skulebook 1T1
volume two the engineers
Table of Content

Graduating Class of 2011

Chemical Engineering 79
Civil Engineering 83
Computer Engineering 87
Electrical Engineering 90
Engineering Science 95
Industrial Engineering 100
Mineral Engineering 102
Mechanical Engineering 103
Materials Engineering 108
Grad Comment 110
Advertisements 121

Chem Chair 42
Chem Club 43
Civ Chair 44
Civ Club 45
ECE Chair 46
ECE Club 47
Engsci Chair 48
Engsci Club 49
MIE Chair 50
Mech/Indy Club 51
Min Chair 52
Min Club 53
MSE Chair 54
MSE Club 55
Class Reps 56

Formula SAE 60
Association for Wildlife Protection / Astronomy and Space Exploration Society 62
Blue Sky Solar / CSChE 63
CESA 64
Concrete Canoe / Consulting Association 65
Eng F.A.N.G / ECC 66
Engineers in Borders / Engineers Without Borders 67
Iron Dragons 68
NSBE - Dance Battle 69
UTSDC / Skule Arts Festival 70
Sustainable Energy Fair / Sustainable Engineers Association 71
Web Startup Society / UTRA 72
Skule™ Orchestra 73
Skule™ Stage Band 74
Brass Ring 75
Dean of Engineering
Cristina Amon

It is my distinct honour to congratulate you, our class of 1T1, and now our newest Skule™ alumni from the Faculty of Applied Science and Engineering at the University of Toronto.

For over 137 years, countless people across Canada and around the globe depended upon the technologies, devices and systems developed by our very own alumni. These contributions help sustain our Faculty’s reputation as a leader in education and research committed to enabling our students reach their potential as global engineers equipped to face society’s most pressing issues.

The 2010 Times Higher Education World University Rankings placed U of T Engineering 1st in Canada and confirmed our position among the very best engineering schools in the world. Our sustained excellence attracts outstanding students – like yourself – and internationally renowned faculty members who guided you through your rigorous education.

You have invested a remarkable amount of time, learned and applied a great amount of knowledge and committed incredible energy to your studies. We are proud of all you have accomplished. With your Engineering degree, you have the tools – and the responsibility – to make a significant difference in the world, and along the way help further distinguish this Engineering Faculty as a world-class leader. To do this, you must continue working hard, take risks and never stop believing in yourself.

In turn, you can rely on the vital Skule™ networks and friendships you established here to assist you through the next phase of your life. Your fellow alumni span an extraordinary range of disciplines and are located across the world. Yet we remain a close-knit community of dedicated engineering scholars who continue to reshape our increasingly interconnected society.

Now as Skule™ alum, I ask that you think of our next generations of students as you build your careers. Please stay in touch. Think of our Skule™ as a resource and a community that you can continue to turn to, to draw strength from, and to support in the future. Please hold on to the friendships you have made with your classmates and professors, as you build your lives and your careers.

Once again, congratulations! We look forward to hearing of your future achievements.

Cristina Amon Dean, Faculty of Applied Science and Engineering

Vice Dean Undergraduate
Grant Allen and Sanjeev Chandra

This year the role of Vice-Dean, Undergraduate has been shared by two of us, Professors Grant Allen and Sanjeev Chandra, and we would both like to congratulate the class of 1T1 and welcome them to the select group of individuals that can call themselves UofT Engineering Alumni. This is a tremendous accomplishment that you should take great pride in. We hope that you have found your time here to be rewarding and one in which you have experienced significant personal and professional growth. Though we realize that sometimes the challenges and expectations in our programs seem daunting, we are confident that the many positive life experiences and friendships will be what you carry forward as you reflect back on your days at UofT.

Graduating outstanding engineers that can continuously learn, innovate and adapt to make positive contributions to the ever-changing world is the most important thing that we do as a Faculty. You are also our greatest ambassadors. Our faculty and staff are all very proud to have played a part in guiding you through your studies and helping you to realize your potential. Wherever your career takes you, you are all well prepared to be leaders in meeting the significant economic and environmental challenges facing our society today.

Special thanks to the student leadership, both to the Engineering Society and to our many affiliated clubs; your efforts have enriched the experience of the many students in our Faculty. We continue to count on these leaders to provide a student’s perspective on the many issues that arise each year. Several initiatives have been accomplished this year at a local, provincial, national and international level. Your student representatives also have served on several committees this year including being part of our committee on developing graduate attributes and another on facilitating international exchanges. We look forward to working with next year’s leadership in continuing to enhance the student experience. We look forward to hearing about your contributions as you do your part in building the reputation of your proud Faculty. Please keep in touch with us, your classmates, and your alma mater. Remember to make the most of your education and help us to help those that come along after you.

In turn, you can rely on the vital Skule™ networks and friendships you established here to assist you through the next phase of your life. Your fellow alumni span an extraordinary range of disciplines and are located across the world. Yet we remain a close-knit community of dedicated engineering scholars who continue to reshape our increasingly interconnected society.

Now as Skule™ alum, I ask that you think of our next generations of students as you build your careers. Please stay in touch. Think of our Skule™ as a resource and a community that you can continue to turn to, to draw strength from, and to support in the future. Please hold on to the friendships you have made with your classmates and professors, as you build your lives and your careers.

Once again, congratulations! We look forward to hearing of your future achievements.

Cristina Amon Dean, Faculty of Applied Science and Engineering
It is with great honour that I recognize the accomplishments of the Engineering graduates of 1T1. Since your time at university began, Engineering has introduced many minors, certificates, professional and exchange opportunities to complement your core studies, and most of you have participated. These opportunities have prepared you for a new path of discovery, in graduate school or entering a career, where you’ll be relied upon to offer interdisciplinary solutions to global issues.

As you embark on this next stage, remember that you are supported by the strong foundation built right here, at Engineering. The students and faculty you met here will remain an indispensable network, one that you’ll rely upon throughout your career and throughout your life. The relationships you’ve built over your time in this Faculty speak to the intangible benefits that go beyond the buildings and classrooms and make your university experience special.

My role as Faculty Registrar for the Faculty of Applied Science and Engineering puts me in regular contact with students and I take pleasure in the opportunity to watch you succeed. While the Office of the Registrar strives to make a positive impact on the student experience, know that you, the students, have had a similarly positive impact on us. Your outstanding performance in academics, leadership and spirit encourage and impress those around you, myself included.

As a graduate of U of T Engineering, you join a worldwide network of over 40,000 alumni, many in leadership roles in industry and academia. You now join this legacy, this proud tradition of Engineers. Your years at the Faculty represent great accomplishment, both professionally and personally, and I am so pleased to have served as your Faculty Registrar and participate in this significant occasion.

The Engineering Career Centre (ECC) Staff wish to extend warm congratulations to the graduating class of 2011. As you embark on this exciting, and sometimes, uncertain time, take courage knowing you’ve come so far and prepared for a life of challenge, growth, and fulfillment. And though you are stepping out, know that our door is always open. We would love to hear how you are doing and if needed, offer any insight. Again, congratulations!

The ECC serves to prepare all undergraduate engineering students for their future careers as well as alumni within two years of graduation. The ECC has extensive experience with career development preparation and student support to ensure a productive and successful experience that will enhance the individual’s success and contribution to the profession and society. Working towards this objective, the ECC runs various programs and services to connect Engineering students with opportunities within industry. The ECC counsellors and staff are available throughout the year to meet with all engineering undergraduates and recent alumni.

The Engineering Career Centre student development model focuses on the individual development of each student, by introducing them to the dynamics of an employment relationship, so as to develop an awareness of their potential and contribution as they chart their career path upon graduation. This is achieved through Development Workshops, Seminars, and individual appointments, which are available throughout the year. It is an intense process that requires commitment to participate in the individual and group sessions.

Engineering Career Centre 45 Willcocks Street, 2nd Floor, New College Residence
To the Graduating Class: Congratulations and welcome to the prestigious group of over 41,000 Skule™ alumni. You join a highly motivated and successful group of graduates who live around the world. They are CEOs, entrepreneurs, lawyers, doctors, humanitarianists, volunteers, mothers, fathers, and grandparents. They are changing our world on a daily basis, and they are - and always will be - Skule™ engineers.

Our alumni generously give back to Skule™. From scholarships and awards, to research centres, labs, and the very buildings you have studied in - your student experience was enhanced in many important ways, because of the support from the students who walked these halls before you. This year many of you left your mark at Skule™ by donating to the Skule™ Graditude Campaign. This campaign allows current students, namely the 4th years to give back in a way that is meaningful to them. As a proud Skule™ alumna and donor myself, I couldn’t have been more proud to see others sharing how I feel about Skule™.

Our alumni give back in other important ways as well – volunteering at the University, Faculty or departmental level, and/or participation in events. I’m confident you will find a way to stay connected with Skule™ too. You have received an education ranked amongst the best in the world and #1 in Canada. It is my hope that during your time here, you have had meaningful experiences and made many lifelong friends, and that you never forget that you’ll always find a home here at Skule™.

With this, it is an honour to officially welcome you into the elite and world-renowned group of Skule™ alumni.

Sonia De Buglio Chem 9T4, Associate Director of Alumni Relations & Annual Giving
It has been a long roller-coaster of a Skule™ year in 2010-2011. Many great events have happened and many great people have this a memorable and historic year. Though at times it has been stressful and tiring, I am extremely honoured to have served as your President this year.

In the past months, we have reached significant milestones for the Engineering Society – we created a new Board of Directors to improve the function and efficiency the Society; we experienced unprecedented growth in our commercial operations with Stores' online book sales, Hard Hat Cafe's first financially sustainable year, and Suds’ vastly expanded selection, new kegs, and large-scale events; and we have greatly strengthened our relationship with other engineering schools across Ontario, from the founding of the Ontario “Triple D” Cup to the hosting of PEO-SC and an 8-school graffiti party.

Undoubtedly, we have had a great year for Skule™ - but none of this would have been possible without the amazing help from my Vice-Presidents – Ryan, Abhishek, Yi-Wei, Mauricio, and Albert. They have all put in long hours into making Skule™ an amazing place. Our Directors, of course, have also put in a lot of excellent work and should be thanked immensely for carrying out all our projects though I am unable to name them all individually in this space.

I must also extend a great thanks to our Business Manager, Barbara Ellenson, who has decided to retire after eight great years of service with EngSoc. She has been like a mother away from home for us and our predecessors for all these years, and has supported and helped us through many great and not-so-great times. For the bulk of the last decade, Barb has been the face of the EngSoc Office, and we will miss her sense of humour and motherly touch for years to come.

Looking back on my five years of Skule™, I have learned a great many things from my experience. Much of this I have learned outside the classroom, from running organizations and planning events. As I graduate from our storied Faculty, I will always cherish the memories of the times I had with the Band, many great bus trips, and the satisfaction of finishing projects for EngSoc.

It is important to keep in mind, for those who still have a ways to go before the end of their journey at Skule™, that our student experience is not simply about rankings and grades and lectures – but that our deepest connections and strongest memories will be forged by our experience with clubs, great events, and the people we meet who share our common interests and vision.

For my fellow graduates and soon-to-be-graduates, I will hope to see you all in the great unknown of the ‘real world’ – and may our great success at Skule™ continue well into the future.
VP Finance

Ryan Bradley, EngSci 1T2

Hello Skule™!

First and foremost, congratulations on finishing a full year of schoolwork and Skule™-work! You’ve had a busy eight months and now you have certainly earned a four-month break at home to relax and unwind!

Next, I would like to take this opportunity to thank all of my internal directors for the amazing amount of work they have put in this year and the fantastic results that they have produced! In no particular order, thank you to Suds Managers, Ian and Deniz, for putting on some amazing events, like an interschool Graffiti Suds which brought in students from all over Ontario to experience our pub. Further, I would like to thank Stores Managers, Layjan and Dan, for ordering new Skule™ merchandise and organizing online textbook sales, producing record revenues. Next on the list of commercial operations, congratulations to Donnie and Gibran for making the Hardhat Café profitable for the first time in its history! On to my other directors, thank you to Sandra and Wacy for organizing two amazing dinner dances in Cannonball and Gradball. In particular, Wacy deserves a big round of applause for stepping in to the Gradball role midway through the year, and running an excellent event! Finally, I’d like to thank Jon for his job with sponsorship. Sponsorship is a difficult role that is extremely undervalued, he has spent so much time on cold calls to make sure major Skule™ events are well-funded.

Finally, I’d like to talk about some of the projects that have been completed over the course of this year, both by myself and by this year’s Officers as a whole. For example, we have reformed our Engineering Society Board of Directors to reduce bureaucracy and increase efficiency. Further, I have improved some efficiency in my role, by moving up the Student Levy Fund timeline, helping introduce new changes in some of our commercial operations, and documenting the transition of the role, which has never been done before.

To sum everything up, this has been an eventful year; it’s been hectic, stressful, challenging, but most of all it has been fun. Thank you for giving me the opportunity to be your VP Finance! I hope that I’ve done something to improve your time here at Skule™, which was one of my goals when I started my position. I hope you have a great summer and I will see you all in September!

VP Communications

Abhishek Mathur, MECH 1T2

Dear Skulers,

This year has been quite an exciting one for sure. A lot of things happened in such a small time period. From redefining the position of VP Communications, to starting up the first F!rosh Leedur Handbook, to rebranding Skule™ and the Engineering Society, to working on social media and bringing back the plasma screen.

I would like to take this opportunity to thank everyone who I have worked with this year. The Officers for working as a team and allowing me to take on additional projects such as PEO Student Conference and F!rosh Week. A special thanks to Kevin for helping me out with some of the communications projects such as Plasma Screen and Skulepedia. Thanks to Maegan for producing a fantastic F!rosh Handbook, Hubert for getting a great Skule Planner out before Orientation, Navid for keeping your team together even through some rough times, Michelle for releasing the Skulebook before the beginning of exams and Nicole for producing great Cannon issues! Also to Valentin for producing a phenomenal website, Rishi for starting up photos.skule.ca, Hubert for initiating renovation plans and Rafal for doing all the back end stuff and Communications Committee for starting out the Adobe tutorials.

A lot has been accomplished this year and I can confidently say that this has been one of the better years. Next year, the Society will be quite different from this year, as Barb will be leaving and a new employee will be taking her place, a new Board of Directors will deal with all the bylaw and policy changes, while the Project Directors will deal with their specific projects only. A new constitution was written which will be followed by the Society for the upcoming years. It’s been fantastic, and I have enjoyed my time working as the Vice-President Communications and a second time officer. So long office, see you at Orientation!
1T0-1T1 has really been a great year for the Academic Portfolio. We managed to revamp our tutoring database, expand our course examination repository, and we are in the process of creating a brand new Summer Research Job Database. This year, we managed to run the largest ever UTEK, our attendance for the University of Toronto High School Design Competition (UTHSDC) has grown three-fold, and our You’re Next 2011 Career Fair continues to experience constant growth!

I gave some thought about what I enjoyed most about being the VP Academic of the Engineering Society. I realized that the most enjoyable part of my job was the people that I have met this year. To Frosh: It was a great pleasure meeting you during Frosh week. It has been great seeing how all of you have successfully made the transition to the university life. I would like to thank you, Frosh, for being a source of inspiration for me. Your constant supply of Skule™ Spirit and dedication to the Faculty of Engineering continues to remind officers like myself about who we are truly helping in our respective roles.

