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Professional Development or Permanent Damage?

Page 4



What is going on in UW Engineering?

Page 9



Fun with Early European Imperialism

Page 14

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ECE Receives \$10 000 Gift from Student Conference



Catherine Rosenberg, the Department Chair of Electrical & Computer Engineering accepts the donated equipment from Dmitriy Mitchev, the Co-Chair of CUTC 2007. Details page 7.

NATASHA POUNDER
CUTC PUBLIC RELATIONS

The department of Electrical and Computer Engineering at UW today received a donation of over \$10 000 worth of laboratory equipment, courtesy of the Canadian Undergraduate Technology Conference (CUTC). The donation consists of 3 complete LabVIEW Professional packages that the conference had received as in-kind sponsorship from National Instruments, a world-leader in the development virtual instrumentation software and hardware. "The CUTC has enjoyed an incredible level of support from the Engineering faculty at UW, which subsidizes its students every year to attend the conference. When we received the software and hardware from NI, we immediately decided to donate it to the ECE department as it is there that it will benefit students the most, which is our main goal as an organization." said Dmitriy Mitchev, Co-Chair for CUTC 2007.

Today, the CUTC is Canada's biggest showcase of technological advancement and excellence with an attendance of over 600 delegates from all over Canada,

Continued on page 7, see CUTC

Pushing for change in French Universities

JAMES SCHOFIELD
4A COMPUTER

Imagine if a university education was considered a fundamental human right, like health-care, and was completely financed by the government. Your tuition costs nearly nothing, and provided you meet the minimum academic requirements when you graduate from high school, you are guaranteed a place in university.

The idea may sound appealing to Waterloo engineering students struggling with over \$9,000 a year in tuition and fees, but as a recent article in the International Herald Tribune ("For French universities, bad marks", May 12, 2006) describes it, the state of universities in France is abysmal. While the most prestigious of the French universities – the "grandes écoles" – devour a disproportionate amount of the government education funding, the 96 per cent of students attending smaller schools are left with deficient infrastructure, limited student services, and highly inadequate funding.

The article describes a suburban campus of the University of Paris as having 32,000 students, but no student centre, no sports

facilities, not enough office space for all its instructors, and a library that opens for only 10 hours of the day. Because most students attend the university closest to their home, on-campus services shut down early in the afternoon, as the rush of commuter students return home.

Indeed, attitudes toward education differ greatly from country to country, and it is difficult to comprehend the massive student protests of the past year without an understanding of the attitudes embodied by these students. In France, education is seen as a right, not a privilege, and while students are willing and eager to protest over any perceived injustice, the notion of paying more for a higher quality of education is absurd; the government is expected to fully cover the costs.

Because university enrolment has skyrocketed since the introduction of nearly-free university education in the 1960s, the value of the bachelor's degree has become increasingly worthless. Unemployment among recent graduates is extremely high. This year, the French government intro-

Continued on page 16, see French

Disappointment in Fed Bus/Greyhound Ruling

RENJIE BUTALID
FEDS VP ADMIN. & FINANCE

The Federation of Students (Feds) is disappointed with the Ontario Highway Transport Board over its recent decision not to recognize its "Fed Bus" operation, a popular student-run service at the University of Waterloo, as a chartered service.

The complaint filed by Greyhound contends that the Feds, through the Student Transportation of Canada (STC), is in violation of the Public Vehicles Act for operating an unlicensed scheduled bus service. The Highway Transport Board chose not to recognize a group of students traveling home for the weekend to qualify as a "group" for the purposes of a charter.

The Federation of Students is currently examining avenues of appeal in consultation with its lawyers and the STC. The Fed Bus will continue to be in operation until

July 31st, 2006 in compliance with the ruling of the Ontario Highway Transport Board.

This decision places the 600-1000 students who use the service every weekend to go home to London, Hamilton or the Greater Toronto Area in a difficult situation, as they now have to find alternative transportation. "With rising tuition costs, it is more important than ever for there to be a low-cost student-friendly transportation alternative" says Renjie Butalid, Vice President Administration & Finance of the Federation of Students.

The Federation of Students exists to serve, empower and represent the 21,000 undergraduate students at the University of Waterloo. Well that's all I got for this issue. If there are any question or general comments about senate related things feel free to forward them my way!

"With rising tuition costs, it is more important than ever for there to be a low-cost student-friendly transportation alternative"

From the Desk of Your Iron Editor



GABRIEL CHAN
EDITOR-IN-CHIEF

Firstly, welcome back to school. Don't you just love the beautiful weather and the fact that we can enjoy it from the comfort of our jail cells. I mean lecture halls. Anyway, let's cut to the chase: new semester, new courses, new profs, new newspaper...

Yes, a revolution has broken out. Iron Warrior has new staff, new sections, new organizational structure, but it is still your newspaper. The two new sections are the Letters to the Editor and Classified sections. Keep reading for more details.

Iron Warrior has a survey that is active on our website (iwarrior.uwaterloo.ca); participate and you have the chance to win \$30. The winner will be announced publicly and notified by email. The survey results will be posted in the last issue of the Iron Warrior (but I do check the data frequently). It is very important that we get feedback from our readers, so we can give you what you want. Otherwise, we might as well be your toilet paper. Or worse, Imprint (just kidding; we student publications should stick together).

As I have mentioned before on the EngSoc listserv and at the first EngSoc meeting, Iron Warrior will have new features designed to enhance the newspaper's relationship with its readers. We strongly encourage everyone to take advantage of these new features.

The Letter to the Editor section will feature short blurbs on issues that the reader cares about. Letters are significantly shorter than articles and are excellent for broadcasting your opinions. You can't stand the fact that Waterloo smells like shit every morning? Or you think E2 washrooms smell far worse? You can



Shen-Howe Lee

prove God doesn't exist? Or you also think Israel doesn't have the right to exist? Don't worry about writing about controversial issues; after all, we ARE university students. We are encouraged to debate thought-provoking topics. Submit letters to iwarrior@engmail with subject line "Dear IW".

The Classified section will be your alternative (or complement) to advertising with random posters. We are all poor students, but the local optimal solution is to advertise in the student newspaper... for free. Can't wait to get the heck out of Waterloo every weekend, but you need a ride? Need to sublet your room for the next term? Or looking for a room? Need to sell your books/beds/bikes/cars/furniture/souls? Submit your small advertise-

ment blurbs to iwarrior@engmail with subject line "Advert".

As always, we welcome submissions of all types, be they articles, poems, pictures, recipes, puzzles, midterms (no wait, those go into the Exambank). P**5 points are awarded for submissions.

Iron Warrior meets every Thursday at 11:30 for 20 to 30 minutes. Come out if you wish to join in the development process. Our deadlines are bi-weekly on Fridays at 9pm (the next one is June 2nd). You are welcome to submit after the deadline, but there are no guarantees that your work will be published for that issue. Our schedule can be found on Google Calendar. Hope everyone enjoys their summer term. Now stop reading this and pay attention in class ;)

No More Late Nights at SLC Timmy's?

JEFF AHO
FEDS ENGINEERING COUNCILLOR

As many of you know from the Imprint, the SLC Tim Hortons may be undergoing some operating hour changes. According to our (Feds) Memo of Agreement the store is to be open 24/7.

This is to provide both a service to students and provide part time jobs for many students. The proposed changes will close the store during night hours. Over the next 2 weeks, they will be doing volume audits to submit to the Food Advisory Board.

What can you do? If you are up late studying or just around campus, and have

the munchies or need a caffeine boost, stop by the SLC Tims and buy anything, even something small. This will help us save our hours. Pass this message onto anyone you know. If we can show the Food Advisory Board that people want a 24/7 Tims then it will be easier for us to fight them over this.

the iron warrior magazine

Created by...

Read by...

Written by...

YOU!

you want to contribute ANYTHING AT ALL,

drop by our office (opposite the Orifice) or e-mail us at iwarrior@engmail

The IRON WARRIOR

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The Iron Warrior is a forum for thought provoking and informative articles published by the Engineering Society. Views expressed in The Iron Warrior are those of the authors and do not necessarily reflect the opinions of the Engineering Society.

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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EDITORIALS & OPINIONS

The J1 Visa changes: What does this mean for you?

PHILIP NEWMAN
3A SYSTEMS DESIGN

Following the recent article in the Imprint, a lot of ambitious coop students have been rather distraught over fears that they might not be able to get work terms in the US. At information sessions for US companies, the question "how will the proposed regulatory changes affect co-op students applying to jobs in the US?" inevitably arose. The response from recruiters at Amazon and other high-profile US co-op employers was essentially "Keep your pants on folks, we're taking care of it!"

Under the proposed changes, alien undergraduate students (that's us) wouldn't be allowed to work in the

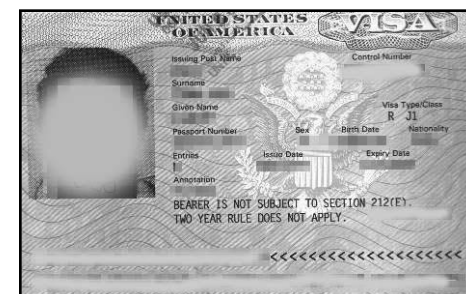
states with the J1 Exchange Visitor Visa. Microsoft recruiter, Meaghan Angelo stated "We are working together with other large companies to show our opposition to the proposed changes." There is a 60 day comment period where companies are showing support or opposition for the changes.

For the upcoming fall co-op, we shouldn't be concerned about being able to obtain a visa. It typically takes

12 months to implement changes of this sort. It's also the opinion of professionals in the industry that the proposed changes will not be implemented and if they do, there may be clever ways to get around them.

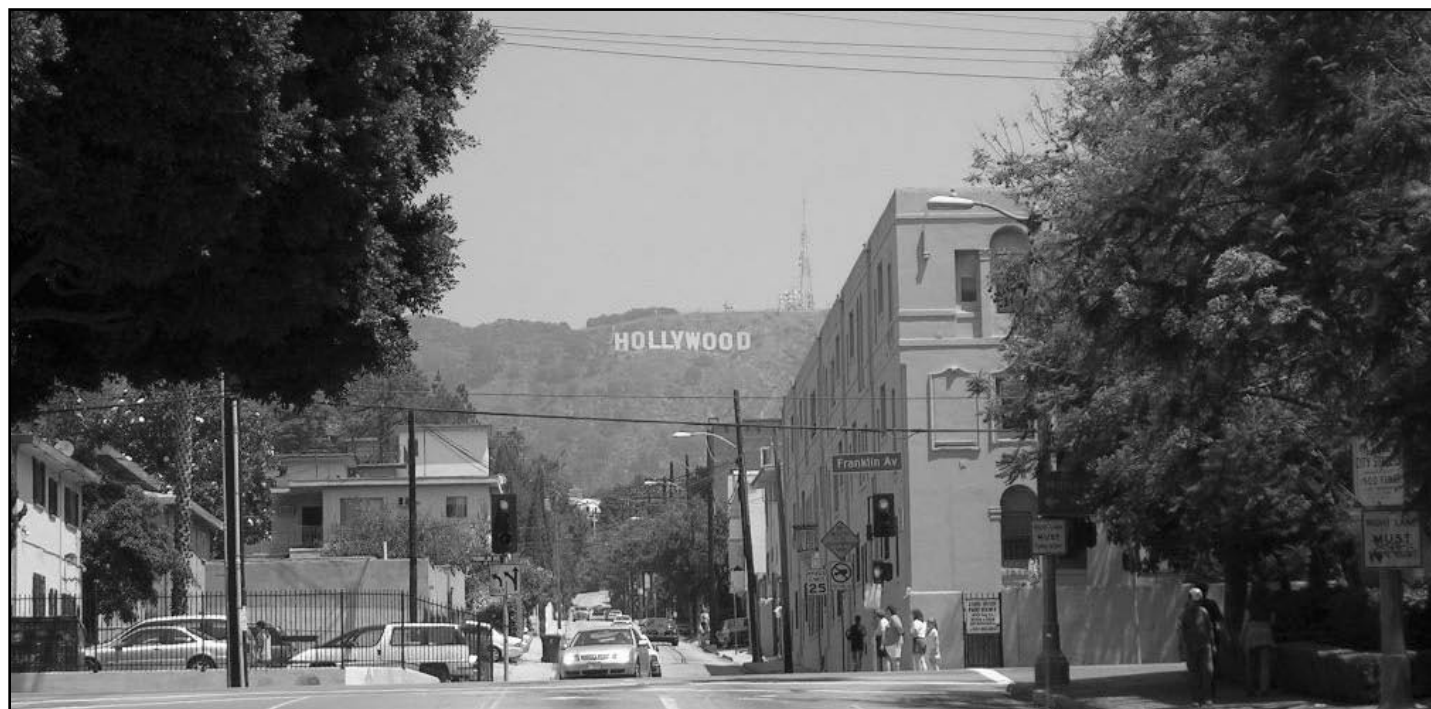
What does this all mean for you? It means you should keep on applying to those awesome US jobs as it looks like the US will still be open to Canadian students. In the eventuality that the proposed changes do take effect, we'll

work together to find alternate solutions like building a large catapult or boring a tunnel to California.



