhallens at the end of the week. One at Bingemans and one at the Aud. The Thursday night event was a great festival attended by a large portion of McMaster and U of T engineers and Guelph women. Friday night was more of an assault on the Oktoberfest traditions. I know the parties involved meant well and tried hard with decorations and food of German culture, but when the polka band was taken off the stage and replaced by popular music I felt more like I was in a nightclub than a Festhalle.

Both Festhallens served standard Canadian lagers as opposed to German beers. This is forgivable since they went through such an immense amount of the liquid gold that importing enough from Germany or having a microbrew make a large enough batch would be nearly impossible. I was not deterred however; I was going to drink at least one real Oktoberfest beer. So off to the LCBO I went.

I wandered slowly through the aisles

looking at all the available imports. Finally, I picked up a 500ml green can that stated what I had been looking for, Festbock, a beer brewed specially for this great festival at the end of the harvest. Holsten Festbock is a strong German lager from the Holsten brewery in Hamburg. Holsten was founded in 1879 and are known mostly for their pilsners. Although it is a German brewery, it is named after Holstein in lower Belgium. In 2004 it was purchased by Carlsberg. This is a popular German import to

Canada, as a number of their beers are made widely available to Canadian beer drinkers. The Festbock is a bock beer made for the autumn festival. A bock is a strong German la-

**Holsten Festbock is a strong German lager from the Holsten brewery in Hamburg.**

ger that is darker in colour with a malty flavour. The term bock comes from the German town Einbeck, where the style originated.

Festbock pours a dark reddish brown with a strong malty aroma with a hint of fruit and alcohol. It contains 7% alc./vol. A nice tan head will form and mostly disappear, but will stick to the glass for most of the time you enjoy the beer. The taste like most German beers, is fairly simple with the taste of roasted malts and no aftertaste. The beer comes in a can and should be poured into a beer mug or stein to release the sweet aromas.

Bocks are my favourite type of lager and I give this beer a score of 80/100. If you enjoy a sweeter, maltier taste this would be a great beer to try. The can is nicely decorated with a large Holsten logo of a knight riding his horse, holding a shield with a big "H" on it. An old German town celebrates with fireworks in the background.

# TalEng!

## Your Engineering Talent Show



Where: Bomber

When: Tuesday November 4

Starts at 7:30 PM

If you are interested in performing sign up on the Orifice door (CPH 1327) or e-mail [taleng.asoc@gmail.com](mailto:taleng.asoc@gmail.com)

## The Iron Chef: Tea Party Scones

**JACLYN SHARPE**  
4A MECHANICAL

### Ingredients:

3 cups all-purpose flour  
1/2 cup white sugar  
5 teaspoons baking powder  
1/2 teaspoon salt  
3/4 cup butter  
1 egg, beaten  
1 cup milk

Preheat oven to 400 degrees F (200 degrees C). In a large bowl mix dry ingredients and cut in butter. Mix the egg and milk separately and add to flour mixture gradually. You want enough liquid so that you can knead the dough, but not so much that it's sticky. Knead dough 8-10 times. On a cookie sheet pat the dough into a 1/2 thick round and cut into 8 wedges. Space out the wedges on the sheet and bake 15 minutes, until golden brown.

## Mixology 101: "Shaken, Not Stirred"

### The Art of Mixing Martinis



**AMANDA LEDUC**  
2A MANAGEMENT

One of the most recognizable drinks today is the martini. The tall stemmed glass with a distinctive triangular shaped silhouette in which martinis are served has become synonymous with class and alcohol.

The history of the martini is uncertain. It is believed to be based on an old drink called a Martinez. The Martinez contained sweet vermouth, gin, maraschino liqueur and bitters and was named after the place it was created: Martinez, California. Another theory is that the martini obtained its name from an Italian vermouth manufacturing company known as Martini (Martini & Rossi is the North American counterpart to the Italian company Martini). In fact, if you order a "martini" in Italy, you are likely to get a glass of vermouth. You must specify "martini cocktail" to obtain the mixed drink.

The classic martini contains five parts gin to one part dry vermouth and is garnished with either an olive or a lemon twist. Traditionally, the ingredients should be stirred together with ice and then poured into the martini glass to be served.

The modern version of the classic martini contains either vodka or gin and as much or as little sweet or dry vermouth to suit personal taste. Adding less vermouth is said to make a "drier" martini and seems

to be the trend among more sophisticated martini connoisseurs.