To Graduates: Congratulations on finally getting your iron ring and your degree! It has been a pleasure to have worked with many of you over the past year on various projects of the society. Thank you all for your leadership and guidance for many of the projects that I have embarked on. Best of luck in the real world!

The successes of the academic portfolio this year could not have been achieved without the support of many of the faculty members, directors, and class reps that I have worked with. Thank you all for the support that you have provided this year!

What a year it has been!

It has been a blast representing the Engineering Society’s nearly 5,000 members at the Engineering Student Societies’ Council of Ontario (ESSCO, “provincial EngSoc”) and the Canadian Federation of Engineering Students (CFES, “national EngSoc”) this year.

This past year, I sought to realize the untapped potential of the VP External role to actually help implement best practices from other schools here at U of T, make ESSCO and CFES valuable between conferences, settle our issues with the UTSU, and document it all every step of the way.

I hope that several years from now our successors will be as proud of this year’s accomplishments as we are – the Skule™ Endowment Fund, Council reform, the Skule™ Points re-evaluation, and the addition of new plasma screens are major ongoing projects where we benefitted from knowing how other schools carry out similar operations. There’s a national Wiki being developed with info on what EngSocs across Canada do and how, so we can learn from other schools throughout the year. The UTSU issue is finding closure as we seek opportunities for collaboration instead of confrontation. We hosted a 400-person inter-school party like none other and showed 6 other schools what we’re capable of when we pull together our resources, people and efforts.

More important than any list of accomplishments are the people who helped us along the way. I could not be happier about the group of people I got to work with this year, especially my fellow Officers - you have been a team I will miss being a part of. You have taught me there is nothing a dedicated team can’t do without enough determination, a sound plan, and a willingness to listen to the input of others.

I entered the position of VP External with a few ideas and some curiosity over just how many people EngSoc can be valuable to. I am leaving the position with great enthusiasm over what Skule™ is capable of, and countless new friendships. I will never be able to thank the Officers, EngSoc, ESSCO, and Skule™ enough.

To those who, like me, are embarking on another year of Skule™, there is a world of opportunity here beyond our classrooms. Take these opportunities, take risks, and discover that there are skills you can only gain when working with others outside the controlled environment of engineering education.

Another year of opportunities awaits!
I can still remember the day that I first came into office with such clarity that it’s hard to believe that a whole year has already flashed by; I guess that’s what happens when you’re always busy. But, I guess it’s time for me to do some reflection.

First and foremost, I’d like to thank the enthusiastic Directors under the Student Life portfolio, Aki Azfar (Student Issues Director), Roshan Thanapalan (Skule Points Director), and Owyn Notario (Orientation Chair). Although it was a very rocky year for us, the fact that you all brought passion and genuine drive to what you do, makes it easy to say that I’m proud of working with you all.

Second, to the other Officers, although our tolerance for each other may have gone up and down with the flux in stress, I’d like to think that we got a lot done this year, and all of the craziness aside, it was one memorable ride.

Thirdly, on a personal note, I’ll be the first to admit that I was far from being the best VP Student Life, and equally far from being the best Officer. I can say however, that for everything I did, whether it was to push student experience in the Faculty’s strategic planning, or to attempt to streamline the clubs affiliation process, to look into addressing sexual diversity issues, or advocating for individual clubs when they needed it, it all came from a sense of passion, and more-over, a sense of societal duty. I’ve always been a firm believer in the fact that people don’t need to hold titles to be great catalysts for change. You don’t need awards, to be leaders, and you don’t need certificates to have skills. All you need is to be willing to take risks, stay true to what you believe in, and have the will to persevere, all the rest will follow.

And so lastly, to every member of the Skule™ community, I’d like to thank you for inspiring me to work for something, ranting and raving, letting me know that I’m not alone in thinking that this Faculty and the Engineering Society are far from perfect, and that some things are worth trying to fix, no matter how impossible it may seem.

Although this may be the end of my term as VP Student Life, it’s far from the end of my journey for personal growth and to make some meaningful change here; I hope that each and every one of you takes that message to heart, that you pursue what you believe in and be shocked at the power of your own will. There’s more to Skule™ than school, so go on and show the world what Skule™ means to you.

The Archivist is the caretaker of the Society’s history and traditions. In this, our 125th anniversary year, it is more apparent than ever that our Society’s rich history goes far beyond what the six filing cabinets in the Archives can hold. Even so, the sheer volume of documents – literally a century of newspapers, yearbooks, handbooks, calendars, photos, and about a decade of smelly Frosh T-shirts – is overwhelming.

Throughout my term, I’ve been working slowly, but surely, to provide more historical content online. With the founding of Skulepedia.ca by Kevin P. Siu, we’ve taken a big step forward in compiling our collective knowledge of Skule™ history somewhere that will be accessible to future generations. With the introduction of photos.skule.ca and SkuleTube, we’ve endeavoured to provide students with more cohesive, centralized access to photos and video of awesome events happening now and in the past.

This year, for the first time ever, I am pleased to be able to make archived recordings of Skule Nite available to the general public.

It has been a great pleasure to serve as your Archivist, and I hope that all of you will continue to not only honour our traditions, but also to build new ones.
Chief Returning Officer

Milos Uskokovic, MECH 1T0+PEY

During the past five years that I have spent at school I have had a chance to get involved in many activities and clubs. One of my favourites however has been the position I held this year as the Chief Returning Officer. The position has allowed me to not only get involved in student government but also to meet many new people from a variety of years and disciplines. As a graduating student I have also been able to use this as an opportunity to look at the future of Skule™ and at those who will lead us to ever greater achievements. As such, it’s time to pass the torch on, but I do look forward to many happy returns to this great place. To everyone graduating with me I leave you with these words: “This is not the end. It is not even the beginning of the end. But it is, perhaps, the end of the beginning.”

Moderating this year’s council meetings was full of passing motions, making amendments, and shutting people up. Special thank you goes to the officers for organizing and helping facilitate the meetings. As well thank you to all those who attended, with an honourable mention to those who stayed until the end. Thanks to Alvin Ho who filled in for me when I couldn’t make it and for helping me throughout the year.

I’ve enjoyed my time as speaker, but honestly must say it’ll be nice to voice my opinion and not have to remain neutral anymore. Best of luck to next year’s speaker who will be chairing the new Board of Directors’ meetings and hopefully never having a problem with reaching quorum.

Speaker

Zoriana Workun, CIV 1T2

Hey!

I’m Valentin. I was this year’s Webmaster Director and I worked with skule.ca throughout the year. Highlights of my work include a new shiny redesign of skule.ca, and tutors.skule.ca - an easy way for undergrad students to find an upper year mentor. I’d like to thank all of the officers for their encouragement and support, and Mr. Rafal Dittwald, without whom many of the best parts of skule.ca would not be possible. Finally, in case you were wondering: in my spare time, I enjoy drooling over new models of smartphones and commercial aircraft, as well as eating mango, broccoli cheese soup and playing soccer and tennis.

Webmaster

Valentin Peretroukhin, EngSci 1T2

Sys Admin

Rafal Dittwald, EngSci 1T1

ssh sysadmin@skule.ca

sysadmin@skule.ca’s password: **

Welcome back, you have 237 new emails.

# purge-emails

237 emails purged.

# echo “req-dist: /dev/null” » /etc/aliases

# exit

I haven’t been receiving complaints, so I assume things are running fine... or maybe my inbox isn’t forwarding, which is just as well. Alas, the new server is a-serving, email’s are mailing, firewall is blocking, the tubes are not clogged, etc. Thanks to Valentin, Kevin and Rishi and any others that have picked up my slack. Here’s to uptime!
Ombudsperson
Huda Idrees, INDY 1T2

Feedback - a word that’s so overused that it’s lost its meaning. Remember when the words “I love you” actually meant something? Yeah, I don’t either. Feedback is like those three words. Everyone says it and they want you to think they mean it, but really, how can you tell how sincere they are? Feedback is the backbone of the success of any student government. The sooner our students learn that we take it seriously, the sooner they can start to benefit by giving us their input. The role of the Ombudsperson is one that is highly underestimated not only by the student body, but also within the Engineering Society. It’s not just about handling conflicts, it’s also about advising the society as a whole. There is much that can be done with the position to help shape student experience. For example, I ran two Skule censuses this year. This was done to put student feedback into effect as soon as possible. I think it worked, let’s hope it continues to do so in the future as well would like to thank Kevin, Yi-Wei, Ryan, Albert, Mauricio and Abi for a wonderful term and Bart for being so awesome and maintaining sanity in the office.

Community Outreach
Nitia Cooke, INDY 1T2

Community Outreach was loads of fun this year! During the fall, we held a raffle at Suds to raise money for the CIBC Run for the Cure. With this and our Skule™ team we raised $2,500. Special mention to Olivia Pasquarelli who managed to raise $1,500! Then came Movember, which brought back moustached gentlemen to Skule™, and included the participation of Professors Grant Allen (CHEM), Beno Benhabib (MIE), and Jason Bazylak (MIE) who also judged students’ moustaches during Movember Suds. We raised a total of $5,000 and Professor Allen shaved off his goatee for the cause!

Godiva Week came and went and left behind a total of close to 4,000$ raised for the Canadian Cancer Society through events such as the Charity Date Auction, Stores Auction, and Charity Car Smash. We also hosted blood drives every semester so students could give up pints of their blood on a regular basis. Not to mention, Skule hosted a food drive for the Toronto Daily Bread in late November/early December, complete with a gravy train that had a stay in City Hall and later on Front Campus.

I’d like to give special thanks to our Suds managers Ian Parker and Deniz Karadadas who managed to get various prizes donated for both the raffle and for our finalists in Movember and were a great help throughout the whole year. Also, thank you to Peter Falmadinos and Joel Musial for doing an amazing job MCing the Charter Date Auction! Great job Skule™!

Skule Points
Roshan Thanapalan, ECE 1T3

Skule™ Points is an awesome system in place to reward students for getting involved in the Skule™ community. You get Skule™ Points by attending events like F!osh week, Godiva Week, Suds events, Blood drives events etc. Essentially the more points you collect the bigger and better prizes can be attained or even multiply prizes.

A big part of Skule™ Points is the S-Team, who are a group of volunteers that are the backbone of the system promoting the brand and keeping the administration side in check. Skule™ in general is a big family that has many different things it can offer you. So take the first step and come out to any and all events next year see what we can offer you.

You can visit the Skule™ Points website at points.skule.ca and you can go there to check out what prizes you can get or what you get Skule™ Points for.

So do yourself a favour: get involved, and experience greatness.

Huda Idrees, INDY 1T2
Nitía Cooke, INDY 1T2
Roshan Thanapalan, ECE 1T3
Jonathan Ng, ECE 1T3
Professional Development Director
Saminur Majumder, MECH 1T2

Working closely with the Engineering Career Center (ECC), I have started this year with Clubs Day Event in collaboration with the ECC. This was to increase awareness of the various services offered to the students by the career center and how they can benefit from them in the future. This was a new initiative as it hasn’t been tried any previous year. Fall begins its journey with the preparation of the Career Information Days which is a career fair for students, where potential employers from different sectors of the industry flock to meet students and inform them of the wide possibilities of employment in their firms. This serves both as an information gathering and networking opportunity for the students. As the overseeing director and representative of the Engineering Society, my duties encompass recruitment of volunteers, training of volunteers and overseeing of the three day event.

In addition to this there are technical workshops that are organized to help undergraduate students enhance their technical skills in software packages – MS Excel, MS Access, AutoCAD and LabVIEW. This Starting from interviewing student trainers to reviewing material to be trained also entailed the duties of the Professional Development Director. Besides the software workshop series, the initiative of bringing all Engineering Research jobs on campus on one database to be easily accessible by students as the core of the projects undertaken. This is being done in collaboration with the Faculty, all different departments and the Engineering Society.

Hi-Skule Liaison
Prachy Mohan, MECH 1T2

This year, the You’re Next 2011 Career Exposition was a great success. In only its second year as a student run initiative, over 2000 University of Toronto students and alumni went through aisles of the Examination Centre surrounded with companies looking to hire eager engineering talent. At many points in time, aisles were filled from booth to booth in what is a space normally reserved for large scale academic examinations. 32 companies were ready to recruit and next year promises to be even bigger.

The You’re Next Career Fair is an opportunity for University of Toronto students and alumni to explore their futures and hone networking skills that are instrumental in the development of their careers. The value in this type of event cannot be understated. Apart from the hard work and dedication needed on the part of the organizers and faculty to prepare such a large scale event, there is always something that can be taken away. With companies such as Microsoft, Nest, Applanix, and NVIDIA on the line, it is important that we not come out of the event without a plan to improve skills in software development and inform them of the wide possibilities of employment in their firms.

Furthermore, You’re Next is a special platform where the core of students/alumni, faculty and professional employers can work together to allow companies to grow their presence on campus and provide U of T talent employment at the same time.

Career Fair Director
Art De Guzman, MECH 1T1

UTEK Director
Freddy Chen, ECE 1T3T1

The University of Toronto Engineering Competitions (UTEK) is an exciting one day event filled with design challenges, novel ideas, and brilliant presentations. UTEK is an opportunity for engineering students to showcase their team work, communication, and problem solving skills to qualify for a position to represent U of T at the Ontario Engineering Competition (OEC). This year, UTEK was held on Saturday, January 8th in the Bahen Centre for Information Technology (BA).

UTEK has six different competition categories: Junior Design, Senior Design, Consulting Engineering, Parliamentary Debate, Innovative Design, and Engineering Communications. Design challenges this year included a water transportation system, prosthetics with sensory components, and a health status monitoring system for elderly citizens. Innovative Design competitors brought amazing design ideas, including a solar panel designed to track sunlight, Engineering Communications competitors brought engaging presentations, including an introduction to how software is becoming more prominent in structural design and analysis.

Thank you to all the students who participated in UTEK this year! I really hope you all had fun and learned from the competitions. I would like to give a special thanks to all the volunteers and judges who made time to help out with the competition. Most importantly, I would like to thank all of my wonderful executives for working so hard to make UTEK such a success. Thank you so much!
Cannonball Chair

Sandra Sousa, ECE 1T3

This year’s Cannonball was held at Atlantis Pavilions and was an incredible evening for the 350 students who attended. The food was delicious, the entertainment was absolutely impressive, and dancing was the perfect way to end the night. We were very fortunate that a few members of our faculty, who have contributed so much to the students of Skule™, were able to spend the evening with us. I would like to thank Ryan Bradley for all of his help with planning the event and being such an excellent source of advice. Of course, Cannonball wouldn’t be the vibrant, tradition-filled event that it is, if it weren’t for the talented Stage Band, the spirited LGMB and the Mighty Skule Cannon who were able to make an appearance as well. Cannonball is so awesome because it has a way of uniting all sorts of different circles of students, here at Skule, and I hope it continues to do this for years to come. I had a great time planning this event and I’d like to thank all of you who joined us! I hope to see you at next year’s Cannonball!

Stores - Finance

Layan Kutob, INDY 1T2

Honestly, I can’t get my mind wrapped around the idea that my term in managing the Stores is coming to an end… giving back to the Stores and the Engineering Society has never, nor will ever be enough! Running the Stores has been such a wonderful and rewarding experience, which I’ve enjoyed and learned a lot from. Throughout the year, the Stores was able to expand its operations beyond the traditions, especially by expanding to online marketing. Some of our highlights include launching online textbook sales & catalogue, and bringing in lots of new SKULE™ merchandise to promote our spirit.