What the fuss is all about: this little thing called the J1 Visitors Exchange Visa. All foreigners working in the United States must carry one to legally work in the USA.

"The response from recruiters at Amazon and other high-profile US coop employers was essentially "Keep your pants on folks, we're taking care of it!" "



Every UW engineering co-op's dream placement; it may soon only go as far as being a dream.

ENGINEERING SOCIETY

Did you know you can earn valuable P**5 points for volunteering time at the C&D? Email Mary Bland at mbland@engmail.uwaterloo.ca to schedule your shift.

Back to the good old days of Cold War and Sakoku

GABRIEL CHAN
3A SYSTEMS DESIGN

My friend was talking to me about his co-op adventures last term one day and said that he was stopped by a border patrol while crossing from one federal state to another. Why was he stopped? Apparently, they check passports at interstate border crossings now. Unprepared for this situation, my friend was unable to produce a passport. Subsequently, the border guard threatened to throw them all in jail for 30 days, but eventually they were set free.

No, he was not working in Turkmenistan (last time I checked, Qualcomm did not have an office there). It was the United States of America: the land of the free and home of the brave. I could imagine that my surprised reaction was comparable to his initial one that day. It reminded me of the conversation between

"The idea was to isolate the country by restricting all travel coming in and leaving Japan. Is this what Uncle Sam is trying to do?"

state. Do they let you do that?" / "I suppose." / "No papers?" / "No papers, state to state."

Well, not anymore.

It seems that the countless new restrictions introduced after the September 11 disaster were still not enough to protect America. And as just about every co-op student here should have heard by now, they want to tighten the exchange visitor visa policies. Sakoku was Japan's foreign relations policy during the Tokugawa Shogunate in an effort to legitimize and

strengthen its authority at home and abroad. The idea was to isolate the country by restricting all travel coming in and leaving Japan. Is this what Uncle Sam is trying to do?

The US State Department recently yanked 16000 computers from networks that provide access to information vital to national security. These computers were designed by IBM and are manufactured in North Carolina and Mexico; but the operations belong to the Lenovo Group based in Hong Kong, China. This obviously means that China is using this as an elaborate scheme to spy on the US. Bullshit. Using



The future of interstate security? For our sake, we definitely hope not!

Microsoft Windows is a bigger security concern than using Lenovo PCs.

This is typical of hawkish Blue Team thought: the mentality is that the United States always has a rival and that rival must be destroyed at all cost. They are thinking "now that the Soviet Union is gone, so China must be our new enemy." However, in this increasingly multi-polar world, globalisation and multinational cooperation is the name of the game today, placing less emphasis on finding ways to

blow other countries up. It is unfortunate that this camp has bred a paranoid neoconservative government south of the border.

Just as the Bolsheviks wanted to destroy the established ways of life throughout the world, these neoconservatives want to achieve this same goal; the only difference is the former fights for communism and the latter fights for "freedom".

Uncle Sam, whatever you do, please do not start World War III. I still want to work in California next term!

POINT VS. COUNTERPOINT

PD-Eng: Professional Development or Permanent Damage?



TERI LEUNG
1B SYSTEMS DESIGN

PD-Eng may not completely suck. It is the program that Class'09 and later students love to hate, but it is also the program developed to attack the one thing engineering students are known stereotypically to be lacking of: workplace professionalism and skilled communication. PD-Eng is not unlike many of the professional development and management courses taken by Professional Engineers. It takes students away from the technical aspect of engineering and brings into focus the how-to's of engineering as a profession.

Employers in this competitive job market look for staff who are well-rounded and ready to tackle a multitude of tasks. The "one-up" that PD-Eng gives students is "soft skills." PD-Eng students may be more ready to come on the job and perform than others who may require time to develop these highly demanded skills of business.

"Although PD-Eng is a pain in the ass, it makes you aware of the issues in the workplace," said she-who-prefers-not-to-be-named, 1B Chemical Engineering.

Much of the PD-Eng material has workplace relevance; this includes anything from ethics and conflict management to project management. Assignment modules often require students to reflect on the topics in terms of their own strengths and weaknesses. This self-awareness often serves the students well in difficult workplace situations, such as the observation of unethical behaviour in the workplace. A student's awareness of the issue will help him or her to better resolve the situation. Arguably, much of it is simple common sense, but as the workplace is complicated, it is helpful to be reminded of the simple solutions.

Other useful course content includes meeting procedures and technical writing, which are neither common sense nor taught in the traditional academic environment. Readings, new articles, forums, polls and case studies serve as teaching aids to pool the real world into the "real-world" course, however, most of which are optional.

A student can put in as much time as he or she wants, depending on his or her personal goals or time restrictions. A workload of 30 hours per term is required. This works out to an average of approximately 3 hours per assignment (which is most popularly completed at work or 3 hours before the 11:55 p.m. deadline).

As an endnote and a personal comment, I enjoyed the case study of the attacking UW Canadian geese.



CANDY WONG
1B SYSTEMS DESIGN

Permanent Damage for ENGINEERS has served its purpose in creating additional stress and limiting time for recreational activities for engineering students during their work term. Ironically, students learn to become a more effective employee by maximizing their employer's resource for completing PD-Eng assignments, which was definitely not the original objective of this PD-Eng course. This course is merely a pathetic attempt to keep students informed of basic organizational behaviour concepts found within the workplace.

The engineering work term places a high degree of emphasis on establishing vital soft skills within the work environment. These highly transferable skills are crucial for a student's success within the corporate atmosphere and are generally developed during post work activities with fellow colleagues. The PD-Eng program restricts students to these outings and networking opportunities by forcing students to learn these valuable interpersonal skills through more readings, assignments and homework that students encounter through course work already. This lack of respect on behalf of the developers should be regarded as an insult to our intelligence by assuming we are deficient in the ability to hone these skills by ourselves. PD-Eng is an obvious impediment as the time demanded on a weekly basis is out-

geous, in the purest sense of the word.

Cheating is a word we are all familiar with in one sense or another (some more than others of course =P). The PD-Eng program has been fortunate enough to bestow a wonderful component that recognizes cheating at its finest. The procedure is very efficient, as many can attest to, its mass distribution of false allegations regarding numerous violations of Policy 71. This ludicrous system does not provide any evidence for cheating, and compensates with a pitiful email that provides no substantial evidence as that is all a machine can do, pathetic. Innocent students are insulted with such accusations, which can possibly result them in dire consequences.

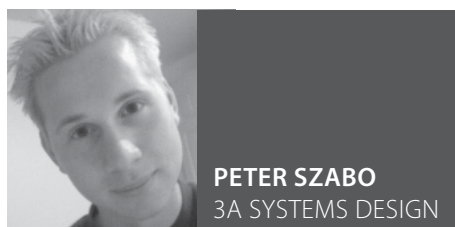
Now that the first-rate aspects of PD-Eng have been thoroughly discussed, we can conclude with grand poise that this sorry excuse for professional development is nothing more than an obstruction to our success. I believe a thorough investigation and remodeling of the program is required immediately so that our future victories be jeopardized no longer. The myriad of problems worries us as we are slowly being pierced with permanent damages that paralyse our ability to socialize, and possibly have some fun during the work terms. Oh PD-Eng, I despise you!

Editor's Note:

The views and opinions expressed here do not necessarily reflect those of the authors, the Iron Warrior, or the Engineering Society.



Conclusion of the Tragic Case of Cecilia Zhang



PETER SZABO
3A SYSTEMS DESIGN

As you may or may not know, it has been over a month since the killer of 2003 kidnap victim 9 year old Cecilia Zhang has been prosecuted. Min Chen was sentenced to life in prison without parole for 15 years. Chances are that if and when he does receive parole, he would most likely be deported to his native China to be tried again, and undoubtedly sentenced once more.

Who is Min Chen? Why did he do this?

In 2001, Min Chen was a young man of age 21 living in Shanghai, China. He obtained a visa to study in Canada and

pursued an education at Seneca College here in Ontario. In early 2003, he found himself performing poorly in school and his visa expiration date of August 2004 was fast approaching. He needed to do something, but what?

He had a friend who happened to find room and board with the small Zhang family, where in 2003 young Cecilia was only 9 years old. Chen visited his friend several times during his friend's lodging there and became aware of the Zhang's financial situation. He would keep this in mind for the future...

Chen could only think of one solution to keep himself in school, or Canada for that matter. He needed a 'marriage of convenience.' Essentially, he wanted to marry someone in order to become a Canadian citizen so he could stay permanently. But to do this, he

needed upwards of \$25,000 to pay for the costs. Where is a poor, low-mark, foreign student going to come up with this kind of money? The only place he remembers.

He attempted to kidnap the Zhang's daughter, Cecilia, and hold her for ransom. Tragically for the Zhangs, Chen's disorganization cost not only his personal goals, but the life of a young girl. He accidentally suffocated her while using a towel to keep her from screaming as he stole her from her bedroom. He dumped her lifeless body in a ravine, not to be uncovered until a hiker stumbled across the girl's remains months later.

Chen's fingerprints matched those found on the window in the Zhang's home. Add in the fact that Chen visited over a dozen automobile cleaners to clean the lining of

his trunk shortly after the girl went missing. The result is a solid case against by prosecutors.

On May 9th Min Chen pleaded guilty to second degree murder and sealed a life sentence by doing so. On May 12th he was sentenced to life with no chance of parole for 15 years.

This story hits close to home for virtually every student in post secondary education, especially here at UW. With so many students from across the world with so many different cultures, all that mixed in with the fact that we get up and move every 4 months to new cities, new homes, and even new temporary families. We all live similar lives to what Chen had, a student moving away from home for the sake of school. The main distinguishing factor is at which point he allowed greed and fear to take place of rationality. Perhaps now the Zhang family can get some closure regarding the pain they have felt over the past few years.



Min Chen

STUFF YOU SAY

Face it: You Can't Live in Residence Forever



HAROUT
MANOUGIAN
3A ELECTRICAL

As first year university co-op students enter their second semester, it may not yet have dawned on them that their residence contracts expire this term and they will be responsible for finding a place to stay in January. So, to get you all out there before the good places are gone, this article is meant to guide you through the house-hunting process.

First of all, the most important decision you need to make is whether you prefer to pay less or be closer to school. Once you have decided this, you'll know which of the following categories of housing will suit your needs.

1. Residence - I stayed in residence again for my 2A term (but not in 2B) in Wilmot Court, which is one of the suite-style residences at UW Place. We organized it so that 9 people from our class lived on the same floor, which really

helps with homework assignments. This is usually the most expensive option but it means that you can wake up half an hour before your class starts and be spared the time-consuming process of looking for and looking at houses. Also, your internet and phone are set up already and you can even purchase a meal plan if you're not sick of cafeteria food yet.