Also, shaking a martini and straining it into the glass (serving it without ice in the glass) rather than stirring it is more common today than it ever has been. This shift towards having a shaken martini is attributed to an old James Bond film in which Bond spoke the famous line, "Shaken, not stirred". Traditionalists state that shaking a martini dulls the taste of the vermouth and "bruises" the gin, thereby making its taste more sharp. Despite this unsubstantiated claim (we'll leave that to Chem. Eng. to prove), shaking a martini looks much more impressive than simply stirring it so shaken martinis are likely here to stay.

Regardless of the method used to prepare a classic martini, the taste is fairly similar: strongly alcoholic. Upon review of the ingredients (gin and vermouth) it is apparent that a classic martini can only be enjoyed by true lovers of alcohol with an acquired taste for ... well, the taste of alcohol.

Fortunately, for all of us who prefer our drinks to not taste like gasoline, the trend lately is flavoured martinis! In fact, the majority of martinis ordered in bars in North America today bear no resemblance to the classic martini, rather, they are variously flavoured fruity concoctions shaken and served in the ever stylish martini glass.

I personally am a huge fan of flavoured martinis for many reasons. They come in so many flavours you can never run out of versions to try. Furthermore, they generally contain 2oz of liquor with less mix-

than highballs so you can actually taste the alcohol a bit and you feel the effect faster. Finally, martini glasses look really classy and are fun to carry around (except for the part where they spill pretty easily).

Mixing flavoured martinis really isn't too tough. Most common drinks (including the highballs we discussed last issue) can be altered to become a flavoured martini. Essentially, if there is one mixer, keep the amount of alcohol constant and reduce to the amount of mixer so it all fits in a martini glass. If there are two or more mixers, proportionally reduce the amount of mixers while maintaining the amount of alcohol constant so it all fits in a martini glass.

If you don't necessarily want to experiment with creating your own martinis to begin, there is an easy way to make a few common flavoured martinis using a prefab mix. A great one is Rose's Cocktail Infusions, which is a non-alcoholic mixer and is available at most grocery stores (including Wal-Mart) for about \$5. It comes in a cool wavy glass bottle and is available in 5 flavours, although I believe only 3 of them are available in Canada. All you have to do is add equal parts vodka to the mix flavour selected and your martini is made. When using this method, I always add a squirt of lemon juice to take away to sweetness and a splash of Sprite to give it some fizz.

If you're feeling a bit more adventure-some, try mixing one of my favourite flavoured martini recipes below:

Tip: If you plan on shaking your marti-

ni, buy a decent quality plain shaker rather than a fancy one. I happen to have an aesthetically pleasing shaker, but it leaks when I shake it, so I rarely ever shake martinis (which is a real shame because shaking a martini looks so impressive).

Interesting Fact: The cone of the martini glass should never be filled more than 1/2 full. Because the shape of the martini glass is so conducive to spilling, the cone is actually designed larger than the amount of liquid it should hold to minimize the amount of spills.

Cheers and Happy Mixing!

## Easy Martinis

### Jolly Rancher

2 oz. Vodka  
1 oz. Sour Puss Raspberry  
Splash of lemonade to taste  
*Tasting Note:* Fruity and refreshing, great patio drink on a hot day!

### Minty Chocotini

2 oz. Vodka  
1 oz. Crème de menthe  
1 oz. Crème de cacao  
*Tasting Note:* Chocolaty and minty, perfect for dessert!

### Sour Blue Raspberry

2 oz. Vodka  
2 oz. Rose's Blue Raspberry Infusion  
A few drops of lemon juice  
Splash of Sprite or Club Soda  
4 oz. Ginger ale

## HUMOUR AND SATIRE

## The Adventures of Dangerman

## The Once and Future Danger-person &amp; Thanking John from The Grill



To begin with... Operation Grill.

Folks, before I get started with my article this week, I want to take a minute to talk about a local hero of mine. I'm talking about the man who put the Chill in the Grill, and was then forced by legal action to take it out again. I'm speaking of course about John the owner of "The Grill" or as old folks like me still remember, "The Chill and Grill" in University Plaza. Apart from running the most delicious burger joint in Waterloo, John has also been a long-time supporter of the Engineering Society, and a multitude of other engineering events. Basically, he's just a really good dude.

