



LAURENTIAN UNIVERSITY

Chemical Engineering Chapter

LUCHEC EXECUTIVE SUMMARY

2014-2015

Submitted to:
The Canadian Society for Chemical Engineering (CSCChE)



April 30, 2015

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and Vince McIver

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April 30, 2015

Re: CSCHE Student Chapter Merit Award

Dear Awards Manager,

Please find attached an executive summary of the details of the Chemical Engineering student chapter at Laurentian University for the 2014-15 school year. We have summarized a brief introduction of the members of the chapter and then explained the different events that LUCHEC (Laurentian University Chemical Engineering Chapter) held for the students at Laurentian University. We separated the events into Social, Active and Educational Events as each event was intended for specific outcomes for the attending students.

We are very proud of the accomplishments of our chapter as we continue to strive to improve our methods and gain more participation so as to enhance our student's experiences as they study chemical engineering at Laurentian University.

We would like you to consider this document as our application for the CSCHE Student Chapter Merit Award.

Thanks,

Tancred Thomas
LUCHEC President

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1 INTRODUCTION

Chemical Engineering is a relatively new program that is being offered at Laurentian University. In 2012, some students joined together to create what was then known as LUCHE (Laurentian University Chemical Engineering). The group remained stagnant for a whole year, and wasn't revived until last year. The name of the chapter was renamed to LUCHEC, which is the Laurentian University Chemical Engineering Chapter. The chapter was registered with the Chemical Institute of Canada and has since worked tirelessly towards providing social and educational activities for students to enhance their university experience while completing their degrees.

Last year was a challenging year for the chapter, and those experiences enabled us to prepare better for the 2014-15 school year. We've offered many different opportunities to chemical engineering students, and since we're a non-profit organization, we are proud that we've been able to have many events with little expenses being paid by the students. Our budget is \$500 per year and these funds were raised from our annual bowling fundraiser and with the Laurentian University Student's General Association's assistance (SGA). Other funds were raised by providing students with departmental clothing, facilitating gift exchanges and so on.

We're very proud of our accomplishments this year, in particular the growth of registered LUCHEC members from 67 to over 115. We hope that next year the new executive council will be able to provide as many great events and more. The executives from this year have provided tips and are helping with the transition process for the new council members. With approximately 150 enrolled chemical engineering students at Laurentian University, the main focus for next year's executive is to increase the participation levels at events.

This report was prepared to give an overview of what we've done in the 2014-2015 academic year. It does include some selected photographs, although we highly encourage you to visit our website (www.luchec.ca) and click the "events" tab to view more pictures.

2 EXECUTIVES

2.1 ELECTED EXECUTIVES

The elected executives must be voted in by their peers each year during the LUCHEC elections. Candidates prepare speeches and convince students how they can contribute to enhancing the chapter. Listed below are the elected executives of the 2014-15 academic year.

POSITION	NAME
PRESIDENT	Tancred Thomas
VICE-PRESIDENT	Eric Lockwood
SECRETARY	Lauren Woods
TREASURER	Gajanan Raveendran



2.2 APPOINTED EXECUTIVES

Appointed members are chosen by the elected officials and/or by recommendations based on qualifications. In the case where an elected executive loses their position, (as per the constitution), then the remainder of the elected executive will appoint a replacement.

POSITION	NAME
CHIEF TECHNOLOGY OFFICER	Vince McIver
PROMOTIONS/RECRUITMENT SPECIALISTS	Jasmina Omri Mike Khouri
4 TH YEAR REPRESENTATIVE	Jean-Louis Roberge
3 RD YEAR REPRESENTATIVE	Stephane Venne
2 ND YEAR REPRESENTATIVE	Sarah Caron Talbot Jeffery
1 ST YEAR REPRESENTATIVE	Shaelynn Boulianne Chris Campbell

3 ONLINE PRESENCE

This year, the chapter officially launched its website (www.luchec.ca). The website was deemed useful for those students who don't use social media, as well as for potential future sponsors. Each executive member was assigned a personalized email address to enhance communication and to separate LUCHEC related messages and documents from their individual Laurentian email addresses.

The Facebook group grew in "likes" and each post received views by an average of two hundred people. LUCHEC also created a LinkedIn page, geared towards chemical engineering alumni from Laurentian to help promote communication amongst alumni and students looking for co-ops and work terms among other topics of discussion. A twitter account was also created to advertise the next upcoming events and build a stronger online presence.