2. East and South of Campus - For engineering students, the closest places to live are the houses to the east and south of campus. These are the ones from Columbia to the region south of Laurier near Phillip, Lester and Albert Streets. On Phillip St. there are two main housing complexes. The first is the Phillip Street Townhouses: They always have a really long waiting list because they're the closest non-residence buildings to campus. The second is WCRI, a "co-operative housing" apartment building. "Co-operative housing" means that you help out in some of the maintenance tasks of the complex.

The houses in this area are really close (15 minute walk or less) and the landlords know that. You're also competing with Laurier students in this region, which

makes prices higher (but isn't it worth it to be so close to Laurier?).

3. West and North of Campus - These are the houses in and around Keats Way, McDougall and Westmount Streets and a whole bunch of little streets in a neighbourhood to the west of the colleges and near CLV. The most notable to mention here is the Keats Way Townhouses at 250 Keats Way, where many engineering students take up residence every term. This region is a little more of a walk (half an hour or more), which can be a real downer on cold, snowy January days but there are plenty of places available and it's a good neighbourhood.

4. Commuting - If it's not important to you to be able to walk to school, that is, you don't mind taking the bus or driving, you can pretty much live anywhere on Columbia, University, Erb, King, or Weber Streets. Or really anywhere else for that matter. This area is ideal for bikers during fall or summer terms but not as attractive during the winter. From January to April, you're probably looking at taking the bus or driving to school. Thus, the money you save by living farther is offset somewhat by the need to purchase a park-

ing pass, gas, or a bus pass.

So that's a summary of the regions around the school. You also need to think about who you're going to live with because your roommates will be a pretty big part of your life for the school terms and of course everyone would rather live with people they get along with.

A pointer to remember when looking at houses is never take the first one without looking at a minimum of 4 or 5 places. Even if it's really nice, just go and see other ones and compare them. Make sure to try to bring up that you're a co-op student and would prefer to only rent the house for the terms when you're at school. A lot of landlords know that they won't be able to rent their property during the summer because there are so many less students so they really push 12 month leases, which makes you pay for the house even during the 4 months that you're not using it. Many students try to find a sublet to rent it to but it's a lot of hassle and no guarantee that you'll find one. In fact, make a point of looking at houses that are sublets from other students. In this case you can look for housing one term at a time.



CSE Course Review: ENGL 105A



DAN ARNOTT
3A ENVIRONMENTAL

Course: ENGL 105A, 20th Century English Literature, 1900-1945
Professor: Eric McCormack
Term: Fall

Let's be real here. If you like to read, engineering courses probably don't offer you a lot in that respect. Sure,

you usually have to read some technical journals or reference material before crunching numbers for that assignment or completing that big lab, but that's not really reading for enjoyment. The solution: English 105A, the course where you read for pleasure and for credit!

Here's the concept: You read a few poems or short stories before class, listen to the professor talk about them for usually only about two hours, write a couple of one-hour midterms and hand in an essay. Not a very heavy workload at all, and the readings are usually very interesting and entertaining (with the exception of Virginia Woolf). Nothing takes very long

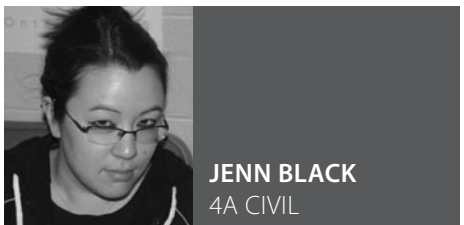
to read, and it'll feel like leisure time compared to your engineering workload.

However, what really makes this course exceptional is the professor. Although it's taught on the main campus, it is highly recommended that you take it at St Jerome's with Professor Eric McCormack. Just imagine a short, wiry old Scotsman with a brush cut and moustache talking very enthusiastically about great books for two hours, occasionally throwing in interesting back-story or humorous anecdotes. McCormack's enthusiasm for teaching is evident, and if you take the course, you'll probably end up being interested in literature even if you weren't before.

Engineers are rare in English 105 - I was the only one - so you probably won't see many of your classmates, but you'll be revered as a bit of an oddity. While there are a few arrogant artsies that make a point of blowing their own horns and sucking some of the fun out of the class, most of the students are just ordinary people like you or I.

Once again, this course involves reading and a little bit of writing, so choose another CSE if that's not your thing. But as engineering students, we could all benefit from an appreciation of literature, and English 105 gives you just enough of it.

Why CSEs Suck the Second Time Around



JENN BLACK
4A CIVIL

Being engineering students, we have enough things to worry about (classes, assignments, projects, "extra-curricular" activities, etc.) other than picking an appropriate complementary studies elective.

What's appropriate, you say? Well, there are those ambitious sorts among us angling for an option and the appropriate courses for them are the ones dictated by those doling out said options. But for most others, an appropriate course is one that has interesting content and involves

as little work as possible. Sure, we'd like it to fit neatly amidst our other classes and social activities, but that's not likely to happen - no one gets everything they want. Other desirable attributes of an appropriate CSE include minimal assignments, no required textbook, online course notes, and multiple-choice exams or no exams whatsoever.

Now that we have our criteria in place, how are we to decide? There are lots of courses out there and not enough patience in the world to investigate them all. However, our venerable elders (upper-year students) have a wealth of information to bestow upon us. Being older, and thus wiser, their opinions must have some merit, right?

On two occasions, I have been rewarded by taking the advice of those who have gone before me. The classes were interest-

ing and the professors enthusiastic, making for quite enjoyable class time. In one case, the tests were multiple choice and short answer, and the other had no tests at all. Assignments were short essays marked with less than half the scrutiny of anything I'd ever submitted in my own faculty.

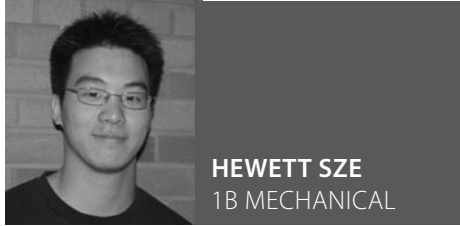
Wanting to pass this valuable information on to others, I suggested these courses to a friend. Unfortunately for my friend, one professor swap and one curriculum change later these courses didn't seem quite as appropriate as I had made them out to be. Instead of being an interesting weekly diversion and a few of my highest marks, these turned out to be work-laden GPA sinkholes for my friend. Twice burned and wondering why she needs enemies when she has friends like me, my friend no longer seeks my advice on such matters.

Just to prove that I'm not completely evil and don't dispense seemingly useful information for the sheer pleasure of watching people heed it so willingly, I'll admit that I've been burned before as well. Sure, all the tests were multiple choice and the hardest part about the course was staying awake during lectures but the course on a whole was so time consuming! Lots of reading, multiple lengthy assignments, and... *gasp* presentations. This was not how it was described to me. I have faith though; I still seek advice when deciding on the courses I want to take.

So, my advice to you is merely caution. Referrals can lead to good and bad courses. Rest assured, your friend probably doesn't have it in for you if they accidentally refer you to a bad course. In the end, it's your decision. Just make sure you don't pick something you might end up repeating.

STUFF YOU SAY

The University of Waterloo is Under Fire



HEWETT SZE
1B MECHANICAL

What were you doing on Monday, May 15, 2006 at 10 am, 2 pm, 4pm...? As you may have noticed (or you may have been part of the drama yourself), there was several fire alarms going off that

day. Even the Waterloo fire department responded to the alarm. Not once. Not twice. Three times. At least. They arrived at CPH, E3, and UWP to be greeted by a crowd of confused students.

What exactly happened that day? I was talking to one of the group of firefighters: it seems that the fire alarms were just going off that day and they were not too sure why either.

Of course, as engineers, we can always make assumptions on what happened:

1) The ECE Lab was on fire again. Apparently, a couple of terms ago, faulty

equipment in the ECE Lab started a fire that almost burned down the CPH building. If that happened, then Iron Warrior would not be publishing for a long time. Good thing they are getting new equipment from those CUTC people!

2) There is always a possibility that a disgruntled engineering student finally snapped to the pressure of school work and strain on university life... Either that, or some Bin Laden character paid a visit to UW.

3) Someone didn't study for their mid-term and... yeah. I do not recommend you

do this.

4) Burnt toast. Really really burnt. Enough said.

5) It was too hot that day and the heat set the alarm off. This is highly implausible, due to the wintery weather that we have been getting lately (May 15th was a little better... compared to Siberia).

We may never know. And do we even care? As long as we can still use our facilities, the students are happy. After all, we did pay \$5000 to suffer through this summer. I just hope we don't get a fire alarm during my exam.



Directly above: A fire truck responding to a fire alarm at Wilmot Court North (UW Place)

Top left: Fire trucks at the E3 checking up on the Engineering student projects probably.

Bottom left: Evacuated from CPH

Directly below: A fire truck speeding down University Avenue. One of many that day.



STUFF YOU SAY

Introducing Your Feds Engineering Councillors

Janet Yip

My name is Janet Yip, and this Spring term, I will be in my 4A term in Electrical Engineering. This will be my second year as your Engineering Feds Councillor, and I am enthusiastically looking forward to an exciting summer of committee meetings, Robert's Rules, and school politics.

Despite my sarcasm and mostly black clothing, I am highly approachable, and am always up for discussion on any related issues that concern you. Please contact me at jjyip@feds.ca for questions, appointments, or idle rambling.



Jeff Aho

Hi everyone! I'm Jeff Aho and I'm in my second year Mechatronics. This is my first year as a councillor, and I was also elected to the Board of Directors. I'm also the director of Genius Bowl, Diversity, and the SFF rep for EngSoc (ASoc!). We have lots on our plate for the next year and I hope we can do a good job for all of you.

You can reach me at jaho@feds.ca for anything from Feds to hilarious jokes (or incriminating evidence) about Feds President Zakrison!



Salim Eteer

Salim Eteer is entering his second year of electrical engineering and is a first-time Feds councillor. He's been involved with a number of organizations on campus (namely Imprint and Warrior Weekends). Aside from being a hardcore engineer (the local bars and clubs can verify), Salim can also be seen (occasionally sober) on the Columbia Ice Fields soccer fields. He is currently serving his mandatory co-op service in the barren lands of North Africa (to be specific, Libya) but is reachable via e-mail at seeteer@engmail.uwaterloo.ca



Rajat Suri

Rajat Suri is a fourth year chemical engineering student, and is in his second year of being a FEDS councillor. He also used to be a VP of the Engineering Society. He is the President of the Forum for Independent Thought, a student think-tank that he founded (www.uwfit.org). As a bonus, he is also astonishingly good looking... although this remains a deeply divisive issue at Council. Questions, comments and funny video links at rsuri@feds.ca



CUTC Donates Equipment for Electrical & Computer Eng

Continued from page 1

and some of the most influential technology companies from a myriad of industries. "Our conference educates Canadian undergrads about current and future cutting-edge technologies, the evolution of business and technology, and gives the

delegates and industry leaders the opportunity to interact with each other." commented Dmitriy, "Every year we bring some of the biggest names in academia and industry to the conference floor, and have built an impressive roster of keynotes, speakers and sponsors."

A brainchild of a few visionary UW students, the CUTC was founded eight

years ago to become the largest student-run conference in Canada. CUTC 2007 will be held on Jan. 11-13, 2007 at the Hilton Toronto hotel, located in the heart of downtown Toronto. Currently the conference is looking for energetic and creative people to join the organizational team. For more information, please visit www.cutc.ca/organizers



CUTC 2007 will be held on January 11 to 13 at the Hilton Toronto hotel



Sandford Fleming Foundation
E2 3336, ext 4008, sff@engmail
www.eng.uwaterloo.ca/~sff

WELCOME BACK

Technical Speaker Competition

The Faculty-Level Competition will take place on Tuesday, June 6 at 10:00 a.m. in DWE 2534. The winner of the Faculty Competition will receive \$300 while all other participants receive \$50. Please contact your undergraduate office if you are interested in participating in the Competition.

