



**University of British Columbia
Institute of Transportation Engineers
Student Chapter**

**Annual Report
2006-2007**

Report submitted by

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1.0 INTRODUCTION

The 2006-2007 academic year was a great success for the University of British Columbia's student chapter of the Institute of Transportation Engineers. Many familiar faces returned to the executive, but the group also welcomed a number of new executive members from all levels of study and in some cases, members from faculties outside of applied science. All executive members have showed a keen interest in not only promoting transportation engineering among fellow students, but also acting as facilitators of communication between industry and the student body.

The following report summarizes the section's activities between April 1, 2006 and March 31, 2007. Chapter activities typically run from September to April, and as such, some activities have yet to be completed.

2.0 MEMBER ENROLLMENT

The transition of the 2005-2006 executive to the 2006-2007 executive primarily occurred on May 31, 2006, at the annual chapter dinner. However, others have joined the executive throughout the year due to circumstances associated with co-op terms and recruitment processes. The complete list of the 2006-2007

UBC ITE Student Chapter Executive are:

Chapter Advisor	Dr. Tarek Sayed
Acting Chapter Advisor:	Clark Lim, Ph.D.
President:	William Hui, B.A.Sc.
Vice President:	Wook Kang, Ph.D.
Secretary:	Bahaneh Dehghani, B.A.Sc.
Treasurer:	Tanya Duamel, B.A.Sc.
Graduate Student Representative:	Wook Kang, Ph.D.
4 th Year Representatives:	Jonathan Ho, B.A.Sc. Yutaka Tabata, B.A.Sc.
3 rd Year Representatives:	Natasha Elliott, B.A.Sc. Xiangyun Jiang, B.A.Sc.
Immediate Past President:	Karim Ismail, M.A.Sc.
Public Relations Internal:	James Lee, B.A.Sc.
Public Relations External:	Zahra Pirani, B.A.Sc.
Creative Director:	Robert Yau, B.A.
Webmaster:	Caleb Ho, B.A.Sc.

It should also be noted that Mr. Clark Lim (Sessional Lecturer; Managing Director, Bureau of Intelligent Transportation Systems and Freight Security- Applied Science) has kindly stepped in as acting chapter advisor while Dr. Tarek Sayed is away on sabbatical for this academic year.

Spurred by Vancouver's winning Olympic bid, the Greater Vancouver region is undergoing a period of unprecedented growth. As a result, all levels of government have contributed funding towards several high profile projects in the area, including the Golden Ears Bridge, the Gateway Program, the Canada Line, and the Sea to Sky Highway upgrade. These projects have attracted student interest in the field of transportation engineering, and as a result, many students from all levels of study registered and became student members of ITE International this year. In total, there are thirteen (13) members in the executive and forty-four (44) other student members registered with UBC ITE, for a total of fifty-seven (57) registered members. A full list of student membership can be found in the appendix to this report. This is a substantial increase in student membership compared to previous years.

3.0 SUMMARY OF ACTIVITIES

UBC ITE strives to promote the field of transportation engineering through diverse activities such as professional guest lectures, industry night, social events and conferences. The following sections highlight the activities in the 2006-2007 academic year.

3.1. Professional Guest Lecture Series

This year, UBC ITE shifted the focus of professional involvement away from professional guest lectures in order to introduce students to other aspects of transportation engineering. Furthermore, because the local economy has been favorable, many professionals have been busy as of late. And as such, finding professionals to speak have been rather difficult. However, UBC ITE has tentatively scheduled one guest lecture for this academic year for early April. The topic of the lecture will be finalized within two weeks of the publication of this report.

3.2. Traffic Jam

To foster interest in transportation engineering, UBC ITE has taken a new innovative approach to attract participation in chapter activities. The executive felt that the most effective way to engage young engineers was to promote "fun" activities. As such, Traffic Jam was conceived by the executive for this purpose. The chapter purchased five (5) sets of a logic game called *Rush Hour* (see figure on following page). The purpose of this game is to arrange the miniature vehicles by sliding them either horizontally or vertically so that the red car can eventually exit the miniature street network.



For the UBC ITE event, the chapter encouraged students to form teams in order to “solve” the gridlock. Several rounds were played and the time it took for each team to solve the puzzle was recorded using a macro built in-house using Microsoft Excel. The team with the best overall time won. The winners of the chapter’s first Traffic Jam event on 1 November 2006, was the team consisting of Jon Funk, Karen Storry, Tyler Smith and Paul Bourdon. The team was awarded a \$20 Starbucks gift card for their performance. A picture of this team in action is shown below.



Between rounds, UBC ITE took the opportunity to inform participants of the activities related to transportation engineering and to encourage members to join the chapter. To help raise funds, the chapter also took this opportunity to sell pizza and pop for \$1.