I would like to take this opportunity to thank everyone who has helped in running the Stores from the bottom of my heart. A special thanks to my co-manager, Dan, who has supported me and worked hard all throughout the year; and to our lovely employees whose commitment ensured the success of keeping the Stores run smoothly. Barb, thanks for your guidance and dedication, it has helped keep us on track. Ryan, thanks for being very supportive at all times and for being very open to our ideas; it has been a motivation to us all throughout the year. Kevin and Cyrena; thanks for working with us on one of our biggest projects, online sales, which has been a huge success. Last but not least, I would like to thank all the people who have volunteered during peak times; it is really appreciated. Wishing the new managers and everyone else the best of luck!

Stores - Operations

Dan Liu, MIN 1T1

Cannonball Chair   •   28   •   SB1T1

OK, so I’m no longer the 250IBs fat meatball who rolled around a lot, but I still love life, people, Mars, and of course, our Engineering Stores! It’s full of fond memories of interesting people, regardless if they are real humans or just a dummy. I also learned a lot from all the EngSoc members; they are simply… “AWESOME”! (Forgive my limited vocab; I’m an engineer so with!) Everyday, when I was sitting along in the Stores, and watching the sun disappearing into the horizon using my imaginative eye (btw, Stores need a real window like ASAP; future managers should really work on that!), I always wonder about the same meaningful question of life: What should I eat tonite? I’m allowed to talk about personal development here right? Still short of 200 words anyway. I’ll say that I got no regrets for my 4 years of engineering. Although the education mainly came from off-book sources, it’s been a fun and meaningful experience. I’ll miss my dear friends and the time we spend together a lot; I love you all. Now, let’s shed the tears of parting, put on joys for the future, with hope we shout together: CHARGE~! (Geiliah~! =)

I would like to take this opportunity to thank everyone who has helped in running the Stores from the bottom of my heart. A special thanks to my co-manager, Dan, who has supported me and worked hard all throughout the year; and to our lovely employees whose commitment ensured the success of keeping the Stores run smoothly. Barb, thanks for your guidance and dedication, it has helped keep us on track. Ryan, thanks for being very supportive at all times and for being very open to our ideas; it has been a motivation to us all throughout the year. Kevin and Cyrena; thanks for working with us on one of our biggest projects, online sales, which has been a huge success. Last but not least, I would like to thank all the people who have volunteered during peak times; it is really appreciated. Wishing the new managers and everyone else the best of luck!

Stores - Operations

Dan Liu, MIN 1T1

Gradbail Chair

Wacy Su, CHEM 1T1

After years of hard work, we finally received the well deserved Iron Ring. This calls for a party! Gradball is a huge celebration for the Engineering students to immerse themselves in the happiness of Graduation. This year the Gradball was held at the heart of downtown, The Hilton. The charming ballroom was decorated to a classy theme of Victorian Era. We had amazing guest speakers such as the president of the Engineering Alumni Association and the Vice Dean to give students some words of wisdom for the future. The Engineering Stage Band and the DJ provided amazing music throughout the night for students to dance the night away. Gradball 1T1 was a memorable night. Thanks to everyone who contributed to the success of Gradball and I wish the best of luck to the class of 1T1.

Stores - Operations

Dan Liu, MIN 1T1
Cafe - Finance
Donnie Yee, MECH 1T2T1

Well, we did it…we brought the cafe back to life.

When I was elected to be the finance manager of Hard Hat Cafe, I was told by everyone that there were no expectations and that my only job this year was to break even. Well screw that, why break even when I can make a profit? And that’s exactly what Gibran and I did. It’s been a challenging task, turning what HHC was last year to what it is this year. The journey was long, the work was hard, but in the end it’s all worth it to see everyone in the pit eating bowl noodles and drinking Jones Sodas.

I couldn’t have done this without the help of my amazing dedicated operations manager, Gibran Kichlu, thank you for all the countless hours you’ve put in. Thanks to Kevin, Ryan and Cyrene for all the guidance you’ve provided. Thanks to my junior managers, Tracey and Karez, for stepping in when I don’t get enough sleep. Thanks to my marketing team Vince and Rachit for getting our name out there, we all know where to get bowl noodles from now. Thanks to all my dedicated employees, always providing a service with a smile and never dropping a shift. Finally, thanks to Bart, for all the time and work you’ve put in to helping us succeed.

I feel like I’ve accomplished something very special this year, I’ve finally gotten rid of those damn Oreo Cakesters.

Cafe - Operations
Gibran Kichlu, MECH 1T2T1

SUDS - Finance
Denizcan Karadadas, INDIY 1T2

Suds had an outstanding performance this year. Even before frosh week, we get 2 more beers on tap, expanding our selection and our sales volume. We were open every day during Frosh Week and Godiva Week. We outsold previous year’s sales after Godiva Week, and tripled the “best sales in one night” record. Even though the costs kept going up, we kept the same prices, and tried to do our best to serve our beloved student body.

Other than the numbers, Suds built up its reputation to be the coolest student-run bar, not just in U of T, but in all Ontario. That alone was worth all our time and effort, as there were also opportunities for us to understand how lucky we are for having our very own student-run bar. It has been a great pleasure and an unforgettable experience to host remarkable events like Dance Club Suds, Fiesta Suds and Graffiti Suds in the atrium, and I hope everyone had a lot of fun and memories at Suds this year.

I would like to thank my co-manager, Ian Parker, for his efforts and dedication to Suds. Also, I’m deeply grateful to our “advisor” Cyrene Wu, our “boss” Ryan Bradley, and all our servers for their help and support throughout the year. It has been a great pleasure to work alongside all of you.

SUDS - Operations
Ian Parker, MIN 1T2

So another year has come and gone and there is one thing I have to say to everyone in Skule, never let tradition trump innovation! Far too many times have I seen people just do the same thing year after year with no thought of improvement or trying new things. When I ran for Suds Operations Manager I had one idea in mind, to create a Suds that no one has seen before, for better or for worse. Skule is a living, growing and ever changing community, and our events should reflect that diversity.

Our biggest accomplishment this year was most likely the Black Light Graffiti Party Suds where we not only threw a kickass party for our fellow Skulamates, but for every school in southern Ontario! It was a huge success and I would like to thank everyone who made it possible, I would list all your names but I’m only allowed 200 words.

A big shout out to my Co-manager Deniz, if you weren’t there I would probably have wanted to kill myself.

Cheers!!!
publications
Ah, The Cannon. The more ‘serious’ of the two Skule newspapers. This is the general definition given for this amazing paper. Honestly, it’s not a very good description. There’s no way to encompass the amount of work that goes into producing the paper every month, on time, looking professional. The Cannon staff works over weekends, forgoing homework, free time and sleep, to bring everyone the news from the previous month of Skule. It’s been an honour to have work as editor this year, despite all the effort that sometimes seemed fruitless.

When I first started classes here, I had no real interest in joining a student council, or running anything. I was just here to go through school and get my degree to do something that interested me (as sad as that sounds). I had joined the Cannon as a writer, because it was something I could do on my own at home, but still be extra-curricular. However, after the persuasion of last year’s editor, my friends and my family, I decided to run for this position last April. I must say, it was something like I expected, and yet nothing like it at all. I’ve been able to make a lot of friends that I wouldn’t have had before and I’ve gained experience I would never have had.

Running a newspaper is not as easy as it seems, and the last thing I want to do is forget about the people who helped out along the way. First, I have to thank the people who encouraged me to do this. I have to thank all of my writers, whether they wrote constantly or only once, who dealt with last minute notices, lots of revisions, and spam mail. There are also the photographers who went out and got awesome shots that made the paper look great. There are the officers, who I’m sure made their best effort to send in reports on time. Lastly, there’s my layout staff who stayed up late in EngCom’s windowless walls, fixing big mistakes and tiny typos with me to produce the final paper. It wouldn’t have been as great a year as it was without all of you, and I wish you all the best in your futures!!

Nicole
"Hey Navid, what's the Toike up to tonight?"

"The same thing we do every night, dear reader. Try to take over campus!"

What a year it's been! Laughs and food and fighting Maclean's and a birthday party that left us all wondering what exactly we did for a one week stretch nobody can remember… Is the Toike going to put a rocking chair on its porch, find a sturdy cane, and turn 100 with grace? For now, the answer seems to be a resounding NO. The Toike's pushing back retirement cause the world is crazier than ever, and someone's gotta point at ridiculous things and crack a joke.

Of course, the real heroes are the wonderful Toike staff (also the Gotham Police Force, but mostly the Toike staff), both old timers and newcomers pitched in to make some great issues. Thank you to everyone who helped out, you have my gratitude, and I'll be giving you all that special prize I promised. I hope you all like…GOLD STARS! Holographic too!

If you made it this far, congratulations. The stuff on the opposite page must be really boring. Kidding. You should read it. This book's filled with cool things that happen at our Skule and I'm honored to have been part of that. I encourage you to come saddle up with our outfit and help make the next 100 years spectacular.

Navid Nourian, Spr Editor-in-Cheese

The Lovely Toike Staff:

Billal Sarwar, Bely Wong, Aaron Shindman, Jeremy Shindman, Andrew Jerabek, Natalija Pavic, Che McWaters, Adam Fontana, Misha Stecyk, Vijay Unnithan, Amir Ahmad, Adam Hurthig, Jeffery Yap, Tommy Ye, Thomas Parker, Aaron Peever, Cyrus Lau, Matthew Dolowy-Rusch, Luca Gerace, Amanda Bell, Peter Raimondo, Nilson McPhail, Luke Helt, Bryan Thompson, Jonathan Sun, Renato Dambrosio, Raymond McTaggart, Bari Cooperman, Abhishek Mathur
When I see the price that you pay I don’t want to grow up. I don’t ever want to be that way. I don’t want to grow up. Seems that folks turn into things that they never want. The only thing to live for is today. - The Ramones

There are a few people without whom this book would not have come to be. To Betari Prakoso, thank you. Jocelyne Chan, thank you. Waisze Lam, thank you. Andrew Park, thank you. To all of the contributors, thank you.

To all of the others behind the scenes, Abhishek Mathur, Hubert Ka, Jonathan Ng, and everyone else mentioned in the book, thank you.

To all of the others behind the scenes, Abhishek Mathur, Hubert Ka, Jonathan Ng, and everyone else mentioned in the book, thank you.

Working on the F!rosh handbook was the perfect conclusion to one of the best years of my life. To the next Handbook Editor, I hope you have as great a time with this book as I did.

And a final message to all of the F!roshies:

You won’t stay F!rosh forever; make the most of it while you can.

Maegan Chang ECE 1T3T1
discipline
clubs
Chem Chair

Message from the Chair of the Department of Chemical Engineering & Applied Chemistry.

Challenge, Contribution and Community. These are the hallmarks of our Department.

First, we seek to offer our students a challenging educational experience. If you wanted the easiest route, you would have chosen another institution. Instead, you chose to study chemical engineering at the University of Toronto because you sought a rigorous education that would prepare you for real world situations. I believe you will find that your studies in our Department have prepared you well for the challenges you will face upon graduation.

Second, we seek to make a major contribution through our research and learning. Through research, we are finding solutions to pressing problems that confront industry, human health and society at large. In our teaching, we have sought to provide you with the necessary skills so that you too can contribute. It is our expectation that you will leave this Department ready and willing to make your own contributions to the world.

Finally, we value community. That includes our immediate community, namely our Department – including students, faculty, staff and alumni. However that also includes recognizing the communities we serve; be that locally, nationally or internationally. Celebrate and honour your community through your service.

To the members of our Department who will graduate soon and depart the University, I not only wish you well, but I issue you a challenge: Live The Three C’s. Always seek new challenges; find opportunities to contribute; and, faithfully serve your communities. As alumni of our Department, you are our best ambassadors. I am sure you will represent us well!

On behalf of the faculty and staff of the Department I wish you success, health and the joy of a well-rounded life with friends, family and your community.

-Professor Doug Reeve

Chem Club

Chem Club is the go-to resource for chemical engineering student needs. We make every effort to support the chemical engineering student body both academically and socially. The events we organize are open to all including Barbeques and Smokers (book exchanges). Our main event of the year, the Annual Dinner Dance held at the Toronto Marriott Bloor-Yorkville, was a massive hit. This sold-out event was based on a ‘Chemmy Awards’ theme and involved several professors and staff as well. Juhn Pellazar (Social Director) and Samoil Vohra (Vice-Chair) went the extra step to ensure everything ran smoothly. David Castelino (Fundraising Director) is currently organizing our Annual Charity Talent Show, from which donations will go to UNICEF. Nikita Desai (Secretary) recently organized a Charity Bake Sale that raised money for Haiti. A new initiative called PennyWars, run by Saeed Kaddoura (Fourth Year Rep) and Ajay Kochhar (Second Year Rep) will also help this cause.

Bobby Doroudiani (Athletics Director) is running an engineering-wide basketball tournament. He has also created new events such as a Bike Day and Cricket Day. Mehrzad Khan (Junior Athletics Director) has helped out in running football, squash and ping-pong tournaments. A fun and interactive video game tournament was also conducted, thanks to the efforts of Meraj Shah (Common Room Manager) and Akash Kaushal (Second Year Rep).

Sameena Mulam (Third Year Rep) will be organizing the ever-so-important Iron Ring Party in addition to helping out with other events. Ishan Gupta (First Year Rep) has done an excellent job to involve first years in Chem Club events. Our PEYers are kept in the loop by Sami Khan (PEY Rep). This year, our website was revamped and is maintained well by Cathy Shi (Webmaster). Finally, two important people in the team are Rosanna Kronfli (Advertising Director), who ensures our events are well-promoted through posters and emails, and Rolan Lewis (Treasurer), who keeps our accounts in order so we can fund our awesome events.

-Stephen Pinto (Chair)
I'd like to extend my sincere congratulations to the Engineering class of 1T1. It has been inspiring to watch you grow and gain confidence as you progressed through your programs toward graduation. You are now embarking on a journey that will take you to different places, career paths, and experiences. I hope that you make the effort to stay in touch with each other. You'll find in a few years that a trip down memory lane is a wonderful experience. I'd like to share with you some lessons and insights that I've gained from my own journey. They are embodied in five rules that I modify regularly, but here they are as they exist today.

1. Take responsibility for yourself and your actions. Sometimes that means admitting a mistake or taking a difficult and lonely stand for something you believe in. Most importantly, don't dwell on a mistake, but make darned sure that you learn from it.

2. Never stop learning. This means professionally, personally, environmentally, socially, and any other perspective you desire. Keep your mind and body fit and alert.

3. Be kind to the earth. As engineers, you are in a position of leadership and influence. Always consider the impacts of your decisions on the environment and society, and make the necessary changes to minimize negative impacts. Take responsibility.

4. Get/stay involved. Join a special interest club to meet people from different walks of life. Send an email to a professor just to say Hi.

5. Have fun. Life is surprisingly short, and you want to make sure that you maintain a balance that provides you with satisfaction. Enjoy your job. Love your family.

I wish you all the excitement, growth, and satisfaction of a successful life. Stay in touch and look after yourself. But most of all, congratulations! We're very proud of you.