Refreshments will be served
 Everyone is welcome



Debates

Please contact your department undergraduate office if you are interested in participating in the Sandford Fleming Debates. The winners of the faculty finals receive \$100 each and the runners-up receive \$50 each.

DATE July 10, 11 and 12
TIME 11:30 - 1:00
PLACE E2 - 3324

Finals: Friday, July 14
 Noon
 Outside POETS (CPH)

Refreshments will be served at the finals
 Everyone is welcome

ENGINEERING SOCIETY REPORTS

Excited for the Summer Term



JEN CARROLL
PRESIDENT

Wow! It's school term already eh? I hope everyone had a great work-term and that you're all super stoked for some EngSoc good times over the summer.

Some events that have already happened: we had an Orifice Open House on the second Wednesday of the term - it was well attended and everyone enjoyed

their cookies. While we don't have free cookies every day, you are all more than welcome to stop by the Orifice. Whether you have photocopies to make, have a question for the exec, need to make a phone call for your directorship, or just want to say "hi", feel free to stop by any week day from 8:30-4:30.

The second Thursday of the term the CPH foyer played host to the Tool. The Tool paid us a visit in all its glory and brought along some display boards detailing its history. A lot of people stopped on their way through the foyer to see it up-close. Look out for other Tool appearances throughout the term.

We've got a tonne of great events set

to run this term and it would be great if everyone came out to them. Check out the big calendar inside the Orifice or the weekly calendar on the whiteboard to find out when things will be happening. A new way to find out about upcoming events is to ask Betty in the Orifice to see the Quick Reference Binder. Every event has a sheet in the binder giving important info about it and some contact info. Also, right in the front of the binder you can find the POETS movie schedule for the next two weeks and a request page if there are ever movies that you really want to see on a certain day.

So yeah... keep on rockin' in the free world!

Back to School



MARK TRUCHANOWICZ
VP EDUCATION

I hope all of you had great work terms and have gotten back into the swing of things. I know it's tough, especially with it being a summer term and all. But, first and foremost, I've got to say thanks to Katie Taylor and Toni Carlisle along with all those who volunteered for the solid week of Resume Critique sessions! Best of luck to all those going into the interview process this term.

Speaking of resumes, work terms and interviews, CECS has gotten rid of the Early Match system that was in place last Fall. So that means no more pulling out of the interview process early, you'll have to wait until the Ranking Days, June 9th - 12th, to submit your ranking and get your match results.

I've also got to thank Ari Taub, James Schofield, Jason Pang, and Patrick Chan for hosting a great Frosh Mentoring Meet & Greet this past Wednesday, May 16th. There was a great turnout and there's a great possibility that another one will be hosted after midterms. So all you first years, be on the lookout after midterms.

On to other business - PDEng Reps, watch out for a meeting in the coming weeks. It'll be a chance to discuss and provide feedback on your latest PDEng experiences.

Lastly, the Senate Undergraduate Council approved a motion to introduce Management Engineering as of Fall 2007. There will be one 8-Stream class with 60 students. The program was developed with the joint efforts of the Mechanical Engineering and Management Sciences departments. The program will be fully accredited by the CEAB, and exceeds all requirements by 10% with the exception of one, which it exceeds by 9%. The Faculty of Engineering has been working closely with CECS to ensure that jobs will be available for Management Engineering students. The proposal also stated that CECS will be hiring additional staff to find more jobs for all students as well as one specifically for Management Engineering students.

However, the program still requires approval from Senate, and will be voted on in the coming meetings. If you'd like more information about the program, feel free to email me or drop by and talk to me. If you'd like to express your thoughts and concerns on the program, contact either me or our Engineering Senator, Adam Schubert, with your comments.

As you can see, it's been a crazy beginning of term and this was quite the long-winded report, but that's all for now and best of luck with the term!

Welcome To Summer Term!



GREG FITZGERALD
VP EXTERNAL

EngSoc's going to be kicking it into high gear this summer with all sorts of exciting external events, so let's take a look at some of the up and comings:

Pancake Breakfasts are back! Pancakes are being sold every other Friday in the CPH foyer. \$2 for 3 pancakes is pretty much the deal of the century, and all pro-

ceeds go to 'Breakfast for Learning'. So keep your eyes out on Fridays for our team of expert flippers, and dig in!

WEC (Waterloo Engineering Competition): There are plans in the works to organize a Waterloo Engineering Competition similar to the Ontario and Canadian competitions, but, well, local to the University of Waterloo. If you're interested in helping to organize said competition, give me a shout at bsoc_vpext@engmail.uwaterloo.ca.

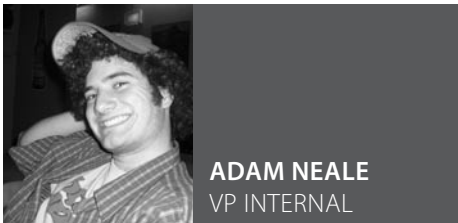
ESSCO (Engineering Students Societies' Council of Ontario): Applications for the ESSCO Annual General Meeting are now closed. Thanks to everyone who applied, and congratulations to Dan Taylor and

Graham Cranston who will be attending the conference at Western in June (along with the prez and yours truly).

CFES (Canadian Federation of Engineering Students): Waterloo will be holding a CE (Complementary Education) course in July, with the theme of Automotive Technology. The event promises to be educational, fun, and will be host to students from all across Canada, with a few European students to boot. Also, belated congratulations to Erica Waugh and Kate Kelly who were elected CFES directors at the end of last term.

That's all for now - keep it classy, Waterloo.

(Sky)diving into the Summer Term



ADAM NEALE
VP INTERNAL

I hope that everyone had a great work term and is ready to launch into another amazing spring term. Spring is definitely one of my favourite school terms, or it at least makes it into the top three...

As your new VP Internal for the engineering society I'm looking forward to making this term a memorable one. Things have already been off to a great start with the 2008 year spirit party "666 Days Till IRS Hell". Activities started off in POETS, then heated up with some hot wings at Morty's, and then got a little silly with a devilish good time at 42 Helene. DUSTED was also a rip roaring good time at Eddy's in New Hamburg. Between karaoke, darts, pool, and even

an appearance by Fido the dog, the night was definitely a memorable (or not so memorable) one. Meet the Tool Again Day was also a success; everyone had the opportunity of see the mysterious mascot in all its glory all day long in the CPH foyer, and the Tool Bearers even made an appearance at the start and end of the day to transport the 60" wrench to and from its undisclosed place of safe keeping.

Also, many of the internal directors are already working hard to bring the student body the exciting events that we have come to know and love, and develop some new ones that will make this term stand out. The semi formal directors are already working hard to make the night magical on July 15, and the TalEng directors are overcoming the obstacle of having the Bomber closed for the term. TalEng will be taking place on July 6 and the venue is tentatively scheduled as the South Campus Hall. Also, the extreme sports directors have planned what is sure to be an action packed weekend of

skydiving and camping for May 27 - May 28. A small group of brave students will be spending the weekend in Baldwin outside of Toronto, training for either a low altitude solo or higher altitude tandem jump. After the five-hour training course, the students will be able to throw caution (and themselves) to the wind and make the jump. Only time will tell what great stories will come of all these fantastic events. Of course remember, that this is just the start of our great Spring term there are still a ton of amazing events still to come, so just stay tuned, and stay informed.

Finally, if any directors are still unclear as to what it is that they are doing with their directorships, please to not hesitate to get in contact with me, I am here to help. I am in the Orifice, or close to it, most days in the afternoon and can be easily contacted via email. Also, one more time I'd just like to say welcome back, and let's make this Spring term a special one!

Mister Money Man Says...



CHRISTOPHER OLEKAS
VP FINANCE

Well, Budget Proposals were due last Friday and pretty much everyone got them in on time. The budget

should be presented at today's EngSoc meeting too much hoopla. Since it is the summer term and we have fewer people on stream it was difficult to meet the demands of everyone, however I've tried my best. At the next meeting we will be approving the budget.

On the Novelties front, we have directors opening Novelties at 11:30 and closing at 1:30 almost every day.

As I stated in the previous meeting, we now have beautiful wall clocks with the EngSoc logo as well as baseball caps and Engineering Sucks t-shirts.

As for online novelties, we've began work slowly but surely and we should have something in place by the beginning of our next term.

Other than that get your receipts in with your expense statements and I hope that you have a great term.



ENGINEERING DEPARTMENT REPORTS

Updates from the other SYDE



TANEEM TALUKDAR
3A SYSTEMS DESIGN

Ah, the glorious summer term. Students from the 1B and 3A SYDE classes on-stream are enjoying the start of what promises to be an eventful 4 months.

In the 08SYS 3B class, the focus this term is undoubtedly project-work as 4 of the 5 courses all involve group projects. These include the term's design project, for which the class has been challenged to develop product prototypes addressing challenges faced by senior citizens. A very broad range of themes are being addressed and a diverse number of products are being dreamt up.

On-campus, members of 08SYS remain prolifically active in a range of extra-curricular activities including leadership roles

in a variety of clubs, such as Engineers without Borders and the Iron Warrior. Groups for everything from salsa dancing to basketball have already been organized. The start of term Systems party was themed "Pimps, Popos and Hos" and some of the costumes that showed up belie description (one word: drag).

Meanwhile the 1Bs are in what is traditionally known as the most relaxing SYDE term, if there is such a thing. They too are active in a wide variety of on-campus activities, including the leadership and organization of Engineering Student Life 101 activities. This term is also when the 1Bs traditionally win the Scunt and this term the expectations are no less! Inter-class cooperation continues, with a recent session about co-op and Jobmine where the 3As shared their experiences and tips with the "rookies".

And finally, for the exchange students from SYDE studying in Mexico, France, Germany and Japan: we miss you and hope to see you soon!

ECE Department Grows Again



HAROUT MANOUGIAN
3A ELECTRICAL

ECE has welcomed three new faculty members since November 2005: Professors Thorstein Hesjedal, Liang-Liang Xie, and Dayan Ban. Professor Thorstein Hesjedal, from the Paul Drude Institute for Solid State Electronics in Berlin, Germany, specializes in developing tools like low-temperature scanning probe microscopes and novel scanning probes, and applying them to the assembly and study of magnetic, electronic and mechanical nanostructures. Dr. Liang-Liang Xie, who teaches me ECE 342 - Systems and Signals, has worked at the Institute of Systems Science at the Chinese

Academy of Sciences, the Automatic Control Group at Linkoping University in Sweden, and the Coordinated Science Laboratory at the University of Illinois at Urbana-Champaign. His research interests include wireless networks and network information theory. Assistant Professor Dayan Ban joins us from the Institute for Microstructural Sciences of the National Research Council of Canada in Ottawa. His wide range of research includes quantum optoelectronics devices, nano-probing techniques, infrared light-emitting devices, infrared photo-detectors and optical up-converters, quantum cascade lasers for terahertz emission, quantum dots and their applications, and photovoltaic devices.

ECE is still looking for qualified new faculty members in its never-ceasing expansion. Dr. Xie had the right idea when he stated that ECE "already has a very successful history and is going to have an even brighter future."

Just because we're in Civil doesn't mean we're civil



JENN BLACK
4A CIVIL

Located at the University of Waterloo, the Centre for Advancement of Trenchless Technologies (CATT) is comprised of representatives from educational, municipal, industrial, business and federal groups dedicated to furthering the knowledge and tools used in trenchless technology. Those involved seek to develop the technology involved with trenchless technology through research and education. The current executive director is Dr. Mark Knight, who is also a professor in Geological Engineering at the University of Waterloo.

CATT, in conjunction with the Pressure Pipe Inspection Company (PPIC), is currently involved with the Sahara© Wastewater Pilot Project in southern Ontario.