Due to the huge success of the event, UBC ITE is hosted a second Traffic Jam event on January 17, 2007. In this incarnation of the event, the chapter had a "Jeopardy"-type game between rounds. Teams had the opportunity to improve their time score by correctly answering questions pertaining to transportation. The winners of this event were Brian Rooney and Robert North, who individually received \$5 gift Starbucks gift certificates.

3.3. Barbeques

At the beginning of the academic year, on September 22, 2006, UBC ITE hosted a welcome back barbeque to promote the chapter's activities. This also presented an opportunity for the chapter to engage in a membership drive. At this event, UBC ITE sold burgers and pop for \$1 each. Furthermore, students had the opportunity to speak with Mr. Thomas Kwan at the barbeque, of the Greater Vancouver Institute of Transportation Engineers.

The exposure that the chapter received that day was unprecedented. Due to the success, the chapter will have a year end barbeque on March 29, 2007. The details of the event will be similar to that of the welcome back barbeque.

3.4. UBCITE/GVITE Industry Night: February 15, 2007

This was the fifth year that the Student Chapter has hosted an Industry Night and Student Paper Competition in conjunction with the Greater Vancouver ITE section. The evening was an excellent opportunity for UBC students to network with professionals in the field. Being in a favorable market, many students were able to speak to potential employers to seek summer employment or employment as an EIT upon graduation.

The chapter was also able to obtain sponsorship from the event from the UBC Civil Department, Bunt and Associates, and Opus Hamilton. Some of the companies that attended industry night included TransLink, the City of Vancouver, Delcan, ISL Engineering and CH2MHill.

The chapter also hosted a Traffic Jam event to showcase the type of activities the chapter was involved with during the academic year. To encourage communication between students and industry, participants were required to form teams that included two students and two industry members. At the end of the night, the “A team”, comprising of Borg Chan (GVITE president), Marcus Siu (Opus Hamilton), Jonathan Funk, and Jonathan Moi won the competition. Each winner received a \$5 gift certificate from Starbucks.

Photographs of the event are shown below.



3.5. Upcoming: Get Hooked on Road Safety Conferences in Geneva, Switzerland (April 23 – 29, 2007) and Montreal, Canada (June 6 – 8, 2007)

Transport Canada is partly sponsoring conferences on road safety in Geneva and Montreal in mid-2007. The president of the UBC ITE student chapter is one of seven candidates selected across Canada to attend the conferences. Tentatively, some cost sharing between UBC ITE and the participant will take place. In return, the participant will expose UBC ITE in a manner suitable for the international arena as well as bring home important lessons learned from the conference, possibly in the form of a presentation in the next academic year. This is an excellent opportunity for the delegate, and it is a testament to the caliber of the type of students that are participating in UBC ITE activities.

4.0 PARTICIPATION IN STUDENT ACTIVITIES AND INITIATIVES

To effectively promote transportation engineering to the student population, UBC ITE has also acted as an advocate on behalf of the profession. The advocacy role is especially important for this academic year since both transportation professors in UBC's Civil Engineering Department are on leave. As such, the chapter has acted as the voice for transportation engineering in the faculty to ensure that the field of transportation engineering was given as much credence as other disciplines such as structural or environmental engineering. UBC ITE was also involved with the UBC Civil Club as well as with industry, which ultimately allowed UBC ITE to effectively act as a liaison between the UBC student population and the transportation industry.

4.1. Curriculum Advocate

As stated earlier, with the absence of the transportation professors this academic year, the advocacy role assumed by UBC ITE is more important than ever. In the summer of 2006, UBC ITE successfully lobbied the civil department to offer a transportation course for fourth year students: Transportation Engineering II.

With the continued absence of the professors in the second term, and with the elimination of the transportation planning and analysis from the undergraduate curriculum, the chapter again need to stepped up to the task and ensure that the mandatory design course offered by UBC Civil Engineering will contain adequate transportation content.

4.2. UBC Civil Club

In the 2005-2006 academic year, UBC ITE was successful in obtaining a recognized position in the UBC Civil Club, an undergraduate student society that represents the interests of the undergraduate civil engineering student population. Being recognized in the Civil Club allows UBC ITE business to be included in the weekly agenda. Furthermore, UBC ITE can coordinate its activities with other groups so as to avoid any conflicts, and to maximize attendance at ITE events.

The participation of UBC ITE in the civil club has also helped to promote the chapter's activities. UBC ITE has also been able to work with other groups in joint activities. Specifically, the chapter has been heavily involved with the activities of the Canadian Society of Civil Engineers (CSCE).