-Brenda McCabe, PhD, PEng
It is my sincere hope that, as you look back on your time as an undergraduate, you will come to realize what a great education you received in our ECE department and what a great time you spent at the University of Toronto. Our goal is to prepare you for a successful engineering career and, as you will find, for a life-long process of learning.

I have been department chair since July 2009 and I consider it my job to keep the department on course towards a great future, both in terms of teaching and research. On the teaching side, we will continue to maintain and improve our undergraduate flexible curriculum. We also hope to make improvements in our graduate curriculum, especially our professional masters program. In the years ahead, you may find it useful to participate in this program yourself. On the research front, we are working to strengthen our research operation in new and emerging areas, and to facilitate the creation of bold new research initiatives. We are also working to increase our visibility on the research front, on both the national and international levels, and to strengthen our collaborations and links to industry and government.

Finally, I am working to strengthen our activities in the areas of advancement and alumni relations. We have over 5000 alumni in the GTA alone. We want to tap into that great network of professionals, for the benefit of our students and our programs. As you graduate and enter the workforce, we hope to remain in touch with you and to seek your advice. You should consider our department as your “home”, and you are always welcome to visit. We hope to benefit from your expertise in the years to come in order to help mentor our students, to help us with courses and design projects, and generally to help us grow the relevance and strength of our, and your, ECE department.

-Farid N. Najm

Message from the Chair of the The Edward S. Rogers Sr. Deptment of Electrical & Computer Engineering.
Dear EngSci Grads:

It has been an honour to serve you and your class of 1T1 and 1T0+PEY as Chair of the Division of Engineering Science this past year. As Engineering Science students, you have been immersed in a world of intellectual challenge and mutual encouragement since you arrived at Skule™. Each of you has helped create and foster the incredible community that we call EngSci. You continually impress all of us at the University with your pursuit of excellence—both in your academic studies as well as in the arts, sports, outreach into the community, and other leadership activities. It is this energy and drive that is truly the Spirit of EngSci. As you prepare to leave EngSci and move on into the next phase of your life and career, I hope the Spirit of EngSci will remain with you and help in some way to enrich the rest of your journey through life and the lives of those around you.

-Will Cluett

Message from the Chair of the Division of Engineering Science

The EngSci Club had an amazing year and is proud of its many accomplishments. This year’s highlights include a fantastic dinner dance at the Grand Luxe Boutique, which featured incredible decor, a gourmet dinner, flair bartenders, and a live cover band! The dinner and dancing were enjoyed by students and professors alike, and was a truly memorable event.

During Godiva Week, our rock-solid chariot came 1 metre from finishing 1st. Let’s leave it at that.

During Reading Week, the EngSci Club brought 70 students to the slopes of Mont Tremblant for a fun-filled, eventful ski trip. When we weren’t skiing, we were in the hot tub, eating good food, and enjoying the casino.

Finally, thanks to the incredible generosity of EngSci 1T1 and 1T0+PEY students, a total of $2727.30 was raised for the annual Graditude Campaign, which will go towards funding new initiatives for students in the coming year. As a reward, graduating students were treated to a fantastic FeO celebration at Molly Blooms.

I am happy to have served the EngSci Club as Chair, and am looking forward to hear about the many future accomplishments of the EngSci Club in years to come.

-Raphael Sammut (Chair)
The department of Mechanical and Industrial Engineering strives to be a leader internationally through its cutting-edge research and education. 2010 was no exception, and was a year of noteworthy accomplishments.

In the past year, the department has taken on a series of new projects and initiatives. The weekly Seminar Series have a line of internationally renowned scholars, entrepreneurs, and key industrial players coming to the department to present their work. We also launched the new Industrial Engineering Capstone course, a program that allows IE students to gain hands-on experience by collaborating with industry partners on innovative projects. We are now in the process of establishing a capstone design course for the Mechanical program to be launched in the fall of 2011.

Physically, the department underwent a major renovation for a new Student Service Centre located in the main hallway of the mechanical engineering building. The new service centre will provide better services and accessibility to students. A new MIE banner, with the theme of “Where Minds Meet Machines” inspired from the department’s banner contest winner, was erected on the front wall of the Mechanical building.

Outside of the classroom, our students remain active in the department’s many extra-curricular clubs. Mech Club, Indy Club, ASME, Formula SAE and Leaders of Tomorrow, among others, organized a series of exciting projects and events throughout the year that garnered widespread student participation.

This year marks the 50th anniversary of the Industrial Engineering Program at UofT – the first of its kind in Canada. A series of celebration events have been planned including a monthly seminar series sponsored by Canadian Tire and a symposium and gala dinner at the Royal York Hotel on September 24, 2011.

Congratulations to the MIE graduating class of 0T0+PEY and 1T1 for your hard work and accomplishments! Keep in touch and let us know where your career takes you.

We will continue to build a world-class department for top-notch education and research. To achieve this, our alumni play a vital role. Keep your mailing and email address up-to-date (address.update@utoronto.ca) so you can keep informed about the department and our many alumni events.

Best wishes,
Jean Zu

The Mechanical Engineering Club (Mech Club) represents the entire undergraduate Mechanical Engineering student body at the University of Toronto. The peer-elected student executive members are the main points of contact between the students and wider faculty, bringing concerns and issues to attention. Aside from the academic and course support, the club also strives to enhance the social aspect of engineering. In fact, this year proved to be a successful one for the club. The annual MIE Dinner Dance – themed “Back to the 50’s” this year was an energetic, dynamic event, and quite possibly the best in recent memory! This year was also a year of many firsts for the club.

A professional speaker series allowed students to gain MIE Department certificates of participation. A new logo and hoodies unique to each class year encouraged class unity. The first ever Mech Club basketball team had a strong season. And as always, exciting events such as free shinny, the ski trip, pick-up soccer and class year socials helped to round out a successful year for the club. The Mech Club would like to thank all of its executive members and Mechanical Engineering students for a memorable SkuleTM year.

Wow, has the year gone by fast. It seems like just yesterday Indy Club was ramping up for another year of Skule, and now we’ve just finished celebrating Iron Ring. I suppose that’s what happens when you’ve got a year jam packed full of amazingness!

Of all the exciting activities we’ve put on this year, a few stand out. As usual, the MIE Dinner Dance was an absolute success and was an amazing time for both faculty and students. Because of demand, we were able to offer our free business courses run by Deloitte twice this year, and still continued to fill up extremely fast. This year, the Indy Career Series was introduced, which gave Indy students an opportunity to learn about the different opportunities available after graduation. One of the most notable changes this year was Indy Club’s merger with the U of T Chapter of the Institute of Industrial Engineers. Indy Club’s first year officially running IIE was extremely successful – many of us travelled and represented U of T at the annual IIE conference, which was held in Montreal.

Of course, Indy Club wouldn’t be successful if it wasn’t for the energetic and hardworking executive who have dedicated so much of their own time to make this year as amazing as it’s been. Thanks to all of you and best of luck to everyone!

- Samantha Yang (Indy Chair)
This year the Mineral Engineering Club decided to celebrate all things mining. And it really was a great year. Think of all the exciting events that happened relating to mining last year: the record high price of gold, the rescue of the Chilean Miners, the BP oil spill!

This year MIN Club put up a great fight in the chariot race, even if we only had 10 people on our team. MIN Club also hosted a holiday party, with themed beverages and treats for everyone; accompanied with copious amounts of Super Smash Bros. In January MIN Club also attended the annual Monster Jam monster truck rally, in true white trash, hill-billy style. We even saw Truckasaurus (yes, a giant fire breathing, car eating dinosaur-truck). In February, twelve Mineral students were sent to represent U of T and compete in the annual Canadian Mining Games in Edmonton, where they spent three days partying, drinking and of course kicking butt in all of the 21 events. MIN Club was also fortunate to renovate (read: pimp-out) their common room this year. Now all 15 of us can hang out in the common room in style. The year was ended with a bang with our annual dinner dance in March, with exceptionally high turnout this year, about 30 people attended!!

-Rock on

-Julianne Keech (Chair)

My sincere congratulations to the graduating class of the Lassonde Mineral Engineering program. As you make the transition from student to engineer, you might want to reflect on your learning at the University of Toronto. The University is much more than a physical place; it is a network of resources, faculty, students, libraries and classrooms. We hope that you have enjoyed the learning experience, and the extra curricula activities, and at the same time have developed friendships that will follow you for years to come.

Over the past few years, you have all invested a lot of hard work into your engineering education. We have attempted to provide the necessary learning, but more importantly we have tried to instill the thirst for knowledge and lifelong learning. Your journey has just begun!

It is an exciting time to embark on your career as an Engineer. The mining industry is going through an unprecedented period of global development and you will be called to contribute solutions to some challenging engineering problems, such as mining at great depth or mining at sea. As Georgius Agricola stated in De Re Metallica, in 1556, “the art of mining is one of the most ancient, the most necessary and the most profitable to mankind.” This comment is still true almost 500 years later.

The expectations of both industry and society are shifting, in response to the need to accommodate technological advances, as well as evolving world issues. As mining engineers, you will be called upon to tackle challenges all over the world. I am confident that the education that we have endeavoured to provide will help you rise to any challenges you may encounter in your professional career.

I hope you will always stay in touch with us. We look forward to your feedback in order to help us make the Lassonde Mineral Engineering program even better. I wish you an exciting and fulfilling career and a great future.

-John Hadjigeorgiou, Ph.D., P.Eng., ing.
Director, Lassonde Institute for Mining
Claudette MacKay-Lassonde Chair in Mineral Engineering
Message from the Chair of the Department of Materials Science & Engineering.

On behalf of the Department of Materials Science & Engineering, please accept my sincere congratulations to you, the MSE class of 1T0+PEY and 1T1, on the successful completion of your undergraduate studies. You should be proud that you have graduated from one of the leading MSE departments in North America. Your education in materials science and engineering will provide a solid background for you to help create innovative solutions that address today’s and tomorrow’s global challenges. Equally important, I hope that the friendships you have made during your undergraduate years will remain with you throughout your professional and personal lives.

Please stay in touch, let us know how you are doing, and share your stories of success with us. We hope you will continue your legacy and dedication to excellence that your degree represents, as we look to you to serve as ambassadors for MSE, the Faculty of Applied Science and Engineering, and the University of Toronto.

Congratulations to you again, MSE class of 1T0+PEY and 1T1, and I wish you all the best for the future.

Sincerely,

Jun Nogami, PhD, FAAAS, PEng.

The MSE Club handles all social events of the MSE Department, such as Secret Santa, the T.A.U. Ping Pong Tournament and the Dinner Dance. We also represent the student body to other parties, such as and most importantly to the faculty. The MSE Council consists of 7 elected members, and each of the EngSoc Class Representatives. This year’s council consists of Kyle Serkies, 1T1; Jacquelyn MacCoon, 1T2; Jeff Otto, 1T2; Andre Delhaise, 1T2; Mustafa Karamali, 1T2; Ronak Gandhi, 1T2; Joshua Daouli, 1T2; Rhea Salinas, 1T2; Katherine Le, 1T3; Damian Durik, 1TO+PEY; Abrar Mahmud, 1T3; and Pratik Engineer, 1T4.

- Kyle Serkies (Chair)
“The only thing that builds a man is himself.” – Mother Dearest
- Saeed Kaddoura (Chem 1T2)

“Smooth runs the water where the brook is deep.” – W. Shakespeare
- Ajay Kochhar (Chem 1T3)

“If you’re not part of the solution, you’re part of the precipitate.”
- Ishan Gupta (Chem 1T4)

“My trusses bring all the engineers to the yard!”
- Edvard Bruun (Civ 1T4)

“Class of CIV1T1, I have but one word for you... BATTLESLUGS.”
- Kevin Zhang (Civ 1T1)

“Hasta la vista”
- Bahar Memarian (ECE 1T1)

“Every ECE stereotype is true, but we are still awesome!”
- Ryan Metzl (ECE 1T4)

“My trusses bring all the engineers to the yard.”
- Edward Bruun (Civ 1T4)

“Make the most of yourself, you deserve nothing less.”
- Galen Hogan (EngSci 1T1)

“A day without skule is a day without sunshine.”
- Famshir Manasseri (EngSci 1T2)

“EngPics Never Get Sleep. Constantly In 1T3.”
- Zixiu Zhu (EngSci 1T3)

“Integreation is an Art... practise, practise... praksi!”
- Yuqi Ma (EngSci 1T4)

“Wait, what does praxis mean again?”
- Patrick Zer (EngSci 1T4)

“Don’t let schooling interfere with your education.” – Mark Twain
- David Clease (Mech 1T1)

“I only have one thing to say: L’Eggo my Eggo.”
- Trevor Button (Mech 1T3)

“Where’s my phone?”
- Nitla Cooke (Indy 1T2)

“My rocks are gneiss, please don’t take them for granite.”
- Mike Chen (Min 1T4)

“I may be small, but I know what you’re made of... literally!”
- Jacquelyn MacCoom (MSE 1T2)

“1T4T1-Divide and conquer.”
- Teresa Nguyen (Track One 1T4)

“When I’m sad, I stop being sad and be awesome instead.”
- Marwan Dajani (Indy 1T3)

“1T4T1-Divide and conquer.”
- Tanaka Nguyen (Track One 1T4)

“EngPics Never Get Sleep. Constantly In 1T3.”
- Zixiu Zhu (EngSci 1T3)

“Trusses make the world go round.”
- Momo Sun (Civ 1T3)

“When I’m sad, I stop being sad and be awesome instead.”
- Marwan Dajani (Indy 1T3)

“Integration is an Art... practise, practise... praksi!”
- Yuqi Ma (EngSci 1T4)

“Wait, what does praxis mean again?”
- Patrick Zer (EngSci 1T4)

“Don’t let schooling interfere with your education.” – Mark Twain
- David Clease (Mech 1T1)

“I only have one thing to say: L’Eggo my Eggo.”
- Trevor Button (Mech 1T3)

“Where’s my phone?”
- Nitla Cooke (Indy 1T2)

“My rocks are gneiss, please don’t take them for granite.”
- Mike Chen (Min 1T4)

“I may be small, but I know what you’re made of... literally!”
- Jacquelyn MacCoom (MSE 1T2)

“1T4T1-Divide and conquer.”
- Teresa Nguyen (Track One 1T4)

“When I’m sad, I stop being sad and be awesome instead.”
- Marwan Dajani (Indy 1T3)
affiliated clubs
Formula SAE

U of T Racing is one of 500 collegiate design teams that compete within the Formula SAE Series and is one of the longest running student clubs in Skule history. Our team is composed of students from a variety of disciplines, who participate at an extra-curricular level, developing through practical experience their academic skills in mechanical design, technology, and management. The Formula SAE series challenges students to take on the assumption that they are a manufacturer developing a prototype formula-style racecar that is to be evaluated for production at competition by a panel of experts coming from the motorsport and automotive industries.