The Water Research Council (WRc)

in the United Kingdom has adapted the Sahara© leak detection system to detect leaks in wastewater forcemains under pressure. This permits the assessment of critical wastewater forcemains while the line is still in operation. This ability is especially beneficial for waterway crossings and lines through environmentally sensitive areas.

Sahara© technology has the ability to locate leaks in watermains of any type of construction and estimate the magnitude of those leaks. PPIC has effectively demonstrated the abilities of Sahara© leak detection through trials all over North America.

This summer, CATT and PPIC are looking to perform trials in municipalities in southern Ontario to corroborate the results of previous studies with respect to operational parameters and assert the suitability of Sahara© to the region.

A workshop is being held at the University of Waterloo on Friday May 26, 2006 to provide an overview of the Sahara© system, previous trials, and this upcoming pilot project. Unfortunately, this workshop is open only to municipality representatives interested in participating in the study.

Tron is Waterloo's Summer Cocktail



DAVE MIKA
3A MECHATRONICS

The spring term sees a pair of Mechatronics classes roaming the engineering halls. After finishing a rather arduous 2B term, the '08 Trons are continuing their trail-blazing role as the very first class through the program while the '10 class is aiming to finish up the trials and tribulations of first year.

From a departmental standpoint, the official name change of the Department of Mechanical Engineering to the Department of Mechanical and Mechatronics Engineering serves to recognize the growth that Mechatronics has experienced over the past few years. Due to the broad focus of the program, faculty members from a wide spectrum of engineering disciplines continue to be called upon to offer their teachings and research. Studies into the fields of microelectromechanical systems (MEMS) by professors such as Patricia Nieva, Mustafa Yavuz, and William Melek and robot navigation by professors Chris Clark and Jan Huissoon are just a few of the many initiatives being pursued. Luckily for Mechatronics students, faculty members have been generous enough to donate their time and knowledge in a series of ongoing sessions in which they share some of the notable research work being done.

Outside of class, the '08 Trons are keeping themselves busy. Participation in

school teams such as WARG and UWAFI remains strong. A new team has also been established to participate in the first-ever Sailbot Autonomous Sailboat Competition being held this summer at Queens University. The contest sees schools from across North America competing to create a vessel capable of autonomously completing an aquatic course using onboard navigation systems and sensors.

Additional extra-curricular pursuits have drawn class members into a string of clubs, committees and societies across campus. "Mechatronics students have shown initiative to get involved," comments Greg Fitzgerald, VP-External and '08 Tron, "Whether it be as a director in the engineering society, a member of one of the many Mechatronics sports teams, social outreach programs such as WIE and EWB or setting up a recreational squash ladder, Trons do it all."

Not to be outdone by their predecessors, the 1B class has also taken it upon themselves to make their presence known. More than a few of the younger Trons have become involved in a whole host of clubs and teams including the UW Robotics Team, Midnight Sun, and WARG. Proving that life at Waterloo is not all about books, they've also made a point of pursuing more social ambitions through the occasional wing night and bonfire.

If the first few weeks of the spring term have been any indication, the presence of the Mechatronics program will continue to be felt at Waterloo. The ambition and social activity of Trons coupled with the faculty's enthusiasm and dedication will no doubt develop Mechatronics into another proud facet of the University.

Chemical Engineering News



FARAZ SYED
3A CHEMICAL

What sort of engineer do you think Humpty-Dumpty would be? Personification of eggs may not be the newest or coolest idea (phonebooking probably wins that hands-down), and most engineers probably don't have breakfast often enough to know their eggs well, but check out the statement that won Petr Chladek, a chemical engineering student from the Czech Republic, the 2006 Elizabeth Paterson International Student of the Year Award:

"Canadians are like eggs: hen eggs, ostrich eggs, quail eggs, all the different shells and sizes. But inside you will always find the same fresh egg yolk. And together they form an amazing omelette of a distinct taste," says Petr Chladek, in his prize-winning letter. Competitors for the 2006 Elizabeth Paterson International Student of the Year Award attempted to depict their academic, personal, and social experience in Canada in original ways.

In other news, a few of our faculty members have also received awards lately. On May 9th, Professor Ioannis Chatzis won the 2006 Society of Core Analysts Technical Achievement Award, the society's highest honour. The

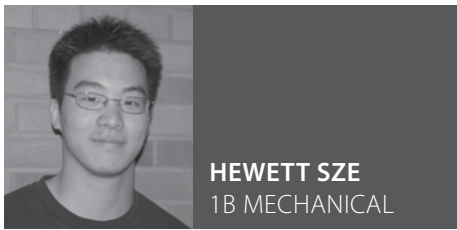
SCA Board of Directors unanimously approved Chatzis for the award, which is bestowed annually to an individual deemed to have made outstanding contributions to the advancement of core analysis technology. The SCA is a chapter of the Society of Professional Well Log Analysts (SPWLA), a non-profit corporation dedicated to the advancement of the science of petrophysics and to its applications in the exploitation of gas, oil and other minerals.

Be sure to check out the University of Waterloo Alternative Fuels Team (UWAFI) this term. UWAFI is currently developing a hydrogen fuel cell vehicle for the Challenge X competition and unveiled its modified Chevy Equinox at the CAMI Automotive plant in Ingersoll last week. As the only Canadian team in the competition, UWAFI is currently in 1st place, having picked up ten out of twelve first place awards last summer. This summer will see the second round of competition, where the team hopes to maintain its lead. Its work requires students from many different backgrounds, including electrical, mechanical and systems design engineering.

For some of the chemmies not in the know: we have a computer lab in DWE 2532 meant specifically for second- and third-year chemical engineering students. It is a code-access lab so you can hold as many 'take-over-the-world' meetings as you please. Just make sure to ask your class reps to get the code from the Chemical Engineering department.

ENGINEERING NEWS

Welcome to the Future of Flying: the Airbus A380

HEWETT SZE
1B MECHANICAL

The Airbus A380 Superjumbo jet made its debut landing in the United Kingdom at London's Heathrow Airport last week, marking a significant milestone for the world's busiest international passenger airport.

The A380 was designed as a high capacity plane to meet increasing passenger numbers flying between major hubs. When the A380 series is put into service later this year, it will become the largest passenger aircraft in the world. Sporting four Rolls-Royce Trent 900 or Engine Alliance GP7200 turbo-fan engines, it has a continuous flight range of 15000 km before it needs to refuel. The A380 is 73 m long from nose to tail, has a wingspan of 79.8 m (261 ft 10 in), and a height of 24.1 m (two decks). The A380 also has a whopping maximum passenger capacity (single

class) of 854 passengers, surpassing the world's current largest jumbojet, the Boeing 747, which seats 800.

In spite of its massive size, the Superjumbo is also more fuel-efficient than its predecessors. It is the first long-haul aircraft that consumes less than 3 litres of fuel per passenger for every 100km, which is a rate comparable to an economical family sedan.

Airbus designed the A380 in collaboration with some 60 odd airports that would require modifications to their docking piers in order to receive the new jet. Heathrow itself spent a cool £105 million on renovations to accommodate the A380's broad wingspan. The new development is 280 m long and stands three storeys high. Its design allows passengers to board and leave the super-jumbo from both levels of the aircraft.

With air travel expected to grow in coming years, the A380 will be instrumental in easing passenger congestion between airports without additional aircraft. This new addition to the Airbus fleet has been heralded as the "future of flying".



The result of multinational co-operation: A380 lands at UK's Heathrow.



The interior of the A380 brings 'classy' to a new level

Fusing Artificial Intelligence, Business and Project Management

FAHD BUTT
3A SYSTEMS DESIGN

Artificial Intelligence (AI) has long been stigmatised as the creation of robots or computer programs that perform every need of its human creator until they eventually realize their superiority and proceed to wipe us out.

That is not what 'sofia-ai' is here to do (at least not officially). Started by two engineering undergrads and two UW alumni last fall, sofia-ai focuses on making AI accessible for regular students. How did we plan on doing this? By creating a club where students of varying skills work in project teams developing AI applications for real-life problems. To make things interesting we added an extra dimension

to our club: we decided that our projects would run as case-studies with each one aiming to solve a problem faced by a fictitious company. The two alumni's would act as the "clients" and students working on a project team would be responsible in making prototype deliverables and presentations to them.

We selected our 3 initial projects to represent a variety of sub-fields within AI that have good potential for growth, each with a one year development cycle. One project involves developing a prototype game using AI for a struggling cellphone game developer. The team researched potential game ideas, proposed them to the clients, and have been working on the development of a Go board game (the idea preferred by the clients). For the second project, the team act as consultants that try to decipher distorted images of text (CAPTCHAS) that prevent spammers from creating multiple email accounts for this free email provider. The goal is to

decipher the text hidden in the images and propose alternatives which would require a smarter intelligent image processing algorithm. The third project requires a program that can "chat" with depressed patients as part of a research project for a hospital. The ChatterBot would be used as a tool to provide nurses and doctors with a report on how the patient's progress is after they talk to them. The projects are scheduled to have completed prototypes by the end of this term.

Our hope is to give students the opportunity to develop software through a multi-faceted approach. Each team has a designated Project Manager, Developers and Researchers. Not only do you get exposure to programming but you also learn valuable soft-skills that employers look for such as communicating with clients, presentation skills, and resource and time management. Our current membership draws from Engineering, Computer Science, Math, Accounting and Physics.

We'd like sofia-ai to involve individuals from different disciplines, perspectives and skill levels. We're also interested in collaborating with other students clubs and external organizations. Starting this fall we will commence on new projects and are looking for students who want to get involved in our unique approach to AI development; everything from public relations and event organization to project management and programming. Come out to our recruitment meeting this Wednesday, May 24th from 4 to 5pm at SLC 2134 to get involved! Visit our website at <http://sofia-ai.org> or contact us at sofia.ai.uw@gmail.com

Upcoming events:

Peter Van Beek Seminar on Constraint Optimization: RCH 301, Thurs May 25th from 6-7.30 pm

Larry Smith seminar on "Applications of Expert Systems to Business": RCH 307, Wed June 7th from 5-6.30pm

A unique fusion of artificial intelligence, business and project management

Engineers Without Borders May and June Events

CRISTINA RANDALL
EWB WATERLOO

For the rest of May and continuing into June, the Engineers Without Borders (EWB) on campus will be hosting a heap of events. Events range from discussions on Canada's Foreign Aid policy to Bomber nights and guest speakers.

The term kicked off with a gen-

eral meeting followed by two discussion group sessions. Affectionately referred to as Discussions Without Borders, discussion groups are weekly gatherings where students are able to debate and delve into the issues surrounding development, poverty, and Canada's responsibilities as a 'developed' nation within the global infrastructure. Sessions take place every Thursday, 6 to 7 PM in the Gradhouse or, weather permitting, on the Gradhouse green. Topics are posted weekly on the website and are often reflective of current events and themes.

Upcoming events will include gen-

eral meetings, a glow in the dark ultimate Frisbee tournament, public and high school outreach, a development build-off followed by a bomber and band night. General Meetings occur every other week on Tuesdays (the next one being May 23) and include education and development-related activities. Upcoming activities will consist of a film screening and a conference call to our volunteers overseas. Guest speakers from Medecins Sans Frontieres (Doctors Without Borders) will also be coming in to speak about their experiences on Thursday May 25 in the SLC Great Hall followed by a member

of Waterloo's Centre for International Governance Innovation who will discuss the Millenium Villages Project on June 26th.

Stay tuned for future outreach events such as at the Latitudes Storytelling Festival (Trinity United Church, Kitchener, June 10th) and at the UW Canada Day festivities as well as the Development Build-Off where participants will physically construct a contraption such as a solar dryer or a treadle pump as a device for development. Visit the EWB website, <http://www.uwaterloo.ewb.ca/>, for details. We'll see you out there!