4 SOCIAL EVENTS

4.1 WELCOME BACK MEETING – SEPTEMBER 20, 2014

The first event was held to introduce the new council. It gave an opportunity for students to suggest ideas for things they'd like to do in the upcoming year. In addition, the year representatives were chosen. Free pizza and beverages were served for the **25 students** that attended.



4.2 PLUCKER'S WINGS NIGHT – OCTOBER 3, 2014

LUCHEC and the Laurentian University CIM MetSoc Student Chapter co-hosted an event for all chemical engineering students and faculty to attend. The event was held at Plucker's Beer Market, and about **30 students** attended. Wings and beverages were purchased for all those who attended, and the bill was split between LUCHEC and the MetSoc Chapter. It was a great beginning social event that provided the opportunity for students to meet their professors and get to know their classmates better.

4.3 GAMES NIGHT – NOVEMBER 8, 2014

This was the first games night that LUCHEC organized and the outcome was very positive. We encouraged students from all engineering disciplines to come to the campus student center where we booked the venue for our event. Pizza and beverages were served, and LUCHEC absorbed most of the costs. We organized ping-pong and pool tournaments, where each player got to play at least twice before being eliminated. This was a great event to socialize after having midterms two weeks prior. In total, about **30 students** attended.

4.4 "I <3 HARRY POTTER" MOVIE NIGHTS – WINTER 2015

This event was launched at the beginning of February 2015, where the executives decided that they would show all eight of the Harry Potter movies throughout the winter semester. LUCHEC was involved in a **Heart & Stroke Foundation** fundraiser, so the executive decided to brand the nights "I <3 Harry Potter", where participants were kindly asked to donate any amount of money they could to support the cause. In total, the chapter raised \$60 during the campaign. On average, about **5 students** would attend each of the movie nights, held on Friday nights.

4.5 BOWLING FUNDRAISER – JANUARY 16, 2015

This was our second annual bowling fundraiser. The executive members sold tickets to friends and family that wished to support LUCHEC's initiatives. In order to raise more funds, a raffle was organized and t-shirts were given as the prizes. The ticket sales and the raffles enabled us to raise \$350 from the **35 participants**.

4.6 KELSEY'S NIGHT – MARCH 5, 2015

This was the last social outing for the academic year. Chemical engineering students were invited to join the LUCHEC council at Kelsey's Bar & Grill, where we arranged to pay \$250 worth of food and drinks for the students. In total, **30 students** attended and had a great night out.



4.7 ELECTIONS FOR UPCOMING YEAR – MARCH 18, 2015

Those wishing to participate on next year's council had to present their platform in front of a group of peers. The audience members asked questions and got to know the candidates better. The polls remained open for several hours afterward. In total, **67 students** casted their vote and a new council was voted in for the 2015-16 school year.

5 ACTIVE LIVING

5.1 INTRAMURAL VOLLEYBALL – WINTER 2015

LUChec put together a volleyball team for chemical engineering students that wanted to participate in the Laurentian University Intramurals held during the winter semester. The team took third place in their division. The roster had **9 students**, who played games every week on Tuesday evenings. The students can be seen in Figure 1.



Figure 1: LUChec Intramural Volleyball Team
Back L-R: Elizabeth Stankiewicz, Tyler Provencal, Brendon Creighton, Joey Fyfe, Jean-Louis Roberge, Tancred Thomas
Front L-R: Frederique Belanger, Mike Khouri, Jasmina Omri

5.2 CROSS-COUNTRY SKI TRIP – MARCH 7, 2015

To promote a healthy lifestyle, our council arranged an afternoon to go and ski in the Laurentian Ski Trails. There were **7 students** that participated on the Sunday afternoon.

5.3 DODGEBALL TOURNAMENT – MARCH 21, 2015

A co-ed dodgeball team was formed, consisting of **8 students** in the chemical engineering program. The dodgeball tournament was hosted by the Laurentian University Intramural group. Although the LUChec team did not rank on the podium, they played strongly and demonstrated their good sportsmanship through each game.

6 EDUCATIONAL EVENTS

6.1 CSCHE CONFERENCE – OCTOBER 19-22, 2014

A few of the executives went to Niagara Falls for the 64th Canadian Chemical Engineering Conference. Our president, Tancred Thomas, received a scholarship and claimed it during the awards dinner. In addition, the LUCHEC chapter received an honorable mention from the student chapter merit awards. Receiving this honorable mention early on in the year encouraged us to continue to dedicate ourselves to providing the best experience to chemical engineering students at Laurentian University.