Throughout the five day demonstration, teams competitively present their design innovations, cost analyses, marketing plans, and on-track performance. There are 7 international competitions, each requiring teams to build a new car every year. In addition to attending two of these events - In Michigan and Germany, U of T hosts its own competition the “UofT Shootout” that is currently the largest student-organized FSAE competition in the world. Our team has built a reputation as one of the top ranking Canadian teams during our short history of 11 years and we will continue to strive for top place in both ranking and design. For more information, please visit www.fsae.utoronto.ca or come by our shop anytime, Haultain 102.
The Association for Wildlife Protection (ATAWP) is a club dedicated to the protection of wildlife. Our main priority is to raise awareness about current issues regarding wildlife; achieved through monthly meetings where we inform each other about wildlife issues around the world and occasionally, invite guest speakers to talk about specific issues. This year, we showed the compelling documentary “the Cove”. It detailed the horrifying dolphin massacre that happens every year in Japan.

Our club’s secondary objective is to take action. With the support from the University of Toronto community, we gathered hundreds of signatures for petitions that were sent to WSPA and other wildlife awareness organizations.

But most importantly, our club and exec team hope that we can give our members a wonderful experience; an experience where at the end of the day, we can honestly say to ourselves that we’ve tried to help make this world a better place.

The Astronomy & Space Exploration Society (ASX) is a non-profit organization run by the University of Toronto space community, in Ontario, Canada. ASX’s purpose is to educate, excite, and inspire students, professionals, and the general public about astronomy and space. Since its inception in 2003, ASX has rapidly grown to over 2100 members, and has organized and hosted 10 or more events per year, attracting 1500-2000 event attendees each year. ASX’s signature event is the annual “Expanding Canada’s Frontiers” Symposium, which has attracted an audience of up to 1400 people in a single event. Other events include the “Faces of Space” Lecture Series, StarTalks, Space Exploration Showcase and Observing Nights. Topics of discussion have covered various facets of space, such as “Mars and Beyond”, “The Search for Life”, “Cosmology from the Stratosphere” and “Space Commerce”.

The University of Toronto Blue Sky Solar Racing Team is a student-directed project that aims to promote environmentally friendly technologies through the design, construction and showcasing of our world-class solar racing vehicles.

As Canada’s leading solar car team, we custom design every component of the car to our own design specifications, including the design and fabrication of the car’s mechanical, electrical, and telemetry systems. This year the team has been very busy pulling everything together for our 6th generation car. The goal is to have everything ready and in time for a successful race at the 2011 World Solar Challenge in Australia. This biennial event held in October is the biggest solar car race with entrants representing universities and corporations from all across the world. Team members are all excited and looking forward to this once-in-a-lifetime experience.

The Canadian Society for Chemical Engineering (CSChE) is a national association for chemical engineers. Its members consist of practising engineers in industry and members of Chemical Engineering academia. The UofT Student Chapter acts as a link between students in their academic environment and the professional world of chemical engineering. The Chapter’s Mission Statement is:

“To connect the student body of the Department of Chemical Engineering at the University of Toronto with the professional world of engineering, through attendance to the annual CSChE Conference, as well as academic and professional information sessions and workshops, while forging social connections between students and their peers, faculty members, alumni, and industry representatives.”

Our main event is the annual CSChE Conference. In 2009, we sent 25 student delegates to the World Conference of Chemical Engineers held in Montreal, to represent the UofT Department of Chemical Engineering and Applied Chemistry. Here, students are exposed to a wide range of academic and professional development events that complement and enhance their undergraduate studies. At these conferences, student delegates have participated in the Reg Friesen (for non-technical) and Robert Auld (for technical/chemical) engineering competitions. UofT students are well-known for placing top standings in these competitions each year. In addition to the conferences, the Chapter also organizes other events such as PEY info sessions, professor-student mixers, health and safety seminars, Valentine’s Day candy grams and matchmakers, and more.
For the past 35 years, the Chinese Engineering Students’ Association (CESA) has been a student-run, non-profit organization dedicated to promoting Chinese culture and fostering friendships and networks between its members. CESA has grown to become one of the largest clubs within the engineering faculty, having approximately 350 undergraduate, graduate, and alumni students.

Not only do you get to meet new friends at our social events, but CESA also provides many other services throughout the year. Come receive free lunches while celebrating Chinese festivals with us, receive discounts at stores around Toronto, compete in sports tournaments, enjoy our semiannual CESA Times magazine, and much more!

Join us and receive many great CESA membership products, which include: membership cards, discount booklets, clipboards, and more!

Be sure to look out for our CESA booth around campus during Frosh week!

Concrete Canoe

The University of Toronto Concrete Canoe Team is a multidisciplinary design team completely managed by students. Over thirty undergraduates in the Faculty of Applied Science and Engineering form the core design team while others choose to participate as paddlers. Each year, we formulate and test a new concrete mix, which is used to construct a unique canoe with a specific visual theme and design. The theme for this year was chosen to be Pacman, the beloved ’80s video game. This year’s competition is hosted in Quebec City by the University of Laval, where we aim to place among the top concrete canoe teams in Canada. Our canoe will be raced against other universities and judged based on the overall quality. The University of Toronto Concrete Canoe Team is a great way for students to apply the knowledge they gain in the classroom to a stimulating, interactive design challenge.

Consulting Association

The University of Toronto Consulting Association (UTCA) aims to educate students about the field of management consulting and raise awareness about the career opportunities available within the industry. UTCA has benefited members of the Engineering Society by providing the opportunity to learn, network, and build relationships by hosting numerous events such as case sessions, panel nights and mock interviews. Our high profile annual Business Case Competition is the largest consulting competition at the University of Toronto and is judged by consultants from top consulting firms.

In addition, our Volunteer Consulting Group (VCG) allows students to gain real world consulting experience by matching top university students with local non-profits to solve problems in the areas of marketing, fundraising, finances and human resource management. Engineering students constitute a large portion of our membership base, participants in our Business Case Competition and Volunteer Consulting Group. Check our website at www.utconsulting.ca or join us on the Facebook (http://www.facebook.com/group.php?gid=2221847247) for more information!
Eng F.A.N.G

EngFANG (or the Engineering Friday All Night Gamers) is a club of students within the Engineering Society, which meets weekly on Fridays. We are comprised mostly of Engineering Science students, but have members from a variety of different disciplines within the Faculty of Applied Science and Engineering. During our weekly meetings, we play various board games and strategy games, and often grab snacks while playing. Some of the games we play include: Axis and Allies, Risk, Settlers of Catan, Diplomacy, Cranium, Twilight Imperium, Illuminati, and other card games.

As a club, we want to provide an opportunity for engineering students to take a break from studying and engage in an activity that they can enjoy. Proper breaks allow students to come back to their studies refreshed and ready to work effectively.

Feel free to visit our website at www.engfang.skule.ca, and contact any of our executive if you have any questions.

ECC

The University of Toronto Engineering Chinese Club (ECC) is a student organization aimed at uniting Chinese engineers and empower all engineers. We realize this goal by building a common platform for our members and the Skule community at large to further develop ourselves as individuals. We hold many meaningful events (in English) that aim to improve and enrich the university experience of our members. This includes academic mentorship, career development sessions as well as social/networking events.

Engineers in Borders

Engineers IN Borders (EnB) experienced a thrilling first year. We achieved our goal of providing engineering students with an opportunity to volunteer in the community. Leadership, initiative, creativity, teamwork and communication are essential skills which an engineer must possess. Engineers in Borders refines and improves a great variety of crucial skills.

In the year of 2010-2011, tutored students, participated in the Great Canadian Shoreline Cleanup by leading the cleanup on the Toronto Islands, built a haunted house for St. Albans and replaced tags and graffiti with a mural in the community. Next year, Engineers in Borders plans to grow, and organize more events in our community. If you have any questions, feel free to contact us at: enb@enb.skule.ca

Engineers Without Borders

At the Engineers Without Borders U of T Chapter (EWB-UT), 2010-2011 has been a year to remember. At our core, EWB-UT exists because we believe that extreme poverty is not inevitable, that our attitudes and behaviours toward the world make a significant impact. It has been a privilege to work alongside the next generation of global leaders and to watch them grapple with their potential to change the world. With each critical question and lengthy discussion their confidence has grown.

From Development Day Conferences to Global Engineering Outreach at Frosh Week, innovation has been a core theme of the chapter this year. This culture has emerged from members who are constantly seeking opportunities for social change, who are willing to put in the strategic thinking and effort to turn these into reality. Reflecting on the strength of fostering innovation is helping our chapter think differently about how to plan for next year and organize our structure to maximize our potential.

Although this year has seen the emergence of new teams, new partnerships, and a new level of student leadership for EWB-UT, we are only just beginning to realize our potential. 2011-2012 will see a shift from big ideas to big action, as we progress with high-level conversations about Global Engineering and cross-faculty collaboration to the details of implementation and commitment. We will see our relationships with Members of Parliament shift towards concrete actions that improve Canada’s aid effectiveness while our innovative youth engagement programs will move from education and inspiration to youth-driven action.

As we progress onto a new year, cannot help but marvel at the next generation of leaders that will step up and lead EWB-UT.
The Iron Dragons had another successful season in 2010! At the Toronto International Dragon Boat Race Festival, they completed the U of T podium sweep at the University Championship, with a record breaking time of 2:08.38; the best in the team’s 15 year history.

The team remains one of the most spirited and loudest in the dragon boating community, shouting engineering cheers to show SkuleTM spirit. Most notably at the London Dragon Boat Race Festival, the team braved the torrential downpour and belted out cheers while they sat in the boat, drenched from the rain, waiting for the start of the final race.

The Iron Dragons capped off their season at the Great White North Challenge, winning the Creemore University & Education Cup, finishing over 2 boat lengths ahead of the second place team. The only disappointment was not receiving well-deserved compensation of BEvERages from the sponsor of the cup…
Skule Arts Festival

Skule Arts Festival is a week-long art exhibition that provides engineering students in the University of Toronto an opportunity to demonstrate their artistry, creativity, multiple talents and to share their interests towards arts. Skule Arts Festival is not only a gala for art enthusiasts in engineering, but also an event for all the students in engineering society to develop their skills and enrich the Skule life.

Skule Arts festival has come to the third year with the support from Skule organizations, faculties and student volunteers. Throughout the last week of January, photography, drawings, paintings, poetry, short stories, calligraphy, sculptures, digital art work and many more mediums were displayed in three major engineering buildings on campus. Also, large scale interactive installations designed by students were presented. With all these excitements from static visual arts, the performance night-Coffee House-brought poetry reading and acoustic performances from Skule peers.

UTSDC

The University of Toronto Space Design Contest (UTSDC) is an annual contest for high school students that presents a challenging space-related problem to teams of up to five students and tasks them to design an innovative solution. Throughout the year, teams document their solution, culminating in a short report and the opportunity to present it at the Design Conference in May. This internationally-recognized contest brings together students from across Canada, and even from countries as far away as India and Taiwan.

UTSDC is run entirely by undergraduate and graduate engineering students at U of T, with the exception of judges who are engineers or scientists from industry and academia. UTSDC networks with aerospace companies, such as MDA and COM DEV, and even has ties to international organizations, one of them being the AIAA. Therefore, UTSDC provides its members and volunteers with a great opportunity to network with professionals and engage in the Skule community as role models for young students to pursue engineering careers.

Sustainable Energy Fair

The Sustainable Energy Fair (SEF) Organizing Committee works together to deliver an annual full-day event that showcases innovations in sustainable living and current green technologies. In addition to students and faculty members from the University of Toronto, attendees at the fair also include researchers and distinguished representatives from industry and organizations from our local community. Our goal each year is to demonstrate that sustainable living is simple and can easily be incorporated into everyone’s lifestyle through the use of interactive exhibits, a discussion panel and by offering networking opportunities for everyone who desires a sustainable future. For more information about our event and cause, please check out our website (uoftsef.org).

Sustainable Engineers Association

The Sustainable Engineers Association Conference (SEAC) is designed to expand the minds of students passionate about learning more on the topic of sustainability. In this one day event, students learned about the current state of sustainable development and technology in Canada and internationally. The conference will provide students with a chance to meet the leaders and innovators from sustainable industries in a formal and professional setting to serve as an educational and inspirational experience, empowering and encouraging attendees to make an impact in their own careers and personal lives.

This year’s Conference features 9 excellent speakers. They are Jean-Francois Barsoum from IBM on Sustainable City, Graeme Stewart from ERA group on Urban Building Renewal, Dani Marino from Halsall on Sustainable Building, Jane Huang from Zenn Motors on Electric Cars, William Goodings from Canadian Executives Service Organization on Waste Management, Trish Yee from Steam Whistle on Green Brewery, Becca Lane and Shawn Smith from the Ministry of Transportation on Infrastructure and transportation.
UTRA

University of Toronto Robotics Association (UTRA) is a student interest group running multiple teams in many fields of robotics. The Robotics Association embraces students who are interested in robotics regardless of previous background, knowledge or skill. Through involvement with UTRA, students are able to apply what they learn in school to solve real-life engineering challenges while having a chance to develop their team skills.

UTRA holds Sumo-bot Competition for beginners to learn the essential skills needed for more advanced projects. In addition, we have mastered the art of Combat Robotics (World Champions) and we are on our way to conquer Autonomous Robotics and Artificial Intelligence. We also take on fun projects such as 3D Printers [RepRap] and much more. Check out our website at www.utra.ca!

Web Startup Society

Programming + Startups = Cool. We like to build things online, because nothing is more satisfying than creating something useful that lots of people will benefit from. We’ve held DemocampUofT, a showcase of cool web or mobile apps that students have built in their spare time. We also hold meetups that feature hottest Toronto startups and get them to share their experience and insider stories on the ups and downs of an entrepreneurial driven lifestyle. Lastly, we also hold workshops that feature the latest technology such as Ruby on Rails or Android development.

Skule™ Orchestra

Skule Orchestra is a 60-plus member symphonic orchestra in which members enjoy playing challenging repertoire. Now in its fifth year, the orchestra pursued musical excellence while having fun and learning together.

This year, we brought our light-hearted Pops concert back and to the Knox College Chapel, where we performed hits from movies and video games as well as past Skule Nite favorites to start off the season. The orchestra then hosted the annual Skule Music Concert, where all Skule Music ensembles gathered to showcase musical talent within the engineering community to end the first semester.

Moment, the Valentine’s Ball, was an elegant, refined evening of ballroom dancing. Guests learned to waltz and foxtrot with an introductory lesson from a professional dance instructor, and danced to live music from the orchestra. Delicious desserts, photography from the Skule Photography Club, and the grand appearance of Hart House Great Hall combined to make the evening an unforgettable experience.

The year culminated with an ambitious and grand performance at Symphonic Boom at the Church of the Redeemer, where the orchestra performed the great Symphony No.1 by Sibelius and the 1st Movement of the Chopin Piano Concerto No. 2.

Executive Committee

Conductor and Musical Director: Alessandro Ariza, EngSci Infra 0T8+PEY, Civ MASc Candidate
Managing Director: Jessica Lovelock, EngSci 1T3
Finance Director: Sophie Hu, Chem 1T1
Promotions Director: Jack Chao, Mech 1T2
Social Director: Bridget Mills, Chem 1T2
Secretary: Amanda Sisti, Chem 1T0+PEY
Skule™ Stage Band

Skule Stage Band, the 18-piece engineering jazz big band, was established in 1983 with the help of Professor Malcolm McGrath and the Skule Alumni Association and has been grooving ever since. There’s been so much interest that three years ago, we founded a second big band, Skule Stage Band Blue.