SPORTS FEATURES

Edmonton Fans Show Us the Canadian Way



GAJAN SATHANANTHAN
1B SYSTEMS DESIGN

Hockey and Canada go hand in hand; there no doubt about that. But to me, it was the events of this past week that show how much we truly love this game. Last Sunday, in Game 5 of the best-of-7 series between the San Jose Sharks and the Edmonton Oilers, the fans in San Jose's HP Pavilion booed the Canadian anthem. The boos were almost deafening at first,

and dwindled near the end. Some Sharks fans tried to remedy the situation by singing along afterwards but the chorus of boos could be heard until the last note.

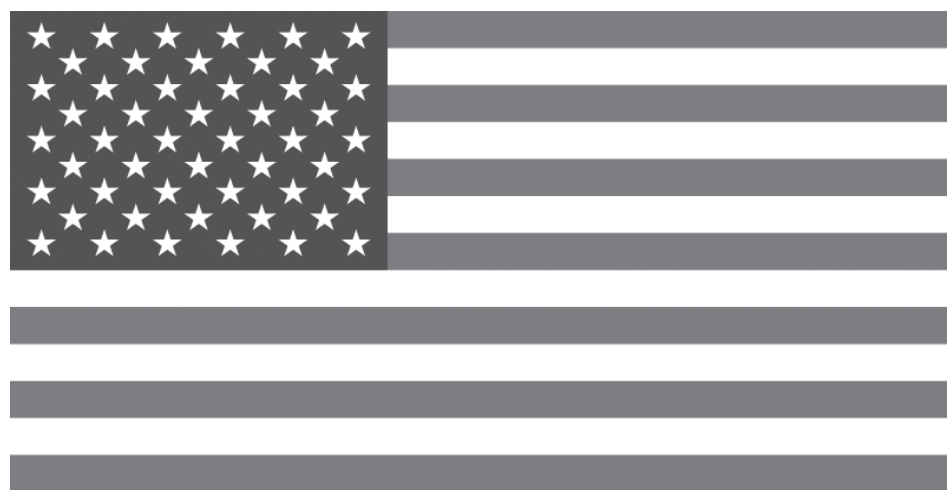
Fast-forward to Game 6 in Rexall Place in Edmonton, affectionately marked by some as the loudest playoff arena in the league. The anthems are about to be sung, with the American anthem coming up first. There is tension in the air; everyone knows that San Jose booed the Canadian Anthem. The obvious response would be to boo their anthem in return. But as the Stars and Stripes began, it was not boos that chorused around Rexall Place, but cheers! In one of the classiest moves I have ever seen in professional sport, the Edmonton fans

cheered the American Anthem. And not just cheered, some of the fans were even singing! This to me was the epitome of our love for this game. We did not stoop down to their level, but instead proved to them that we are a cut above. We would not let some child-like booing destroy our passion for our game. It was amazing, 100% Canadian, and I loved every moment of it.

Edmonton ended up winning that game, and the series, eliminating San Jose. But to me that series was won before the puck even dropped on Game 6. It was won completely off of the ice, by 16 000 citizens of this great country that decided that the game of hockey, and Canada, deserved better, and delivered.



There is more than one thing to celebrate about for these blokes.



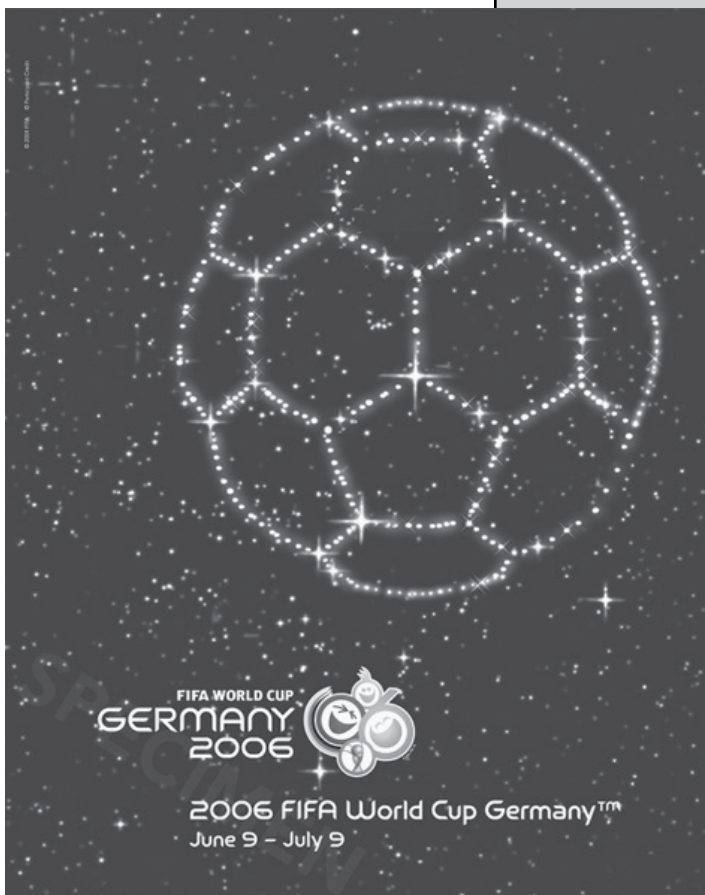
Basic German for the Football Fan

An Extremely Crude Phrasebook for Travellers to the FIFA World Cup 2006



GABRIEL CHAN
3A SYSTEMS DESIGN

This is a short list of German phrases that would be very useful if you decide to travel to the World Cup games in Germany this summer, especially if you want to start long meaningful conversations with the local fans.



<p>Tor! Abseits! Die Blamage! Die Spielverzögerung! Wer wird Weltmeister? Schiri, bist du blind? Gelbe Karte! Schiri, bist du bloed? Shiri, wir wissen wo dein Auto steht!</p>	<p>Goal! Offside! Disgrace! Time-wasting! Who will win the World Cup? Are you blind, ref? Yellow card! Are you stupid, ref? We know where your car is, ref!</p>
<p>Mann! Mist! Scheiße! Scheibenkleister!</p>	<p>Lit. Man! (You're annoyed.) Lit. Dung! (You're very annoyed.) Shit! (An all-time classic.) Lit. Window paste. (Milder version of Scheiße! As in "fudge", "sugar", "flipping heck" ..., well, you get the picture....) Ouch! That hurts. Damn!</p>
<p>Autsch! Verdammt nochmal!</p>	<p>Ouch! That hurts. Damn!</p>
<p>Hast du ein Problem? Was guckst du? Redest du mit mir? Willst du mich anmachen? Verpiss dich! Zieh Leine! Mach den Kopf zu! Mach hier keinen Zoff! Du gehst mir auf den Keks Mach' mich nicht an! Leck mich am Arsch Ja, du mich auch! Entspann dich! Komm mal wieder runter. War nicht so gemeint.</p>	<p>Got a problem? What are you looking at? Are you talking to me? Are you looking for trouble? Piss off! Go away! Shut up! Don't cause any trouble here! You're getting on my nerves. Leave me alone! Lick my backside. You too! Relax. Don't be so uptight. Calm down. Don't make a fuss. I didn't mean it that way.</p>

SATIRE

Food Review: Spam...the King of Smeats? Part 1



DAVE MIKA
3A MECHATRONICS

Looking at the pink gelatinous mass in front of me, it's hard to imagine how something so seemingly benign could become one of the most (in)famous products in modern history. It's won wars, reshaped business practices, exposed government corruption and attained a status of Americana typically reserved for the likes of Uncle Sam, Cadillac and Coca-Cola. I can only be talking about Spam, the canned ham with a reputation surpassed only by its sodium content. Over the next few weeks, it's my intention to find out what makes this meat so magical. But first, a brief history lesson.

Spam was created in 1937 as the brainchild of Jay C. Hormel, a meat packer from Austin, Minnesota. To tackle the increasing pace of home life, Hormel came up with the idea of canning ground and processed shoulder of pork (the SP of Spam), a traditionally difficult to remove cut of meat, and selling it in quantities that would feed a family of four.

During the early 30s, the "miracle meat in

a can" had a small following but it wasn't until World War II that Hormel hit paydirt. Nutritious, inexpensive and shelf-stable, Spam was often served as a backup for some of the more traditional cuts of meat. However, as the war drew on and supplies ran thin, it wasn't uncommon for soldiers to down Spam for all three meals, leading to Spam gaining notoriety as "the real reason war was hell". Field cooks proved the versatility of the meat by quickly developing arsenals of recipes aimed at Spamouflaging at least the first few bites of a meal. Despite the general disdain shown by Allied troops, the war served to spread Spam throughout the world and cement it as an American food icon.

In an effort to overcome some of the negativity developed during the war, Hormel poured loads of money into softening the image of Spam. Kitschy advertising and merchandising abounded throughout the 1950s and 1960s, an era that defined much of modern America. Even today, over 75% of the money spent on all canned meats advertising in the US (including chicken, tuna, and other ham products) is a result of Hormel promoting Spam.

The cheesiness and pervasiveness of many of these ads moved the canned pork from the shelves into the realm of comedic fodder. It became apparent that for every poster, movie cameo or jingle pursued by

the makers of Spam, there would be a cartoon or stand-up joke to counter. Of these jabs, the most famous is likely the Monty Python skit where a table of surly Vikings sing and chant the word spam whenever the name of the pink meat is mentioned (which as you can probably guess is quite a bit).

The skit eventually led to the term spamming as applied to the internet. Not unlike the Norse troublemakers in the skit, early BBS and MUD users (who like any true nerds consisted of a large portion of die hard Python fans) were known to frequently submit the text SPAM to scroll unwanted text from other users off the screen. As computers and the internet evolved, the definition of spamming grew to include the well-known act of bulk emailing as well as flooding chat channels in online games with repetitive messages.

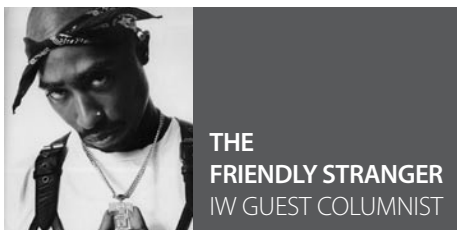
Although Spam has had its series of ups and downs, it has demonstrated a tenacity and longevity akin to cockroaches. This brings us to the Spam-a-thon: a rigorous week long test to determine the versatility and edibility of the ubiquitous luncheon meat. Unlike documentarians of the past, this study does not represent an agenda against Spam or the people of Geo. Hormel & Co. The Spam-a-thon is homage to history's most influential tinned meat and an attempt to unlock the secret

that seems to be contained in every blue and yellow can. Here are the rules I've set out for myself:

1. The Spam-a-thon will span 7 consecutive days, 3 meals per day.
2. A minimum of 1/2 can of Spam must be eaten with every meal.
3. No other meats may be consumed during the Spam-a-thon.
4. Each meal must involve a distinct Spam recipe.
5. 1 unprepared can of Spam must be eaten on Day 1.

Anyone with half a brain knows that having a Spamocentric diet with all its salt and preservatives is a sure-fire ticket to an early coronary. As a result, I'm planning on getting some extra exercise and drinking plenty of water to try and offset some of the health hazards. In the past, the closest I've come to the Hormel delight is a brief encounter with Spam's distant Canadian cousin, Kam. So yes, I am a Spam virgin which means I will have a completely objective opinion going into this trial. I expect it to be an emotional experience filled with highs and lows (most lows coming from the retaliation my gastro-intestinal system will no doubt undertake). Be sure to grab a copy of the next IW where I'll be sharing every pink, wobbly bite of the entire Spam-tastic journey.

Iron Insight from The Friendly Stranger



THE FRIENDLY STRANGER
IW GUEST COLUMNIST

Answers to life-altering questions

Everyone needs some advice sometimes. I've never found anyone better at dispensing insightful advice than myself.

Q: My life coach says I should put my pants on before my shoes. Is she pulling my leg?
- Dilemma

A: I hope life coach is a codeword for sex partner? If not, you have more troubles than knowing how to dress yourself.