Last week, I was doing what I do best; breaking the law. I don't want to get into too many details, since it's gener-

ally a bad idea to reveal details in public publications. However, I will say that John from the Grill saved my life! Or anyway, he saved me from the legal and financial repercussions of being a bad Dangerman. In honour of his thoughtful act (for I should mention when he helped me, he did not realize that he was helping I, Dangerman, but rather just some random person) I promised myself that for my next article, I would **encourage my readers to go eat at the Grill and tell John, "Dangerman says thanks"**.

Alright, now that that business is out of the way, let's cut to the chase.

In my last issue I announced with some brevity that I've decided to select a successor to carry on my dangerous ways. No, I'm not dying. Yes, the police are still looking for me and I really should get out of town soon, but that's not why either. Rather, it's just time for me to be moving on to new adventures. Like Brooks in The Shawshank Redemption, despite being thoroughly institutionalized, this old crook has made his parole.

## Enter Chad Sexington

tious, like-sex-in-my-mouth pumpkiny goodness any day. Hell, I haven't had a birthday cake in over 10 years. If you're going to be at my party, you're having pie. Many ladies can attest to the quality of my cooking.

**I love Techno.** The beat flows through me. There's nothing like waking up, going about your day, and falling asleep to pounding bass, sweet harmonies and gentle melodies (respectively) which are all encompassed under the umbrella of Techno. Its got so many flavours there's something for everyone. Rhythm and flow are a necessity, none of that speed-core garbage.

**I love wood.** The taste of it, the smell of it, the texture of it. I love wood so much-Woah now, there I go getting carried away again. What I mean is lumber, trees, and the smell of sawdust in the morning. For me, it was the choice between engineer and lumberjack. Go cut down a tree, and learn to use an axe properly while you're at it! Support the main industry of Canada: Forestry and Lumber. The smell of sawn cedar and texture of a fine grain beneath your fingers is all a man could ever ask for. And be sure to check me out in Lumberjack's Weekly; I'm doing their new fall axe line. Because sometimes you just have to take the time to stop and smell the softwood.

That's enough of that for now. You'll find out more about the things I love (and hate) over the next few years. To round up this article, I'd like to share a story with my frosh (and upper year) friends about an adventurous young first year engineer, and one of the things he learned during 1st year.

**Exhibit B: The Young Ones Arrive:**

A few years ago, a young, sexy, intrepid froshie walked through the doors of UW and began his journey towards an Iron Ring. At first he was confident, cocky, and downright sexy. After having done not too badly in high school, he finally felt at home among peers discussing physics, math and science. He made a few friends, went to his classes, did some homework, and attended a lot of sexy parties. But alas, good times were put on hold and the first round of midterms arose. Being his confident self, this young man decided he would do what he had always done: study for them. Much to his dismay, he performed (only on the exams) terri-

(i.e. I'm finally going to gradumacate)

So without further ado, here be the Rules and other Stuff!

**Rules for Competing in Danger-Academy:**

**First Rule:** There are no rules, Suckas!<sup>1</sup>

**Second Guideline:** Ladies are definitely encouraged to compete.

**Third Guideline:** If you are not a reckless ne'er-do-well cad, please go tryout for the Caution-boy position currently held by Michael Seliske<sup>2</sup>. Your hands will get dirty. You will need to perform unscrupulous acts in order to win. You will probably defile your temple or someone else's.

**Fourth Guideline:** There's no crying in Danger-Academy! (unless you're making someone else do it, in which case "thumbs up")

**Fifth Guideline:** Applicants must be of reasonable intelligence and comedic prowess. (i.e. if you can't write worth a damn, don't bother)

**Sixth Guideline:** Applicants must be

of reasonable academic standing. (i.e. if you're going to graduate at Christmas, don't bother)

Formal applications will not be necessary. Feel free to fire me off an email, so I know you're interested. Danger-Academy Event advertisements will be posted. If anyone wants to volunteer to help me run the events without actually competing shoot me off an email as well.

Till next time,  
Dangerman  
Eric.dangerman@gmail.com

<sup>1</sup> More like guidelines really...I just always wanted to have a competition where someone says in a ridiculously ominous voice, "There are no rules!", possibly followed up with a "Suckas!" for extra effect. Still I'd like to maintain the "spirit" of a "There are no rules, suckas!" competition for this one.

<sup>2</sup> If you REALLY think you're qualified, I'll keep you under consideration, but don't try to kid a kidder kid.



How You Doin'?

Well now, aren't you just a Sexy IW reader.