The Skule Stage Band shone this year at all of our performances, playing new and old swing, latin, ballad, and funk repertoire. The group put music in the air and jazzed up lots of annual Skule events such as Suds, Engineering Science Dinner Dance, Skule Music Concert, Cannonball, Gradball, and of course, our annual Jazz at Oscar’s performance at the Arbor Room.

We want to thank all of our players as well as all of our fans for their dedication and enthusiasm. Thanks for such a successful and enjoyable year!

Wayne Choi, Director 1T0-1T1
Marc Tyndel, Business Manager 1T0-1T1

Brass Ring

Director: Andrew Oldham

- OVERVIEW -

The Brass Ring is UofT Engineering’s award winning Brass Quintet. The group was formed in 2005 by five students interested in playing some traditional quintet repertoire. This year with the influx of new first year students, we decided to take on a rehearsing ensemble of seven; an indication of the immense interest in music that continues to exist within UofT Engineering students. Traditionally (but not exclusively) comprised of engineering students, we perform a variety of Baroque and Classical arrangements as well as a repertoire of popular Christmas cards, hymns and songs. We offer a nice addition to lunches, dinner parties or any other event looking for the added touch of live music.

- PERFORMANCES -

The group performs at various venues and events, large and small throughout the year. Our annual performances include the Skule™ Music Concert and our own end of year concert in the spring. This year, for the second year in a row, we were privileged to perform at the Dean’s Holiday Reception. Seasonal engagements include Faculty Club dinner parties, Alumni & Departmental receptions, the UofT Remembrance Day ceremony and wedding entertainment, to name a few. We are always interested in performing at events large or small.

- AWARDS -

The Brass Ring competes at the Kiwanis Music Festival of Toronto. The group has first place standings as well as the highest rating of Gold to its credit.

- MEMBERS -

Trumpet - Tony Liu - ECE 1T4
Trumpet - Adam Yaremko - NSCI 1T3
Tuba - Calvin Moes - NSCI 1T3
French Horn - Jeremy Shindman - History 1T3
Trombone - Andrew Oldham - MECO 1T1+PEY
Professional Experience Year

Suncor

Bombardier

GE

Unilever

Sentinelle Medical

Husky Injection Molding Systems

Actel Corporation

Environment Canada

Teknion Furniture Systems Ltd.

AECOM
Graduates of 2011
Electrical Engineering

Graduating Class of 2011
Electrical Engineering
Graduating Class of 2011

Maolin Wang
Tianyu Wang
Tong Wang
Zhe Nan Wang
Jingying Xiao
Chuan Xiong

Kelly Yan
Zhao Yan
Jing Yang
Shicong Yang
Jin Yong Yee
Yibo Yu

Chris Sheng Feng Zhan
Zheng Zhang
Wen Bo Zhao
Yetao Zhu
Bo Zong
Ignacio Zuleta

Michael Abramovich
Shahid Al-Haque
Abdessamad Allalou
Siyang An
Siar Tipนอน

Maryam Badakhshani
Peter Badea
Sean Bell
Nishant Bhatt
Catriona Boyd
Trevor Campbell

Monica Chaumont
Si Chen
Wei-Hen Chen
Xi Chen
Steve Choi
Christian Demianidis

Daniel Di Matteo
Alexander Duarte Laudon
Michael Ferri
Tamara Finlay
Justin Freedman
Marina Freire-Gormaly

Barsan Fu
Cindy Fung
Amanda Giang
Vasily Grigorovsky
Jason Gu
Yonatan Halpern
Engineering Science Graduating Class of 2011

Christopher Ryan
Raphael Sammut
Mojdeh Shakiba
Jeffrey Sham
Harxiong Shi
Hasmita Singh

Kevin Gu
Stephen Smith
Xavier Shalgrove
Dantong Song
Duluxan Stritharan
Farhang Taheri Khorram Abadi

Richard Tam
Tang Tang
Pengwei Tao
David Taylor
Alex Tran
Bosco Tse

Konstantinos Tsotsos
Samantha Vigder
David Wang
Peter Wang
Qiwei Wang
Sida Wang

Tianyi Wang
Meng Wei
Chun-Wang Rankie Wong
Emily Wu
Lei Wu
Nan Wu

Yuchen Wu
Kun Xie
Bo Xu
Sean Yamana-Hayes
Harvey Yang
Chun-him Yau

Wei Zhong Ye
Shawn Yin
Yue Yin
Jean Bernard Yung Hing Hin
Sameer Zakeer
Qiuchen Zhang

Rick Zhang
Ryan Zhang
Yun Zhang
Samuel Zhao
Xingye Zhu
Industrial Engineering
Graduating Class of 2011

Saadedeen Abu Zahra
Yahya Ustun Altinbas
Jose Arancel
Karin Ayanian
Aaron Bastamipillai
Liam Bauer
Kwon Hang Chan
Sarah Chen
Hoi Ki Cheung
I-Chun Chau
Wayne Choi
Carmen Chu

Industrial Engineering
Graduating Class of 2011

King Yip Lau
Jennifer Leung
Heyse Li
Jane Li
Jordan Lue
George Marouchos
Janan Mirmohammadi
Valentine Neiman
Karen On
Alborz Parcham-Kashani
Christopher Parentela
Maria Perivolaris

Rommel Corral
Yuelling Dai
Evgeniia Doudareva
Byron Fung
Luca Gagatek
Ting Han

Industrial Engineering
Graduating Class of 2011

Harry Ragunathan
Sheng Rao
Rossana Rodriguez
Ahmad Shayeghi
Dina Shafir
Anna Shau

Tsami Haque
Karen Hawkins
Yingin He
Ahmad Hejran
Chien Ting Huang
Aleksandar Iliev

Industrial Engineering
Graduating Class of 2011

Wen Su
Karen Sun
Robert Tedja
Emad Toukan
Alvin Tsui
Neelharika Tummala

Jane Ip
Vijayamathie Jeyakumar
Hao Yu Ji
Justin Kirkey
Enida Kule
Kit Phillip Lam
Industrial Engineering
Graduating Class of 2011
Gideon Wilk
Justin Wong
Jiahui Xu
Samantha Yang
Ramzi Yanis
Junyu Zeng
Ramin Zohrabbeik

Mineral Engineering
Graduating Class of 2011
Mohd Saheem
Ahmad Nadzri
Daniel Alksnis
Rachel Ghent
Julianne Keech
Thon Kuany
Danruo Liu
Crystal Lui
David Macdonald
Vinay Maliakkal
Daniel Persaud
Nick Yugo

Mechanical Engineering
Graduating Class of 2011
Azhar Ahmed
Blair Antcliffe
Qing Ba
Pulasti Bandara
Xini Bao
Justin Baulaugh
Pankaj Bhatti
Waqass Bhatti
Jeremy Bluvol
Kyle Booth
Pavel Bovbel
Jonathan Brooks
Evgheni Cebanov
Ali Cerit
Saptarshi Chakraborty
Tiffany Chan
Varun Chandan
Wei Hao Chang
Clarence Cheung
Brandon Chong
Carson Chu
Timothy Chua
David Clease
Brendan Cochrane
Anthony Colin
Marc Dallen
Jawad Daeu
Steven Deason
Hong Deng
Duncan Edwards
Mechanical Engineering
Graduating Class of 2011
Materials Engineering Graduating Class of 2011

Chenliu Bai  Florian Brenken  Yue Rong Cao  Kenneth Cheng  Yasaman Delaviz  Damian Durlik
Andrew Forde  Shaohua Fu  Ji Yeon Goh  Xing He  Mohammad Hussain  Szymon Janiuk
Jieun Kim  Alexander Lausch  Xiaojun Li  Jason Miklas  Bojan Miljkovic  Malina Mosharrat
Minh Nguyen  Devin Persad  Tracy Pham  Benjamin Pipo  Yuri Savguira  Kyle Serkies

Materials Engineering Graduating Class of 2011

Nadezhda Tabachnik  Francesco Turchiaro  Harish Veawanathan  Ziqiao Wang  Janet Wong
Raymond Wong  Muyu Xiao  Yiqun Xiao  Shuhe Yang  Po-Szu Yao
Timothy Zeng  Ruijun Zhang  Xiaolu Zhao
Andrew Forde  Szymon Janiuk  Mohammad Hussain  Mohammad Hussain  Yasaman Delaviz
Shao Hua Fu  Ji Yeon Goh  Xing He  Mohammad Hussain  Szymon Janiuk
Xieun Kim  Alexander Lausch  Xiaojun Li  Jason Miklas  Bojan Miljkovic  Malina Mosharrat
Minh Nguyen  Devin Persad  Tracy Pham  Benjamin Pipo  Yuri Savguira  Kyle Serkies

Materials Engineering Graduating Class of 2011
time to move on for us engineers to serve humanity.

Ahmed, Azhar - MEC 1T0+PEY
Moment: Ontario Engineering Competition Award Ceremony
Comment: There are millions out there who are probably more deserving than us to get educated in a prestigious school like UofT. The iron ring should thus remind us to be humble and thankful, rather than titling us with pride and arrogance because “arrogance and pride are pure ignorance,” Habib Ali Jifri.

Antcliffe, Blair - MEC 1T0+PEY
Sustainable Energy
Moment: ACCEPTING THE RING
Comment: It's been an interesting five years living the university life, probably the slackest time I'll ever have... Met some interesting people, made some good friends, played some fun games and watched "loads of anime. Thanks to everyone that made these past five years interesting, hope to see you all again someday out in the world. Until next time.

Badri, Mario - COMP 1T0
Computer Architecture
Moment: Reaching that I get to take Arts courses in 3rd and 4th year
Comment: Getting through engineering, much like getting through life, is more about perseverance than intelligence.

Bass, Dhruv - COMP 1T0+PEY
Job: Professional Consultant
Moment: Accepting the ring
Comment: As I always say: you win a dangy, you lose a dangy.

Bhatti, Waqass - MEC 1T0
Moment: Living with Azhar, Wajahat, Mario, Badri and a bunch of other people.
Comment: I would like to thank my family for four great years at U of T! Now it's time for us to part our different ways, it's time for us to part our different ways, it's time for us to part our different ways.

Bose, Natasha - ELE 1T0+PEY
Moment: "If opportunity doesn't knock, build a door'.
Comment: 'If opportunity doesn't knock, build a door'.

Brinias, Jonathan - CIV 1T1
Amateur Artist and Explorer
Moment: Reaching that I get to take Arts courses in 3rd and 4th year
Comment: Getting through engineering, much like getting through life, is more about perseverance than intelligence.

Chakraborty, Saptarshi - MECH 1T1
Solid Mechanics/ Machine design and Energy / Environment
Moment: When I discovered an Indian open buffet restaurant in Mississauga, which for a foodie like me was getting the key to the Pandora's box of deliciousness!!!
Job: Engineer of Hilarious proportions
Comment: A very warm Hello! I've had a roller coaster ride worth of life experiences here at U of T. The countless all nighters spent studying for exams were really grueling times. I'd like to thank all my buddies namely Eugene, Karthik, Nauman, Fadi and all those I got to see over the last few years. But more importantly, All Hall Youtube! Had it not been for this glorious, ever so wonderful website I don't know how I'd be able to pull through. I'm looking forward to using my creativity, to do something productive with a degree in mechanical engineering.

Chiu, Jason - COMP 1T0+PEY
Gaming
Moment: My acceptance at UofT was like a dream come true. Being an international student, I was both excited and nervous to come here. Being a part of UofT, I have made sure that when my life flashes before my eyes in the years to come, I've got plenty of fun memories to remember.

Chiu, Carmen - INDY 1T1
Information Systems
Moment: Reaching that I get to take Arts courses in 3rd and 4th year
Comment: Thanks to all my friends and family for four great years at U of T. Now it's time for us to part our different ways, but wherever you go, go with all your heart. (Confucius)
Keep in touch!

Chiu, Darren - COMP 1T0+PEY
Moment: Getting accepted at Uotf on my birthday
Comment: My acceptance at Uotf was like a dream come true. Being an international student, I was both excited and nervous to come here. Being a part of Uotf, I have made sure that when my life flashes before my eyes in the years to come, I've got plenty of fun memories to remember.

Choi, Jason - MECH 1T1
Software
Moment: Meanking with Azhar, Wajahat, Mario, Badri and a bunch of other people.
Comment: I would like to thank my family for four great years at U of T! Now it's time for us to part our different ways, it's time for us to part our different ways, it's time for us to part our different ways.

Choi, In Ho - COMP 1T0+PEY
Comment: Now is the winter of our undergrad years. I've got plenty of fun memories to remember.

Choi, Jeongmin - COMP 1T0+PEY
Comment: Now is the winter of our undergrad years. I've got plenty of fun memories to remember.

Choi, Young Min - COMP 1T0+PEY
Comment: Now is the winter of our undergrad years. I've got plenty of fun memories to remember.
I am proud to be a part of such a dynamic institution.

A couple of table tennis tournaments are a few highlights of my time spent at U of T something I’ll never forget. Finishing Plant Design and irreplaceable, and I will remember every moment of it.

To my Chems, thank you for reminding me to come to class, and always cheering me up when I needed it most.

To my Skule friends, after countless hours in the atrium, taking, laughing, drinking, ranting, trolling, painting and rapping, thank you for the good times.

Fours years have gone by, and guess what?! Four years have come and gone yet there is still so much to explore & learn! Engineering has been an awe-inspiring experience, something that not everyone has a chance to experience and something that I will never forget. In the end though, the best thing about engineering was meeting and becoming friends with some of the coolest & smartest people in the world! Thanks to everyone who helped me out whenever I needed help! Have a steady dose of your inspiration, wisdom, humour, and support.

I would have made it this far with a lot of help from you. I don’t know how the experience was sweet because of you. I don’t know how the experience was sweet because of you. The four years at UofT is the first time I lived on my own. I have a chance to experience and something that I wish you all a successful and satisfying journey through life.

Two much can’t possibly sum up everything, so I’ll just say this: To all of my professors, and family - many thanks.

Forde, Andrew Nathaniel - MSE Nano

Moment: When my eyes open to start each day
Job: President & Father

I am grateful to all the motivating faculty members, especially to Professor Cleghorn, for providing guidance for all these important years of my life. I am proud to graduate from this institution, after writing exams and tests, waiting for ROSI to load so that we can view our course grades, and feeling happy to see them bumped up! Met a couple of great friends, and discovered some lifelong memories! Graduating to me is just a concept, acknowledging that one graduates every day is the key to a successful life!

Forde, Andrew Nathaniel - MSE Nano

Moment: When my eyes open to start each day
Job: President & Father

I am grateful to all the motivating faculty members, especially to Professor Cleghorn, for providing guidance for all these important years of my life. I am proud to graduate from this institution, after writing exams and tests, waiting for ROSI to load so that we can view our course grades, and feeling happy to see them bumped up! Met a couple of great friends, and discovered some lifelong memories! Graduating to me is just a concept, acknowledging that one graduates every day is the key to a successful life!

Finlay, Tamara Jean - ESC 1T1 Aerospace

Moment: Every day, starting with getting my very own hard hat in Fresh Week
Job: something with the word ‘engineer’ in it

Graduation to me is just a concept; a successful life! Graduation to me is just a concept; a successful life!

A little blur can’t possibly sum up even at U of T something I’ll never forget. I leave you with the following quote by a friend of mine: ‘How do you know you know, you know? I think so though.’