In answer to your question, it doesn't matter when you put your pants on, since you are obviously the one wearing a dress in any relationship you happen to be in (whether its with your life coach? or someone else). Dresses can be put on even while wearing shoes.

Q: I keep falling asleep in class. That I don't mind, since I'm so tired from playing video games all night. But when I wake up, I find that people have stolen my milk and have written obscene phrases and comics on my notes! How do I get them to stop?
- Milky Lactation

A: Oh, Milky, there is no help for you. If you insist on coming to class, we will insist on making fun of your milky ways. We like to see your milky tears soak your notes.

Q: Last term I asked how to get sex while playing Warcraft. I want to tell that advice columnist that she's full of shit! I am not addicted to Warcraft! I barely even play it, only 8 hours a day! Less time than a full-time job. What's her problem? (the advice columnist, not my girlfriend).
- WoW fan

A: The Bearerette was right, you are a pathetic gaming addict. If you want to go beat the stuffing out of her, then go do it. Don't make me your middleman. But know that when you leave your house with your baseball bat, I will hack into your computer, sell all your character's gear on eBay for sweet cash, and steal your girlfriend away with my charms (I know that my moves can't possibly be any worse than yours; she's as good as mine already).

Or you can sit at your computer and mope about how unfair life is, and I'll still come over and steal your girlfriend. At least with the first option you get to beat someone with a baseball bat.

Q: How do you get blood out of a clown costume?
- the Bearded Lady

A: Usually someone runs to the circus to get away from one's troubles. In your case, I guess violence is innate. Well, to answer your question, bleach is a good bet. If it doesn't actually get the blood out, it will at least make it smell nice. Go for that lemon fresh scent. Make sure you use a colour-guard bleach, since you want your clown costume to remain colourful. Unless you switch over to miming.

To answer your bigger, unasked question, killing (or torture) is a popular hobby. If the Americans do it, it has to be right. No one holds them accountable.

If you actually want to escape your troubles, you have two options. Join the army; they pay you to shoot people. Join a resistance or militia; they don't pay you but you get much more freedom to pick your targets.

Q: My ME 481 proposal is due in 3 days and I haven't picked a topic yet. What do I do?
- Mecca-man

A: Plagiarize. Everything has already been done before (no one has had an original thought since language was developed) so why bother wasting your time recreating someone else's work? You know you will just be reading and regurgitating someone else's thesis. But here's the trick. Don't plagiarize anything newer than 5 years (someone might remember it) or older than 15 years (there might be language or concepts that have since been updated). Find a nice report from, say, 1999, and change the names on the cover. You're set!

Q: Where do I go now that the bomber is closed?
- Desperate for drinking

A: If you're a hot chick, then my place, baby! I've got the tunes and the drinks to keep you satisfied all night long! It's a party every night at my place. If you're not a hot chick, then I hear Kick-offs is a rockin spot.

That's all the room the IW gave me this week! Keep those questions coming in to iwarrior@engmail and I'll share my insight with you.

SATIRE / ARTS & ENTERTAINMENT

Da Vinci Coding Unwelcomed Everywhere by Everyone



GABRIEL CHAN
3A SYSTEMS DESIGN

The innovative new programming methodology developed last week has faced much criticism from many groups in recent times. The methodology was invented by Professor Dann von Braun of Yuck University. He named it the Da Vinci Coding System, because he was staring at a Leonardo Da Vinci painting in a museum when the idea kicked into his head. Da Vinci Coding puts much emphasis on open-source technologies.

Locally, UW's Campus Crusade for G33Ks called for a boycott against Da Vinci Coding and vowed to block all attempts by UW admin to add it to the computer science, software engineering, and computer & electrical engineering programs' curricula.

However, most students are indifferent about it. "Who cares what methodology we use? People will still wait til the last minute to do everything anyway?" exclaimed one student, while another says, "If Jesus was cool with Java, then I guess I'm cool with it too." Upon questioning, a student in graduate studies remarked, "But Leonardo was my favourite ninja turtle..."

Domestic industry leaders did not receive the Da Vinci Coding System well

at all. Microsoft has furiously denounced Da Vinci Coding for its socialist elements. The spokesperson for Microsoft said, "We do not recommend this open-source garbage for anyone. Sharing sucks. Microsoft can solve all the world's problems. Just go buy Windows Vista, when it comes out. I mean, if it comes out." Surprisingly, the one of the biggest supports of open source is objecting to Da Vinci Coding; IBM has instead thrown support behind the Di Lodovico Buonarroti Simoni Coding System: "IBM believes that Michelangelo was much better than Leonardo and our system will have the functionality to suit any e-business solution for most to all modern day applications in the..."

International response has not been great either. The CEO of Roman

Computing, based in downtown Vatican City, Benedict XVI remarked, "Back in the good old days, we did not rely any fancy methodology; you use common sense! One cannot afford to make many mistakes on punch cards! I think this Da Vinci Code thing is crap." The Ministry of Islamic Software Computer Sciences has condemned Da Vinci Coding as blasphemous to the cause [of software engineering] for similar reasons to Roman Computing. Mr. O. bin Laden commented, "I do not think this Da Vinci Code is good either, but I strongly recommend you not to buy Microsoft software; because of their security leaks, Uncle Sam gave me a generous present [in the form of a cruise missile] last Christmas, but being the more generous man, I did not accept it."

Book Review:

Stephen King's 'Dark Tower' Series



DAN ARNOTT
3A ENVIRONMENTAL

What do you get when you cross J.R.R. Tolkien's Lord of the Rings with The Good, The Bad and The Ugly? A reasonable approximation of Stephen King's sprawling fantasy epic, The Dark Tower. This epic series of seven books follows the adventures of Roland, the Last Gunslinger, as he searches for his ultimate goal, the Dark Tower, in a world almost, but not entirely unlike our own.

The series is Stephen King's longest work, and has taken 34 years to complete (1970-2004). I also believe it is his best. Everyone knows Stephen King as a horror writer, responsible for such gems as Carrie and The Shining, but he's really at the top of his game when he's not writing horror. The Dark Tower series is the epitome of his tale-spinning talent. It's evident from the first book that this story deeply matters to him, and isn't just some formulaic best-seller he'd churned out for money.

The story revolves around Roland Deschain, a Gunslinger from the fallen civilization of Gilead, sort of a cross between a questing knight-errant and a wandering outlaw from the wild west. His world is falling into disorder, and the Dark Tower is the only thing holding it (and all worlds, for that matter) together. Although he knows he's searching for it, he doesn't really know why. But everyone needs a quest, right? He is helped in his quest by three people from (relatively) modern-day

New York: a former heroin addict named Eddie, a legless civil rights activist with multiple personalities named Susanna, and a kid named Jake. They are befriended in their quest by a billy-bumbler (think badger/dog/raccoon with limited speaking abilities) who Jake names Oy.

And it gets better! The world through which they must make their quest is full of slow-mutants, devilgrass-addicts, robots, obstrosities vampires, Wolves, sentient monorails, demons, sorcerers, mobsters, and just about anything Stephen King can throw in their path. Characters from other Stephen King books like The Stand, Salem's Lot and Hearts in Atlantis make their way into the series. King even writes himself into some of the later books.

As you can probably imagine, the books are mostly serious but not without humour. For example, a particularly nasty villain, The Crimson King, is named after 1970s British prog-rock band King Crimson. Despite the volume of material, the books are surprisingly easy to read. They also manage to avoid most of the trappings of the fantasy genre. The good guys don't always win and, if they do, there are usually heavy losses along the way. Roland, the hero, has obvious failings, many of which haunt him throughout the books, and his naivety when he forays into our world is comical. When there's romance, it's done tastefully, and blended with enough magic and action to make it interesting. This is, after all, Stephen King we're talking about.

I can't say much more without spoiling it, but I can tell you that the quest for the Dark Tower is one on which you should embark as soon as possible. You'll be glad you did.

Music Review: New Chili's

Album Spicy but Not Quite Red Hot



DAVE MIKA
3A MECHATRONICS

Double albums tend to be hit and miss endeavours. On one hand, they provide bands with an opportunity to show off their versatility and album crafting abilities. On the other, such collections can be unfocused with the majority of tunes becoming filler between only a few stand-out tracks. Stadium Arcadium, the latest 28-song offering from the Red Hot Chili Peppers, walks the fine line between these two extremes but ultimately offers a solid and diverse summer soundtrack.

The album's 2 hour running length consists of a relatively disjointed smattering of pop tunes and ballads with the occasional funky jam to add a bit of spice. Although the majority of the songs follow the more mature Chili sound found on 2001's By the Way, there are definite throwbacks to the career defining Blood Sugar Sex Magic due in large part to the return of producer Rick Rubin. Rubin seems to possess the alchemy for getting golden performances out of each band member but falls a bit short on creating a truly memorable listening experience. Along with the issues in song sequencing, there just isn't much variety in the texturing of the instrumentation to warrant any special notice. This leaves some of the more driving songs feeling a bit deflated and lacking in energy. That being said, overcoming the relatively flat production only serves as a further testament to the musicianship of the band.

I've never been a huge fan of Anthony Kiedis vocally or lyrically but he shows distinct improvement on this album. His trademark percussive rapping style and syllabic stuttering are offset by melodic (and largely on key!) crooning on some of the softer selections. As a whole, Kiedis' vocals may not be anything phenomenal but I still find more than one of the vocal hooks peppered throughout this album becoming firmly lodged in my head. Despite this, the most notable vocal contribution to the album doesn't come from Kiedis but rather from the backing harmonies provided by guitarist John Frusciante.

I have a complete hetero-man-crush on the string section of the Chilis. It's hard to argue that there is a better musical pairing in rock music than Frusciante and bassist Flea. Individually, they can tackle pretty much anything on their respective instruments but together theres a clear synergy that is on full display on Stadium Arcadium. So much so that the majority of the album seems to be born out of jam sessions between Flea, Frusciante and drummer Chad Smith with the vocals coming as an afterthought.

When all is said and done, the latest offering from the Red Hot Chili Peppers falls slightly short of incredible due to a lack of cohesiveness and bland production. However, the 28 songs show the musical range of the Chilis and demonstrate a large reason why they are quite possibly the biggest band in the world today. Stadium Arcadium is no White Album in the grand scheme of two disc masterworks, but it will no doubt be a welcome addition to my summertime play list.

Red Hot Chili Peppers - Stadium Arcadium: 4/5

..... A realtor sees wasted land.
..... An employer sees an attempt at education.
..... A high school student sees a last resort.

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ADVERTISEMENTS WITH CATCH PHRASES MUST SUCK. FOR FURTHER
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ARTS & ENTERTAINMENT

Games Review:
Age of Empires III

What has 100 legs, 50 rifles, and the will to fight to the last man? A brigade of Streltsy (Russian guardsmen), as they swarm into your town and obliterate what used to be a thriving city.

Interested? You should be.

What makes Age of Empires III so great compared to its predecessor, and what makes it such an entertaining game overall? Is it the chance to manage your economy and expand your economic power and influence? No, you can do that in Civilization 4. Is it the ability to send massive armies, 1000 strong, not caring if any (or all) of them ever make it out alive? No, several other games accomplish that feat. Age of Empires III gives you the chance to combine both economy and military, in order to accomplish a greater goal.

What sets Age of Empires III apart from other games is also its focus on historical accuracy. You can personally direct and build a thriving colony, train an army, and raid your opponent just as our ancestors would have done, if given half the chance. While Russian Expeditionary Forces may not have encountered the Turks in the Rocky Mountains, Age of Empires III allows you to go that extra step and see what would happen if they did meet.

Age of Empires III features an engaging storyline, following the descendants of the Black family across three generations, and the struggles they engage in as they attempt to uncover the secret of the mysterious Circle of Ossus.