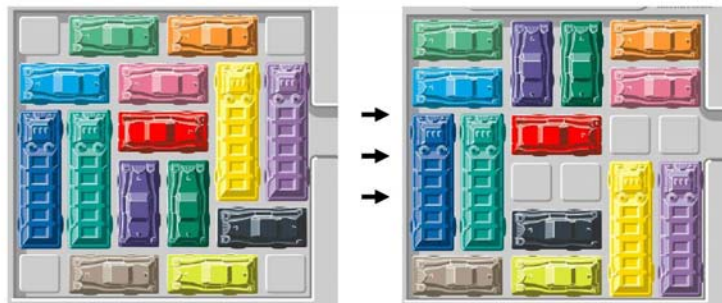
The partnership between the two groups has facilitated a professional working relationship, which has mutually promoted the interests of both parties. Notably, there was significant amount of cooperation for the industry nights that were hosted by both groups in February 2007.

4.3. The Underground Newsletter

The Underground newsletter is a weekly publication associated with the UBC Civil Club. UBC ITE activities are regularly advertised in the Underground. As the publication is available in print format as well as in PDF format on the Civil Club website, the chapter has found it to be an effective means of communications between the executive and the general student population. A sample of the poster that was published in the November 1st 2006 edition of the Underground is shown below.

INSTITUTE OF TRANSPORTATION ENGINEERING (ITE)

Traffic Jam Contest



Wednesday, November 1st
12:00 PM @ CEME 1210

- \$20 Starbucks Gift Certificate for First Place Team!
- Form teams on your own or find a team at the event
- Selling Pizza and Pop \$1 each



Making Transportation Cool

4.4. Industry Involvement

Part of the mandate of UBC ITE is to act as a facilitator between students and industry in the field of transportation engineering. Over the first four months of the 2006-2007 academic year, UBC ITE has embarked on a traffic count program to fulfill this mandate. To introduce students to the field, the chapter offered to provide government agencies and consulting firms with traffic counters should the need arise. Students would provide a short list of credentials and sign up via the chapter. A list of the students would be given to those who are interested in temporarily employing students for traffic counting. This eliminates the need for industry members from having to independently search for students, while allowing students to gain some valuable experience in the field.

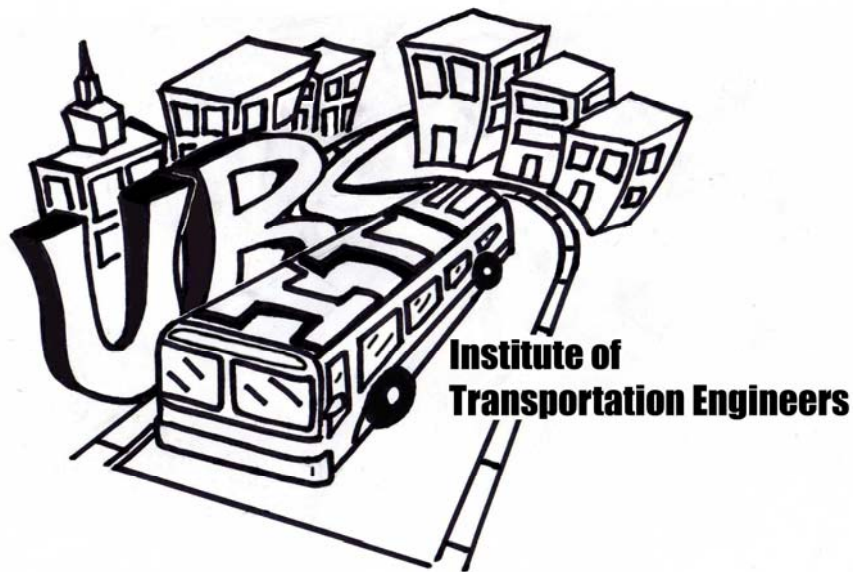
A notable product of this effort involved a partnership with TransLink (the Greater Vancouver Transportation Authority). The manager of the transportation research and technical services department asked the club to provide traffic counters to conduct a series of classification counts. UBC ITE and TransLink mutually agreed on the group of students who were to conduct the counts, and with the Civil Engineering Transportation Group's funding support, UBC ITE aided in the payment of these students. Evidently, the outcome of this scenario was beneficial for all parties involved.

4.5. Public Relations

To effectively promote the chapter, new executive positions have been created for the purpose of public relations. These individuals have actively sought sponsorship in the form of funds and/or promotional material for the chapter's activities. The initial effort was marked with success as the chapter received sponsorship from a variety of sources. With more funding and prizes, the chapter has attracted more attendance at its events. For the financial details of the sponsorship, please see the discussion on Finance, in section 6 of this report.