To my Chems, thank you for reminding me to come to class, and always cheering me up when I needed it most.

To my Skule friends, after countless hours in the atrium, taking, laughing, drinking, ranting, trolling, painting and rapping, thank you for the good times.

I am proud to be a part of such a dynamic institution.

A couple of table tennis tournaments are a few highlights of my time spent at U of T something I’ll never forget. Finishing Plant Design and irreplaceable, and I will remember every moment of it.

To my Chems, thank you for reminding me to come to class, and always cheering me up when I needed it most.

To my Skule friends, after countless hours in the atrium, taking, laughing, drinking, ranting, trolling, painting and rapping, thank you for the good times.
Huang, Curtis So-Tsun - ESC 1T0+PEY Comp
Job: Software Engineer
Moment: Probably too many to count.
Comment: *Anything in life worth having is worth working for.* - Andrew Carnegie

Hussaini, Mohammad Mutahar - MSE 1T1 Materials Processing & Manufacturing
Job: Metallurgy
Comment: Purely from the context of life-changing experiences I had at UofT, the educational skills combined with cultural experience gained, I am grateful to UofT for endowing me with the gifts of personal growth and serving as a pedestal for my career in Engineering. It is that sense of challenge and self-confidence that I have gained, which I know will last me for the rest of my life. I have had the opportunity to work closely with motivated and intelligent students. In addition, the MSE department is truly outstanding. I enjoyed most about UofT. I have had the opportunity of challenge and self-confidence that I have gained, which will endow me with the gifts of personal growth and serving the community, with cultural experience gained, I am grateful to UofT for endowing me with the gifts of personal growth and serving as a pedestal for my career in Engineering. It is that sense of challenge and self-confidence that I have gained, which I know will last me for the rest of my life.

Kang, Yiyang - CHE 1T1
Comment: Finaliy! Thanks for everyone who helped me and shared all my happiness and sorrow for the past four years. Best wishes, XOCO.

Kao, Chung-Wei - MEC 1T1 Solid Mechanics and Mechatronics
Job: Financial engineer
Comment: Thanks to Moms&Dad, for your invaluable care&love; without your support, I wouldn't have been able to march this far. Thanks to all my lovely frnds, for not making me lonely when living alone in a big city without any relatives. Thanks to Prof.Nagib and other profs who packed me with knowledge & maturity. Finally, thanks to my karanite instructor Ghihan and Sensei Daniel, for having coached&inspired me to keep doing&learning my favorite sport regardless of the crazy academic workload. Time to loose the UofT force; however, all the stain-hardened biteswist memories will remain in shape for good.

Karim, Jehan Zab - ELE 1T0+PEY
Job: CEO
Comment: It’s been an experience! Thanks to the resistors (the capacitors and inductors (friends and TAs). This would not have been possible without my family and Sara S. Thanks for motivating me to success. Go make the future!

Kieran, Catherine - COMP 1T0+1
Job: Computer Engineer
Moment: Seeing the sun rise with friends after a long night working.
Comment: Hey Skule - it’s been a wild ride.
I really appreciated the following advice during my years: "No matter how bad things get, or how many times your coursework says “resistance is futile”... NEVER GIVE UP, NEVER SURRENDER! Follow your bliss. Stores and ECE Club had their own special place in the work/sleep/play tribe (not that I’ve had much sleep), and I hope that when I leave Skule it’s better than when I arrived. Looking at all my ironing right now, it’s no longer just a light at the end of a tunnel, it’s a reminder that I’m now ready to set off and leave my mark on the world.

Kadouda, Saeed - CHE 1T1 Sustainable Energy
Job: Environmental engineer
Comment: My time at UofT Engineering has been without a doubt the best time of my life. Through Skule I have met great people, made best friends, and grew into a person I never imagined I could have ever been. Just as we have stood together in the last four years, I hope that we will stand by each other for many years to come. Keep smiling, stay beautiful, do something amazing :)" - Bill Gates

Kotini, Rosanna - CHE 1T1
Comment: Congratulations graduates! I hope that our paths will cross soon and often, I’d like to thank my wonderful parents and sister for their constant love and support, and my friends for all the laughs and memories. Best of luck!

Lau, Calvin - ESC 1T1 Biomed
Job: CEO
Comment: It was an interesting 4 years

Leibrecht, Philip Mathias Kuprath - CHE 1T1 Sustainable Energy
Job: Director Design
Comment: Nothing beats the peace design

Lin, Thomas Kan-Hsing - COMP 1T0+PEY Software & Computer Networks
Job: Engineering manager
Moment: Finally getting the darn 1-way wireless communication system to work back in ECE299.
Job: Jack Of All Trades
Comment: Wow, where did the past 5 years go? Thinking back to Frosh week, I had so much hope, aspirations, and dreams, with an inflated ego and pride about being an engineer. Okay, so while engineering isn’t exactly what I thought it was going to be, I can still confidently say that I thoroughly appreciate all the knowledge I have gained, and I’m sincerely proud of all the experiences I went through: I’m happy to have met all the amazing people in my time here, and I wish everyone in the class of 1T0 (+PEY) the best in their future pursuits!

Liu, Chang - ESC 1T0+PEY Comp
Job: Computer Engineer
Moment: The obvious mathematical breakthrough would be development of an easy way to factor large prime numbers*

Lin, Thomas Kan-Hsing - COMP 1T0+PEY Software & Computer Networks
Job: Engineering manager
Comment: *The obvious mathematical breakthrough would be development of an easy way to factor large prime numbers*

Liu, Lingzhi (Emily) - CHE 1T1 Bioengineering
Job: Software manager
Comment: Four years here seem to have passed by so quickly. There have been a lot of ups and downs during my time here, but I have enjoyed it and wouldn’t replace it for the world. Won’t see how the future goes. Good luck to all.

Luo, Wilson - MEC 1T0+PEY Solids and Energy
Job: CEO
Comment: Making things happen

Man, Yufei - MEC 1T0+PEY Bioengineering
Moment: When the prof says: “you’re not expected to know this for the exam”... Comment: who has the time to come up with a comment?? shouldn’t you be working on your thesis??

Myaslyvych, Tara - CIV 1T1
Comment: A message to myself: Rise above yourself, challenge your strengths and eliminate your weaknesses, find and conquer the opportunities, learn from your failures and celebrate them as if they are your victories, never stay stagnant, constantly evolve, always be grateful for the people around you, and never, ever, think you can’t or its too late.

Nasim, Nihad - COMP 1T0+PEY Software & Electronics
Job: Making things happen
Comment: Humans try to give structure to an unstructured world. We surround ourselves with regular shapes although the world is irregular. We strive to find certainty over probability. Engineering has shown that it works well within upper and lower bounds. Therefore, we should not forget the crazy world we live in. So, is it that hard for an engineer to believe in God?

Nagpal, Jatin - ELE 1T0+PEY
Grad    •   116   •   SB1T1
Noorall, Asif - COMP 1T0+PEY
Software Engineering
Job: Software Engineer / Software Architect
Comment: I chose not to leave a comment in my highschool yearbook in my graduating year, but now I regret it, for this comment box leaves a spot for you in school history. It’s here for us to retell a story, wish friends a farewell, or just to reflect. Here’s my reflection:
Having had so many memories over the past four years, I truly am surprised that I will be graduating this June. However, my loving family and friends have supported me in every and any way to make the possible, and for that I say thank you for turning the entire of my heart.

Pang, Leung Ting Timothy - MEC 1T0+PEY
Energy and Environment
Comment: It’s been an awesome four years, met plenty of great people, and had tons of good times. To all the people who were there, from great laughs in BA1000, and climbing marble horses in Vegas, to glue nuts at Tremblant, and 3:30 coffee breaks, it’s been awesome! Hope you guys all have a good one. Just remember, “If you don’t know it by now, it ain’t worth knowing”.

Park, Regina - MEC 1T0+PEY
Bioengineering & Mechatronics
Job: happy engineer or staw
Comment: Thanks for all of memories! U of T.

Patterson, Troy - COMP 1T0+PEY
Moment: Receiving my Iron Ring!
Job: Systems Engineer
Comment: These years have been filled with joy, pain, triumph and success. I’ve learned and grown much more than I could have ever imagined. As I truly approach the finish line, I fondly look back and smile at my journey. There were long and endless nights agonizing over assignments, labs, and tests as well as awesome events that filled me with school pride! I’ve made some amazing life-long friends and formed awesome relationships with the faculty. This moment is another step towards my ultimate destiny and I will strive to succeed professionally and positively impact my community.

Pinto, Stephen Chetan - CHE 1T0+1 Sustainable Energy
Moment: Friday, December 22, 2022 World Cup bid...and end of Plant Design!
Moment: Oh boy... not sure where to start. But thank you Jesus for getting me through! Lots of football memories, chair-racing in Walberg, sip-sip some BEVERAGES at various locations across campus, all-nighters for plant design (first place baby!), BYOB, Chem Club, LDT Good times, with good people.

Qu, Xulong - ESC 1T0 ECE
Moment: Graduating from EngScG
Job: whatever life has in store for me
Comment: Can’t believe the EngScG journey’s finally over. I thank all my fellow EngScG’s and the faculty for making these years worthwhile. Cheers and best of luck in the future to everyone!

Rahmati, Poya - MEC 1T0+PEY
Biomech
Moment: Finding out about a quiz an hour before class!
Job: prosthetic design
Comment: Finally it’s over! I can feel the smell of freedom, it’s gonna be LEGEN... wait for it--and I hope you’re not lactose-intolerant, ‘cause the second half of that word is... DARY!
Crap, now I gotta start looking for a job... maybe I’ll just take some courses at York to be eligible for handicap benefits

Raimondo, Alessandro - CIV 1T1
Moment: Every moment at Survey Camp in Third Year.
Comment: I chose not to leave a comment in my highschool yearbook in my graduating year, but now I regret it, for this comment box leaves a spot for you in school history. It’s here for us to retell a story, wish friends a farewell, or just to reflect. Here’s my reflection:
Having had so many memories over the past four years, I truly am surprised that I will be graduating this June. However, my loving family and friends have supported me in every and any way to make the possible, and for that I say thank you for turning the entire of my heart.

Rebeiro, Jonathan - CIV 1T1
Construction/Building Science
Moment: Everyday I’m with my Friends
Job: Project Manager
Comment: Started it all as an MSc...ended up as a CIV. During which there have been from Hart House Farming, Survey, Camping, Snowboarding Reading Week Trips, good times at Baldwyns traveling to Edmonton/Calgary/Hamilton for Concrete Toboggan. Having the occasional drink at Molly Bloomes, Stubs, Steins, O’Grady, and eating Village Idiot Fries at VIPs. Kom Jug Yuen and their BBQ drink at Molly Blooms, Suds, Steins, O’Grady, and eating Village Idiot Fries at VIPs. Kom Jug Yuen and their BBQ

Rofaiel, Andrew - ESC 1T0+PEY
Construction/Building Science
Moment: Winning 1st place at the Canadian Engineering Competitions!
Job: CEO
Comment: The many long nights, failures, hardships, and successes that I have experienced in my time at Skule have not only made me a better person, but have brought me closer to an amazing group of classmates. I will cherish the memories that I have from Skule for the rest of my life, and when we are all old and successful, we can look back upon our time here as one of the best times of our life.

San Luis, Rebecca Jill - COMP 1T0+PEY
Job: At nighters programming and realizing that others are more screwed than you are.
Comment: Dear Skule,

Shah, Salil - MEC 1T1
Job: Nuclear Engineer
Comment: Having had so many memories over the past four years, I truly am surprised that I will be graduating this June. However, my loving family and friends have supported me in every and any way to make the possible, and for that I say thank you for turning the entire of my heart.

Shah, Sallie - MEC 1T1
Job: Technology Consultant
Comment: Dear Skule,

Some people see the glass half full. Others see it half empty. I see a glass that’s twice as big as it needs to be.
— George Carlin

— George Carlin
Grad    •   119   •   SB1T1

Semieniuk, Christopher - MEC 1T0+PEY
Moment: Being a part of Skule
Job: Entrepreneur
Comment: It’s amazing how quickly four years plus PEY have gone by – it has certainly been a most memorable experience. Thank you to my family, friends, professors and peers for the love and support they have provided! The memories we shared along the way were priceless – from the Mech Club to ski trips, intramural hockey, Skule Stage Band, FS&E, and anything & everything in between; thank you! I have forged some of my strongest friendships and connections simply by being a part of Skule. Wishing you all the best in the future! Please keep in touch.

Skidur, Sumit - ELE 0T9+PEY+1
Power and Control Systems
Moment: When I got out of Engineering
Science
Job: Mr. Know-All and Do-All
Comment: It’s been some exciting years so far. But I am there at last – the Iron Ring and then the graduation. Honestly it doesn’t feel that different – just another chapter of my life that’s opening. Over the course of my time here I learned a lot from everyone and grew as a person. Thanks to all my friends, Professors and everyone else I worked with – specially folks at the EnS. I leave with a sea of unused knowledge, some wisdom and one regret – I just wish us Engineers, one of the most lucrative trade out there, was blessed with more ladies both qualitatively and quantitatively. Adios.

Sin, Jeremy - CHE 1T1 Bioeng
Moment: Post Plant Design Celebration
Job: Dr, J
Comment: crammering at BA and robotics with dany
...watching house with justin and jason
countless lab sessions in WB and LM
microprocess challenges
skipping lectures for track meets
all nights at WB316
...and there it is 4 years of engineering
heartfelt thanks to all of you who made my experience wonderful.

Singh, Hasmita - ESC 1T0+PEY Biomed
Moment: EngSgl Dinner Dance

Shamsi, Muhammad Asher - ELE 1T1
Power and Control Systems
Moment: Lifting the Intramural Trophy
Comment: Coming to UofT as an international student has been an exceptional experience. It has been full of highs and lows but an amazing ride nonetheless. One of the proudest moments as an engineering student came when I lifted the intramural trophy representing our very own Skule Club Cricket. There was a point in time where I was regretting choosing Engineering as a major as coping with the workload and the demands of on the world’s best institutions was proving to be too much of an ask. But U of T taught me that only way to face opposition is to man up and face it head on. That is why I would like to thank U of T for giving me amazing friends, moments and mostly knowledge.

Sheikh, Muttee - ELE 1T0+PEY
Electronics
Moment: Getting owned in exams, and then feeling happier afterwards when finding out that everyone else got owned as well.
Job: CEO
Comment: Thanks to UofT for always pushing me in a corner and making me fight my way out as a stronger, wiser and more successful person. Thanks to my family for putting up with my insanity while in Skule. Special thanks to my friends for the laughter, support and encouragement. Now, hide yo kids, hide yo wife and hide yo husbands…because I just became an Engineer!

Siddequi, Haroon Muhammad - ELE 1T1
Moment: when i gived sexism something
wrapped in duct tape
Job: Project Manager
Comment: Practically and innovation were the key. By second year, a student named IQQI was quoted saying, “I am one of the best students in my class.” I was definitely one of the worst. However, I managed to pull through and get a C in the course. The course was all about logic gates and digital circuits. The professor, Dr. J, was very strict and would often yank our grades down. However, I managed to get through it and graduate with a respectable GPA.