Age of Empires III in skirmish mode allows the player to take direct control of a small colony in a certain location in North America, be it the Yukon, New England (Maine, Vermont, etc), or even the Caribbean. Building a colony from the ground up, you have control over what direction you want to take. Do you dare risk economic supremacy, only to have it wrestled away by an overeager and militaristic tyrant? Do you dare to train an army as quickly as possible, in order to overwhelm your enemy, only to meet a hasty doom as your troops are mowed down by your technologically superior enemy? The choice is yours to make.

With 5 different gaming modes to play on (from the aptly named "Sandbox" to the difficult "Expert" level), you will most definitely be challenged, whatever your skill level. Early players will find the Sandbox a good place to start and experiment with the game, in order to see how different actions yield different results. The sandbox is also a good place for more experienced players to test a new civilization or strategy. As each difficulty level increases, computer AI becomes more cunning, trying new tricks that seem almost human! On a whim, my teammate and I decided to try playing on the hardest difficulty setting available: Expert. Below is a screenshots from a pivotal moment from that very game.

The game smoothly blends military might and economic power in one complete package. Players can play online on the Microsoft hosted "Ensemble Studios Online", or across the internet through a direct connection. Overall, the game marks an improvement over its predecessor, both in its implementation on a more hands-on approach, and a more realistic "look and feel". Give it a try today!



The opening menu of AoE III featuring the Russian "Home City".



A redcoat musketeers regiment waiting in ambush in New England.



Settlers mining silver (for coin) to finance their fledgling colony.



Dispute over fishing grounds escalates into an exchange of cannonballs.



CLASSIFIED

Movie Screening Times

Princess Twin
46 King Street North, Waterloo
tel. (519) 885-2950

Brick
(PG) [1:50] Premiere 7.5/10
Fri: 4:05, 9:05
Sat: 1:30, 7:00
Sun: 2:30, 9:05
Mon, Tue: 6:50
Wed, Thu: 7:00

Lucid
(14A) [1:29] Premiere 8.4/10
Fri, Sun: 7:00
Sat: 9:25

What the Bleep!?: Down the Rabbit Hole
[3:36]
Sat, Sun: 3:50

Blackballed: The Bobby Dukes Story
[1:31] Premiere 6/10
Sat night: 11:30

Metal: A Headbanger's Journey
(14A) [1:36] 6 weeks 8.7/10
Mon, Tue: 9:10

The Three Burials of Melquiades Estrada
(14A) [2:01] 11 weeks 8.2/10
Wed: 9:20

Awesome: I ... Shot That!
Thu: 9:20



Princess Cinema
6 Princess St. W., Waterloo
tel. (519) 885-2950

Kinky Boots
(PG) [1:47] Premiere 9/10
Fri, Sat, Sun, Mon, Tue, Thu: 4:45, 7:00, 9:15
Wed: 1:00, 4:45, 7:00, 9:15

Thank You for Smoking
(14A) [1:32] 6 weeks 8.2/10
Every day: 5:00

Friends with Money
(14A) [1:28] 5 weeks 5/10
Every day: 7:10

Art School Confidential
(14A) [1:42] 2 weeks 8.8/10
Every day: 9:00

Akeelah and the Bee
(G) [1:52] 4 weeks 9.1/10
Sat, Sun: 2:15

The Wild
(G) [1:22] 6 weeks 6.8/10
Sat, Sun: 2:00

Galaxy Conestoga Mall
550 King St. N., Waterloo
tel. (519) 883-8843

The Da Vinci Code
(14A) [2:29] Premiere 6.2/10
Fri, Sat, Sun, Mon: 11:30am, 12:00, 1:00, 3:00, 3:30, 4:30, 6:30, 7:00, 7:30, 8:00, 10:00, 10:30
Tue: 3:30, 4:30, 6:30, 7:00, 7:30, 8:00, 10:00, 10:30
Wed, Thu: 6:30, 7:00, 7:30, 8:00, 10:00, 10:30
Fri, Sat, Sun night: 11:00

Over the Hedge
(PG) [1:36] Premiere 9/10
Fri, Sat, Sun, Mon: 11:45am, 12:15, 1:15, 2:15, 2:45, 4:00, 4:45, 5:15, 7:15, 7:45, 9:45, 10:15
Tue: 4:00, 4:45, 5:15, 7:15, 7:45, 9:45, 10:15
Wed, Thu: 7:15, 7:45, 9:45, 10:15

Mission: Impossible 3
(PG) [2:06] 3 weeks 7.7/10
Fri, Sat, Sun, Mon: 12:45, 3:45, 6:45, 9:55
Tue: 3:45, 6:45, 9:55
Wed, Thu: 6:45, 9:55

Poseidon
(14A) [1:39] 2 weeks 7.9/10
Fri, Sat, Sun, Mon: 1:25, 4:25, 7:25, 10:25
Tue: 4:25, 7:25, 10:25
Wed, Thu: 7:25, 10:25

Just My Luck
(PG) [1:52] 2 weeks 7.5/10
Fri, Sat, Mon, Tue: 3:35, 6:35, 9:35
Sun: 3:35, 6:35
Wed, Thu: 6:35, 9:35

R.V.
(PG) [1:38] 4 weeks 7.5/10
Fri, Sat, Mon: 1:05, 4:05, 7:05, 9:50
Sun: 1:05, 4:05, 9:50
Tue: 4:05, 7:05, 9:50
Wed, Thu: 7:05, 9:50

Ice Age: The Meltdown
(G) [1:30] 8 weeks 8.6/10
Fri, Sat, Sun, Mon: 12:35

WWE: Judgment Day
Sun: 8:00

FOR SALE

MSCI 311 textbook
Hodge et al., "Organization Theory: A Strategic Approach", 6th edition, ISBN 0-13-033064-7 - price negotiable
Contact: g2chan@engmail.uwaterloo.ca

FOR SALE

HP deskjet 3820 Printer for \$35 -available for pick-up anytime
Contact: (519) 721-6017 or kmirsaeidi@shaw.ca

FOR SALE

Samsung SyncMaster 955DF 19" CRT Flat monitor for \$55 -available for pick-up anytime
Contact: (519) 721-6017 or kmirsaeidi@shaw.ca

FOR SALE

Goldstar 1.1 Cu. Ft. Microwave for \$35 -available for pick-up anytime
Contact: (519) 721-6017 or kmirsaeidi@shaw.ca



Sandford Fleming Foundation
E2 3336, ext 4008, sff@engmail
www.eng.uwaterloo.ca/~sff

WELCOME BACK

Technical Speaker Competition

The Faculty-Level Competition will take place on **Tuesday, June 6** at 10:00 a.m. in DWE 2534. The winner of the Faculty Competition will receive \$300 while all other participants receive \$50. Please contact your undergraduate office if you are interested in participating in the Competition.

Refreshments will be served
Everyone is welcome

Debates

Please contact your department undergraduate office if you are interested in participating in the Sandford Fleming Debates. The winners of the faculty finals receive \$100 each and the runners-up receive \$50 each.

DATE	July 10, 11 and 12	Finals: Friday, July 14
TIME	11:30 – 1:00	Noon
PLACE	E2 - 3324	Outside POETS (CPH)

Refreshments will be served at the finals
Everyone is welcome

French Universities in Trouble

Continued from page 1

duced a labour law that would allow employers to hire new graduates on a two-year probationary basis. The intention was to encourage employers to hire young workers, and to decrease unemployment.

Instead of embracing the changes, students responded with outrage. They viewed the act as discriminatory and rejected the



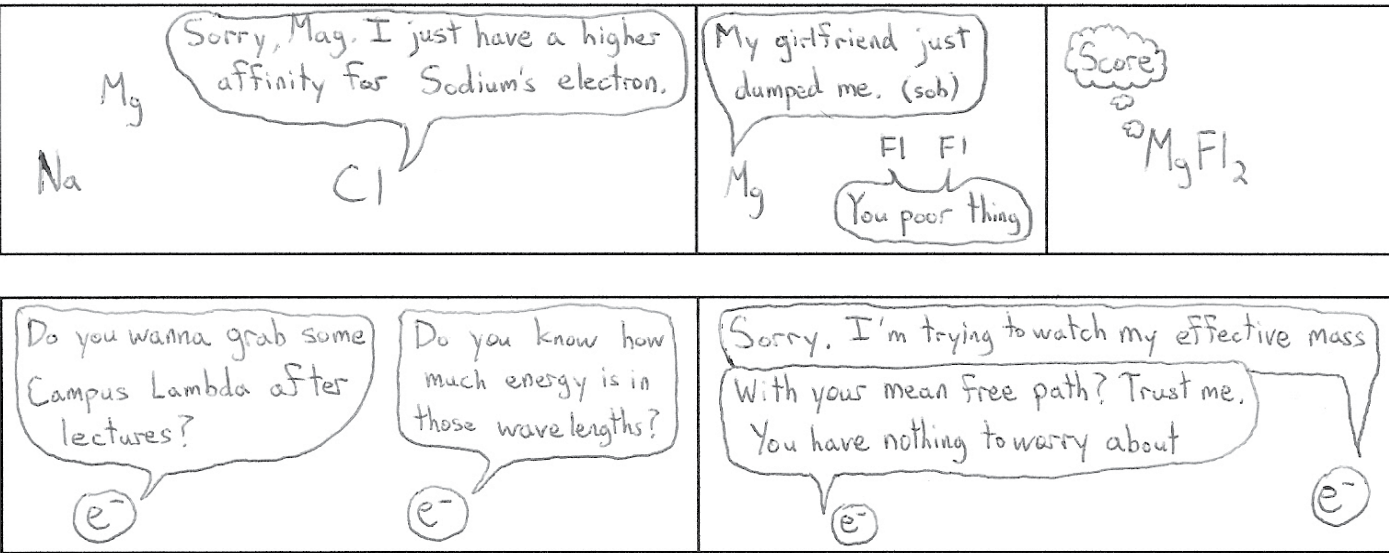
L'Université de Paris

government's attempt to "Americanize" the labour market. Massive protests ensued for months, with students in many French cities taking to the streets. The French government was crippled by the student action, and was forced to retreat.

In Canada, students see education as a worthwhile investment. While our student associations generally issue an angrily written press release in response to any tuition increases, it would take a near-apocalyptic incident to cause Canadian students to take to the streets in any form of concerted protest. Students here can be relatively confident of finding a job after graduating, and are willing to pay some of the costs of their education, even if it means graduating with some debt.

Unfortunately for the French, change does not come easily. Restructuring their education system and improving employment opportunities for graduates will require major, fundamental changes. But with a student population intensely resisting any such move, and a government that lacks the political nerve to push reforms through, change will be a long time coming.

HAROUT MANOUGIAN
3A ELECTRICAL



At the Movies

TANEEM TALUKDAR
3A SYSTEMS DESIGN

"but I don't want to see An Inconvenient Truth; I'm not in the mood today for the world ending;

I do care, no, don't get mad, I care, but I just..."

a path of thorns sown (did anyone see, could anyone have changed anything?) and we, the generation of its Reapers are yet still with eyes shut tight

How did it fall apart? An enigmatic history for a foreign future.

(eyes shut tight now; hush baby, hush baby, it's gonna be alright)

an inconvenient truth
some say, some scream, do not go gentle into the night! alas, drowned by the Noise (where's the remote, change the channel)

An Inconvenient Truth is in theatres this summer



the Iron Inquisition

Philip Newman, 3A Systems Design

What should be done about the goose surplus on campus?



"Go infect them with bird flu and get the WHO to remove them."
- Vova Naoumov, 1B Systems



"Fudgesicle."
- Erica Waugh, 2B Civil



"Run over them with bikes."
- Dan Weiser, 3A Computer



"Who's hungry?"
- George-dah, 2B Civil



"Shoot them down."
- Sait Anabtawi, 1B Mechanical



"Light them on fire dude."
- Glen Kurtie, 3A Mechatronics



"Our teams are in dire need of mascots."
- Greg Fitzgerald, 3A Mechatronics



"Plant sex hormones off campus to lure them away."
- Gobind Johar, 1B Systems