Let me introduce myself before we get any further in our relationship. I go by many names to many different people here, but for you readers, there is only one you need to know. Je suis Chad Sexington, and (ladies take note) I'm where the Sexy's been at since before J.T. even lost it. I'm in 2.5N MANGineering (that's NOT Management), I've got a Masters in Awesome and a PhD in Sexiness. People would describe me as sexy, lovable, handsome, charming and other things besides. I'm your everyday renaissance man. I'm your in-house ladies man. I'm your Mr. Fix-it. I'm your go-to guy. I'm a slice of life and a highball of wit. To sum it all up, I'll be your new favourite columnist for the next few years and its going to be legen (-wait for it-) dary.

With the disheartening disappearance of the beloved Low Rider (ladies in the Low Rider fan club might consider switching to my own), and the looming departure of my esteemed colleague Dangerman, yours truly has decided to put aside a few minutes of life to share his thoughts with you. Why? Because I care. Though I don't really know what format this column will be in yet, it's sure to be a sexy one once I've figured it all out. I'm not new to these halls, but I am new to these pages, and I'm starting off with a bang. Because you're going to be seeing a lot of me on these ink-covered slices over the coming years, I thought I'd take my first mainstream article to tell you a bit about myself.

**Exhibit A: Things that I love:**

**I love Beer.** All of it. Any engineer worth his or her salt and pepper should be able to hold their own against a horde of thirsty Germans when it comes to the brewskis. Not that I condone your binge drinking habits, but if you're going to be an engineer, you should at least taste the finest BEvERage that mankind has ever created before you get your irons.

**I love Pumpkin Pie.** Screw Thanksgiving. Give me that delicious, nutri-

bly! A 60 here, a 70 there, and nothing above an 80? 'I have failed' he said to himself, 'but at least I'm still sexy!' So this young man decided he would buckle down and get back to his old place in the class. Neglecting any and all invitations from the ladies, he studied and learned like never before. He became obsessed with learning every detail and fact. He tried and retried his problem sets, and when finals rolled around the young man sat confidently in his seat to put forth the best of his knowledge. To his chagrin, he had achieved only slightly better than before. 'What kind of deal is this?!' he exclaimed. All of the work, stress, and lack of socializing seemed not to have paid out equal dividends.

Being a wise young stud, the cunning, sexy, young man had an idea. The next term he cut back on the sexy parties a wee bit, set aside more time, studied a lot harder than he normally would have, and, you guessed it, came out somewhere right in the middle of the pack. He relaxed and enjoyed his courses rather than concerning himself with every detail. He took time to learn the important details,

but also to meet new people and have a real life. He had found that putting in extra effort would get him that extra average, and that little extra sexy would get him that extra... nevermind. 'I have learned the secret!' he said to himself 'and I'm still sexy'. From then on, he was happy.

The moral of this story, is that you need to find a happy medium between work and play. Engineering is hard. But all work and no play makes the Chad a dull, bored, stressed out man. You need to find the happy place where you do enough work to get self-satisfying marks, but still have time to go out and enjoy yourself. For my first year friends who have just finished midterms, don't let it get you down and don't let it stress you out. Keep at it. Study hard, but have some fun too. Find your special place, wherever that may be.

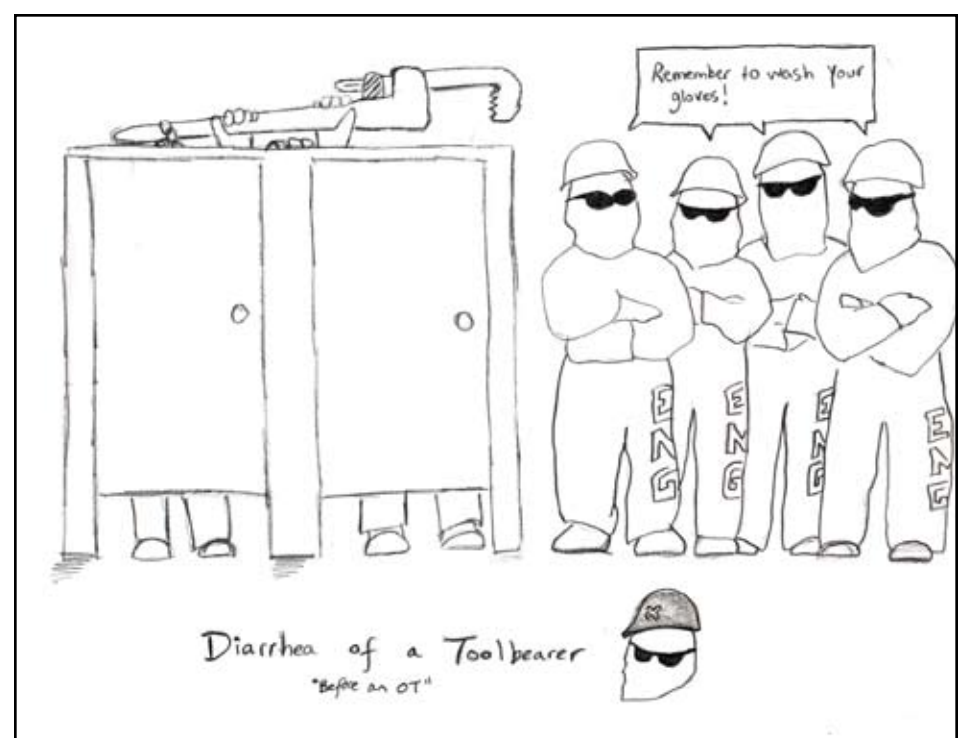
Stay Sexy!