Sohil, Wajhat - MEC 1T0+PEY
Moment: Seeing my proud parents at my graduation (yet to happen)
Comment: I still remember my 19 year old self who was tremendously excited on getting his admission offer from UofT. Today, I can confidently say the excitement was worth it!

Su, Steven - ELE 1T0+PEY
Power and Control Systems
Moment: Winter/Summer Vacation
Job: The Light of Dawn
Comment: Well, that’s that. Moving onto the next chapter of my life. Have fun at Skule, and keep it real. Here is a picture of my dog.

Tang, Tang - ESC 1T0+PEY Elec
Moment: [Reserved] Iron Ring Ceremony
Job: [Reserved]
Comment: Well..not much to say other than “Thank you all for the best 5 years of my life”

Tsotsos, Konstantine Nicholas
John - ESC1T1 ECE Robotics
Moment: Realizing 4 years of EngSgl is worth it and first graduate school acceptance
Job: Faculty
Comment: Never gonna give you up, Never gonna let you down, Never gonna run around and desert you. Never gonna make you cry, Never gonna say goodbye, Never gonna tell a lie and hurt you. EngSgl.

Vaey, Bijan - COMP 1T0+PEY
Web and Mobile Technologies
Moment: Everyone spamming CCNET after any midterm!
Job: Founder
Comment: We’ve been through hell and back but remember that we’ve been pushed to limits unknown to others. Don’t underestimate it and make the most of the opportunities that come your way. We have a unique ability to change the future, let’s see where we can take it!

Wong, Yang - ELE 1T0+PEY
Cram Before Exam
Moment: Chasing my pet chicken 2 am in the morning before it died.
Job: Time Traveller
Comment: I had a chicken as a pet for about 8 months. It was the best pet I ever had. I play with it all the time. On Dec 28, it was killed. RIP - Sexy Dragon, aka Sexy China Man, aka Sexy Sexy, aka Sexy Beast From the East

Wong, Rankee Chun-Wang - ESC 1T1 Manufacturing Systems
Moment: Getting moved to a different common room every year.
Job: High-rolling Barker
Comment: Ah, EngSgl…you will certainly be one of those experiences that we’ll never forget. Looking back, although these 4 years have been tough, I am glad, and proud, to say that I have been through it. Thank you to all of you, whether they be a part of my life or not, who have helped me “COUGHPROBLEM$ocurrency”, get through this endeavor. I truly hope that we keep in touch, no matter where we all venture off in our lives and someday get together again and laugh through those good (?) times. I also feel compelled to say that as the “last of the last” in the Manufacturing Systems option, I deserve some extra recognition somehow. In this Skule book 2017.

xx Ellen

Turner, Ellen Delaney - MEC 1T0+PEY
Moment: Wel here we finally are at the end of an unforgetable 5 years...
Job: Founder
Comment: Thanks to everyone who has been right there with me through it all! Lots of love.

Vaez, Bijan - COMP 1T0+PEY
Web and Mobile Technologies
Moment: Everyone spamming CCNET after any midterm!
Job: Founder
Comment: We’ve been through hell and back but remember that we’ve been pushed to limits unknown to others. Don’t underestimate it and make the most of the opportunities that come your way. We have a unique ability to change the future, let’s see where we can take it!

Wong, Yang - ELE 1T0+PEY
Cram Before Exam
Moment: Chasing my pet chicken 2 am in the morning before it died.
Job: Time Traveller
Comment: I had a chicken as a pet for about 8 months. It was the best pet I ever had. I play with it all the time. On Dec 28, it was killed. RIP - Sexy Dragon, aka Sexy China Man, aka Sexy Sexy, aka Sexy Beast From the East

Wong, Rankee Chun-Wang - ESC 1T1 Manufacturing Systems
Moment: Getting moved to a different common room every year.
Job: High-rolling Barker
Comment: Ah, EngSgl…you will certainly be one of those experiences that we’ll never forget. Looking back, although these 4 years have been tough, I am glad, and proud, to say that I have been through it. Thank you to all of you, whether they be a part of my life or not, who have helped me “COUGHPROBLEM$ocurrency”, get through this endeavor. I truly hope that we keep in touch, no matter where we all venture off in our lives and someday get together again and laugh through those good (?) times. I also feel compelled to say that as the “last of the last” in the Manufacturing Systems option, I deserve some extra recognition somehow. In this Skule book 2017.

xx Ellen
Wu, Nicole Nan - ESC 1T0+PEY
Energy Systems
Moment: My year in Spain during PEY
Job: Project Manager
Comment: Proud to be an EngSci! All the best to everyone.

Wu, Emily Y. - ESC 1T0+PEY Comp
Moment: Iron Ring Ceremony
Job: Software Development Engineer
Comment: Live, love, and learn forever!

Yau, Chun Him (Darryl) - ESC 1T0+PEY
Manufacturing Systems
Moment: Slumber parties at Robarts and Bahen computer labs.
Job: CEO
Comment: Going through the Engineering Science program at UofT is like this picture. Climbing up a long flight of stairs on a hot summer morning. It was hard work. If there is one word I would use to describe EngSci, it would be ‘torture’. But at the end of the day, when it is all said and done, you do feel a sense of accomplishment. It does feel great that it is finally over. If someone was to ask me if I would do it again, I would say to them ‘Hell f*cking no!’. But having said that, I am glad that I did go through it. I can’t explain it, but for all my colleagues who have been through this war with me, I am sure you know what I am talking about. I have to thank all of you too. Without you guys, and the support you have provided me over the years, I wouldn’t have made it. Cheers.
Best of luck to all of you in the next stages of your lives! LET’s gettttt it!

Yung Hing Hin, Jean Bernard - ESC 1T0+PEY Comp
Job: Software Architect
Comment: 5 years of undergrad studies... It definitely does not get easier, but it does get better. Ladies and gents, looking back on those years, yes the juice was worth the squeeze. Always keep the flag of UofT high people!

Zhao, Zhiyu - CIV 1T1
Moment: Graduating!
Comment: ’Tis naught but sheer effort that creates legends; ’tis naught but action that shapes worlds. ’Tis not simply words that command empires, but what those words bring; ’tis not simply people that form a nation, but what those people accomplish. Inaction is sin, and I am the sinner. Stay may path. What waits is a procrastinator’s life story. Cleanse myself of this sin. What waits is not a life story, but a legacy.
DMC MINING SERVICES, formerly known as Dynatec Mining Services, is a leading provider of mining contract services. As a thriving and cutting-edge mining company, our focus is on applying the expertise of our employees to attractive projects while pledging to them leading technology and an overriding commitment to safe-work practices.

Great ventures equal great opportunities

Mine Engineering Students & Graduates

You are a safety conscious individual who is seeking a career opportunity in the mining industry. We offer technical and operations challenges to get your career off on the right foot. Technical internships at mine sites or corporate offices will include supporting roles in rock mechanics, cost/benefit analysis, estimating, ventilation, planning, and project management as well as the potential to undertake operations and supervision roles. Entry-level opportunities on surface or underground are dependent on your interest and suitability.

We are very industry competitive and have an entrepreneurial perspective you may only get with a large mining contractor.

For current opportunities, please contact our Human Resources Department directly. We look forward to talking to you about a future career with DMC Mining Services!

Human Resources, DMC Mining Services, 9965 Yonge Street, Suite 200
Richmond Hill, ON L4C 7M4 e-mail: hr@dmcmining.com fax: (905) 786-6721

We thank all applicants for their interest, but wish to advise that only those selected for an interview will be contacted. Please ensure your phone number and address are on your resume. Please attach a copy of all certificates including Common Core, WHS, and First Aid.

Get Plugged In

US banks now allow Alberta Enercon to manage the system but don’t pass power to Albertans. Only Alberta can keep the lights on, managing the system that delivers power to Albertans every day. We’re changing the way we do things by putting the power in our hands and providing a fair, affordable and efficient competitive market for Albertans.

You’re smart, talented, and you want a career in an industry where the challenges and opportunities are limitless. Our energy is critical to the economic development of our region. We’re not just building power, but we’re building communities, contributing to economic growth by providing a fair, affordable and efficient competitive market for Albertans.

Together, we’re building a world powered by the best people, the best equipment, and the best industry practices to keep our economy growing and communities thriving. Together, we’re building power, creating opportunities, and supporting a healthy and active workforce.

Energize your career!

B&W Canada is a world leader in nuclear and thermal-fueled steam generation technology. Applying our strengths in innovation, research and development, we address issues including energy efficiency, clean air, global market competitiveness and the safe and secure resolution for nuclear waste. Our team of over 1,000 highly skilled employees work together to engineer, project manage, manufacture, construct and service cutting-edge products for utilities and industrial customers around the world.

For more information about career opportunities, visit our website at www.babcock.com

Brilliant careers start here.

The opportunity to enable brilliance through innovative engineering is a unique experience. Gennum is a high technology company with a reputation built on its people - creative engineers aspiring to deliver the next leading-edge chips for HD video and high-speed data transmission.

If you are looking for a challenge, then join Gennum’s highly regarded optical, high-speed mixed signal and IP design engineering team, and focus on delivering the world’s most innovative products.

Full-time and internship positions available. For more details visit www.gennum.com/about/careers

Evertz, located in Burlington, is a growing high technology company and a worldwide leader in the design and manufacture of professional equipment for the television broadcast, film, HDTV, IP production and post-production, cable and telco industries.

Congratulations Engineering Graduates!

Kickstart Your Career at Evertz
- Hardware
- Mechanical
- RF
- Software
- Java
- PCB
Variety Opportunity Challenge

Best wishes for continued success.

Aesop stands for:
- Automation
- Equal Opportunity
- Safety
- Training
- Education

www.excoeng.com
Grande Cache Coal Corporation

Grande Cache Coal Corporation (GCCC) is a sustainable, long-term mining operation that produces premium, low volatile, metallurgical coking coal for export to the world steel industry. The mine site is 200 kilometres north of the Town of Grande Cache (www.grandecache.ca), a community of 4000 located within the inner foothills of the Rocky Mountains in west-central Alberta. The Grande Cache area is a paradise for those wishing to experience the outdoors and a relaxed lifestyle.

Grande Cache Coal offers exciting opportunities for various skill sets in a broad range of fields. Make us your choice; for a lifetime experience. We believe you can add value to our organization and we can add value to your career.

The Departments include: Surface Mine Operations, Surface Mine Maintenance, Surface Engineering, Underground Mine Operations, Underground Maintenance, Technical Services, Plant Operations, Plant Laboratory, Human Resources/Payroll, Safety/Security, Environment, Accounting, Purchasing, Warehousing and IT.

Eastern Construction Company Limited

General Contractors
Construction Managers
Design Build

Build your career with Eastern. Contact us about our rewarding career opportunities that will challenge you to be your best, while you learn from the best.

Eastern Construction Company Limited
505 Consumers Road, Ste. 1100
Toronto, ON M2J 5G2
hr@easternconstruction.com

Coco Paving Inc.

949 Wilson Avenue
Toronto, Ontario M9K 1G2
Ph: 416-633-9670
Fax: 416-633-9675
Web: www.cocogroup.com

St. Marys Has Been a Proud Supplier to the Construction Market Since 1912 - Including Ready Mixed Concrete, Cement, ComPlus Slag and Aggregates

www.stmaryscement.com
55 Industrial St, Toronto, Ontario
416-696-4411
challenging gravity…

Every 2.5 seconds, Messier-Dowty’s challenge is to be a top performer. Our landing gear gracefully come down to earth more than 35,000 times a day, ensuring safety and comfort for passengers and flight crews alike. As the world leader in the design, manufacture and support of landing gear systems, landing any aircraft – commercial, military or helicopter – is simply second nature. Our expertise translates into solutions for customers which are more technologically advanced, cost efficient and environmentally responsible, with support capabilities in your time zone.

Our employees, including over 100 engineers, are qualified, resourceful professionals whose skill and experience are unfailled in the industry.

For more information about Messier-Dowty visit our website at www.messier-dowty.com

SARAFINCHIN Consulting Engineers

Geotechnical and Geotechnical Engineering
Geoenvironmental Engineering and Hydrogeology
Construction Inspection, Testing and Monitoring

238 Galaxy Blvd., Toronto, Canada M9W 5R9
416-674-1770 Fax: 416-674-1997 geoang@sarafinchin.com

Watts, Griffis and McOnat

Consulting Geologists and Engineers

Toronto Vancouver Beijing

trusted worldwide

wgm.ca

"Good Luck to the class of 2011!"

Our People Know Nuclear. Our Track Record Proves it.

RCM Technologies Canada Corp. offers exciting career opportunities for new graduates as well experienced personnel in the energy and nuclear power generation industry. Join the team with a track record of proven success delivering engineering solutions to our clients.

Find out how your skills fit into our wide range of services:

- Multi-Disciplinary Design Engineering
- Stress Analysis
- Configuration Management
- Project Management
- Nuclear Safety
- Laboratory Testing
- Equipment Qualification
- Procurement

Contact hr.canada@rmt.com or visit our website today.

RCM Technologies Canada Corp.,
895 Brock Road S., Pickering, ON L1W 3C1
www.rmt.ca

INTEGRAN TECHNOLOGIES INC.

Discover
the Advanced Technology in Today’s Global Steel Industry

Cultivating the Next Generation of Steel Industry Professionals

- Conferences
- Networking
- Training
- Publications
- Industry Resources
- Regional Events

TAMMIE HILTS C.H.R.M.
Human Resources Manager

45 River Drive
Georgetown, Ontario
Canada L7G 2J4

Tel: 905-677-2226 Fax: 905-677-2636
direct line: 905-702-2222 Ex 416
Email: tammy.hilts@cpil.com
Website: www.cpl.com/omc

K. SMART ASSOCIATES
CONSULTING ENGINEERS & PLANNERS
Planning
Structural
Environmental
Land Development
Municipal Drainage
1-800-265-6456
www.ksmart.on.ca
Kitchener, Sudbury, Delhi
New Liskeard, Rainy River

Designing Innovative Hearing Solutions Worldwide

associated
engineering
GLOBAL PERSPECTIVE
LOCAL FOCUS

in touch with our magazine

40 Besley Drive, Kitchener, ON N2H 4X8
877 490 4944 519 855 4100
For career opportunities contact hr@untron.com

WESDOME

The Wesdone Group has mined over 1 million ounces of gold since 1987 and has been named a "Top 20 Gold Producer" by the World Gold Council. We are proud to support tomorrow’s wealth: Wesdome Gold Mines Ltd. www.wesdome.com

Communications & Power Industries

Astonishing solutions for a Wired World

©2010 Integran Technologies Inc. All rights reserved
Sponsor an African Child

Why does a brand new school in northern Ghana get built next to one with a leaky roof? Because the planning process is broken.

Our approach to improving village infrastructure like schools starts with spreadsheets. By training Ghanaian planners and engineers to use data-driven planning, they have the tools to optimize resources—repairing and maintaining old schools and building new ones only when needed.

This is how engineers have real impact on the root causes of poverty.

It’s not sexy. It works.

---

Congratulations on another successful year!

---

POWER YOUR FUTURE

Toronto Hydro is seeking outstanding individuals with a background in Engineering for a variety of Co-op and Full-time positions.

We know the value of experience and strive to build fulfilling careers. We are committed to professional development, have competitive performance-based compensation and benefits and offer ways to give back through our Corporate Social Responsibility program.

Join our award winning team.
torontohydro.com/careers