*Figure 2: LUCHEC Executives in Niagara Falls.
L-R: Eric Lockwood, Mike Khouri, Tancred Thomas, Lauren Woods, Vince McIver*

6.2 VALE COPPER CLIFF SMELTER TOUR – NOVEMBER 18, 2014

This is the 2nd time LUCHEC has provided a tour at Vale for chemical engineering students. As usual, the limited spots filled up quickly, where a total of **11 students** attended. The students were first given an overview of the Vale Nickel Operations in the Sudbury basin, followed by an explanation of a simplified flow sheet of the smelting process. The tour inside the smelter lasted approximately 2 hours, where participants were able to see the tapping of matte and skimming of slag from the flash furnaces. Some of the Vale staff also showed the converting process in action. After the tour, a question and answer period was held in one of the boardrooms. Figure 3 shows some of the students at the event.



Figure 3: Standing outside the Vale Smelter Admin Building – Nov. 18, 2014

6.3 GSU LANDFILL GAS PLANT TOUR – NOVEMBER 11, 2015

A tour was organized for students to go visit the Greater Sudbury Utilities (GSU) Landfill Gas Plant. Many 4th year students benefitted from this tour as the topics discussed and explained at the tour were similar to some of the design projects assigned to the students. A general explanation of the different process stages was provided and students got to see the different types of technology and equipment in use at the location. It was a good opportunity for students to familiarize themselves with landfill gas plants, which are still a relatively new source of renewable energy, especially to northern communities. The tour lasted an hour with **8 students** in attendance.

6.4 LINKEDIN WORKSHOP – MARCH 9, 2015

The chapter held a LinkedIn workshop to show students how to create a LinkedIn profile to maximize the use of the website effectively. The workshop was open to all Laurentian students and not limited to chemical engineering students alone. **7 students** attended the session and the feedback received was very positive.

6.5 LAKESHORE GOLD & GOLDCORP – MARCH 19-20, 2015

A two-day trip was organized for chemical engineering students, particularly for students who are enrolled in the extractive metallurgy option. The MetSoc Student Chapter organized a trip to Timmins, Ontario and extended the offer to **12 students**. All twelve spots were quickly filled once an announcement was made through LUCHEC. The group drove to visit the LakeShore Gold Bell Creek Complex on Friday, and stayed the night in Timmins. The next day was a full day visiting Goldcorp, touring their underground mine and the mill facilities.

7 ROOM UPGRADES

Since many chemical engineering students spend lots of time in the LUChec HQ, we've added new amenities for them to enjoy. The chapter purchased a mini-fridge and acquired a coffee and Tassimo brewer. New sofas were added to the room for students to relax. New whiteboards were added to accommodate the increased frequency of visiting students that needed boards to solve problems in groups. We even purchased a projector and a pair of bluetooth speakers to facilitate events such as the movie nights and also allow students the opportunity to practice their presentations among various other uses. In terms of other educational improvements, we have finally arranged to have Aspen HYSYS and Microsoft Visio installed on the computers inside the room which can enhance the learning capabilities when doing design projects. The room still continues to be a place where students can socialize with fellow classmates and study and ask questions about chemical engineering to their peers.

8 LUChec CLOTHING

With the successful sales of T-Shirts from last year, the executives decided to order sweaters. In total, **36 students** purchased the blue chemical engineering sweaters. After the initial sale of 36 sweaters, two more orders were placed as more students wanted the sweaters resulting in a total of **46 students** buying LUChec sweaters. We are proud of our field of study and encourage students to wear the sweaters anytime we have an event in public. We are already discussing what next year's new piece of clothing will be.



Figure 4: New Chemical Engineering Sweaters

9 THANK YOU

We wish to thank all students who participated in this year's events. We learned a lot about changes that can be made to engage more students in our events and wish the best of luck to next year's executive members.

We'd also like to extend a thank you to the Bharti School of Engineering and the Goodman School of Mines for being able to provide funding for the events that took place out of town. We'd also like to thank the MetSoc Student Chapter's Executives (Vince McIver and Ndiwenyu Malumbela) for collaborating with us when organizing events.

Thank you from our 2014-2015 executive members.



Figure 5: 2014-15 LUCHEC Executives

L-R: Mike Khouri, Sarah Caron, Jasmina Omri, Stephane Venne, Tancred Thomas, Eric Lockwood, Lauren Woods, Vince McIver

CONTACT INFORMATION

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