Want to have a question answered by Chad Sexington in the next IW? Email your questions to Questions4Chad@gmail.com

## Diarrhea of a Toolbearer

SYLVIA WU

1T MECHATRONICS



# The Iron Crossword

MATTHEW CASSWELL  
2A CIVIL

1	2	3	4		5	6	7		8	9	10	
11				12		13				14		
15						16				17		
			18		19		20		21			
22	23	24				25		26				
27					28		29					
30				31						32	33	34
			35							36		
	37	38				39		40				
41					42		43					
44				45		46		47		48	49	50
51				52				53				
54				55					56			

## Iron Sudoku

MATTHEW CASSWELL  
2A CIVIL

			3			4		
2	7							6
		9				2		1
	9	8	2	5				7
1								3
	2			1	4	8	5	
	3		5			6		
	8							3 9
	1				6			

## Crossword Clues

### Across

- Insect in a cocoon
- Bar
- Toronto Raptors
- “\_\_\_\_\_” of Two Cities (2 wds)
- Snacked
- Three
- World’s oldest High-IQ society
- Been
- Auto \_\_\_\_
- Age/Sex/Location
- Harass
- Junior Chamber
- Facile
- Fencing sword
- Association
- Decade
- The only Halloween-related word in this crossword!
- Ruby
- Biblical Prophet
- Asian starling
- Greater \_\_\_\_
- Closed (2 wds)
- Large groups
- Possessive pronoun
- Tear
- Munch
- No-no
- Frozen water
- Brazilian city
- \_\_\_\_\_ the chicken before it expires (2 words)
- Where you should be at 8:30 am
- Slick
- Vexation
- Cincinnati baseball team
- Smaller than an ocean but larger than a lake
- Sa-like structures filled with fluid or diseased matter

### Down

- Spam without the S
- Western Indian
- Rhymes with the answer for 1 Down
- NE French region
- Animal foot
- American state
- Adjure
- Chips
- Flat roll
- Assistant
- Alleviate
- Former Russian ruler
- Top
- Boeing
- Baboon
- Japanese currency
- Devil
- Sound of a sneeze
- Ponders
- Con
- Vane direction
- Guy
- Chin
- Swamp
- Blink of an eye
- Desired
- Skirt
- MTV’s \_\_\_\_s
- Boat’s wind catcher
- Teddy
- TV lawyer Matlock
- French “yes”
- Choose

## Prof Quotes

“This chalk is so soft... They don’t make chalk for real men any more.”  
~Rensizbulut, ME353

“Can someone please come up and show the forces? Just show them, don’t spoil my diagram!!”  
~ Pal, CHE 211

“I took this course when I was in 2A ... I hated it.”  
~Kennings, ECE 223 (referring to ECE 223)

“This isn’t masochistic, this is fun! It’s only masochistic if you don’t enjoy it!”  
~New, Math 218

## THE IRON INQUISITION

Stuart Pearson, 2A Civil

“What is the scariest thing that you can think of?”



**Marc Tan**  
2A Civil  
“Armoured parachuting bears.”



**Chris Spakes**  
2B Chemical  
“PDEng Results.”



**Dane Corneil**  
4A Systems  
“A Palin presidency.”



**Yousif Al-Khder**  
2A Management  
“Being the Editor-in-Chief of the Iron Warrior.”



**Tim Bandura**  
2A Mechanical  
“If the IW ceased to exist and I was forced to read Imprint and \*shudders\* Math-NEWS.”



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