In order to promote and increase awareness of the student chapter of ITE, a logo was created to establish recognition among the UBC student population (see below). In addition to posters, the website, and emails, the student chapter intends to create t-shirts to display the logo. The intended arrival of the t-shirts is early April 2007, and within a budget of \$500. The shirts will be sold for a small profit (10-15%) at ITE functions and will also serve as possible prizes for UBC ITE events

such as Traffic Jam and Industry Night. The t-shirts will not display the school year in order to be used for future student chapter events.



5.0 UBC ITE STUDENT CHAPTER WEBSITE

Our website (www.civil.ubc.bc/research/ite) has served as an essential means of communication between students and the chapter. Unfortunately, due to the migration of the civil server, of which was not immediately disclosed to UBC ITE, the site has been inaccessible for a good portion of the first semester. The same applies to the chapter email (ite@civil.ubc.ca). As such, the webmaster has relocated the UBC ITE website to a more reliable host at www.ubcite.org. A redirect has been set up on the former site, hosted by the UBC Applied Sciences webserver.

The new site serves as a means for others to obtain information regarding the chapter, such as upcoming events, past activities, photos of events, the chapter's objectives, as well as a list of the executive. For future development, the chapter plans to make the site more interactive. Currently, there is a poll to ascertain what types of activities students would be interested in participating. However, there are plans to expand the website so that students can sign up online for temporary work, such as traffic counting. In addition, the chapter hopes to implement a "job postings" section on the website to help students look for work in the summer or full time positions after graduation.

While there are ambitious plans in the works, the site will continue to serve as a source of information to individuals outside of UBC.

6.0 FINANCIAL SUMMARY

This year UBC ITE has invested in various activities to promote our student chapter and the field of transportation engineering. This year we have also sought industry sponsorship which has proved to be a success. The UBC ITE Student Chapter received funding from the Greater Vancouver Section of ITE, the UBC Department of Civil Engineering, Bunt Associates and Opus Hamilton.

The following is a list of expenses incurred in the 2006-2007 academic year.

BALANCE SEPTEMBER 2006 - DECEMBER 2006					
Item	Expense	Income	Balance	Date	Notes
Balance at the end of September 2006			\$2,053.14	29-Sep-06	
		\$140.65	\$2,193.79	11-Oct-06	Reimbursement
Toys 'R' Us	\$200.00		\$1,993.79	17-Oct-06	Float
Interest	\$112.95		\$1,880.84	27-Oct-06	Rush Hour Games
Starbucks	\$20.00	\$0.17	\$1,881.01	31-Oct-06	
University Pizza	\$47.10		\$1,861.01	1-Nov-06	Prizes
	\$66.00		\$1,813.91	1-Nov-06	Pizza
	\$60.00		\$1,747.91	10-Nov-06	Traffic Count Expense
	\$60.00		\$1,687.91	10-Nov-06	Traffic Count Expense
UBC Financial Services	\$60.00	\$1,500.00	\$1,627.91	14-Nov-06	Traffic Count Expense
	\$40.00		\$3,127.91	16-Nov-06	Civil T.E. Group Payment of Services
	\$40.00		\$3,087.91	20-Nov-06	Traffic Count Expense
	\$40.00		\$3,047.91	20-Nov-06	Traffic Count Expense
	\$40.00		\$3,007.91	21-Nov-06	Traffic Count Expense
	\$40.00		\$2,967.91	24-Nov-06	Traffic Count Expense
	\$40.00		\$2,927.91	24-Nov-06	Traffic Count Expense
Service Charge	\$40.00		\$2,887.91	28-Nov-06	Traffic Count Expense
Interest	\$16.70	\$0.13	\$2,871.21	30-Nov-06	
	\$40.00		\$2,871.34	30-Nov-06	
	\$40.00		\$2,831.34	4-Dec-06	Traffic Count Expense
	\$40.00		\$2,791.34	6-Dec-06	Traffic Count Expense
	\$40.00		\$2,751.34	22-Dec-06	Traffic Count Expense
Service Charge	\$1.70		\$2,749.64	31-Dec-06	
Interest		\$0.23	\$2,749.87	31-Dec-06	
Total Expenses/Incomes	\$944.45	\$1,641.18			

BALANCE JANUARY 2007 - APRIL 2007					
Item	Expense	Income	Balance	Date	Notes
	\$40.00		\$2,709.87	2-Jan-07	Traffic Count Expense
	\$40.00		\$2,669.87	16-Jan-07	Traffic Count Expense
Service charge	\$0.20		\$2,669.67	31-Jan-07	
Interest		\$0.23	\$2,669.90	31-Jan-07	
ITE Year End Dinner	\$75.00		\$2,594.90		Year End Dinner
10 -\$5 Starbucks Gift Cards	\$50.00		\$2,544.90	17-Jan-07	Prizes at Traffic Jam Competition
6 pizza's from University Pizza	\$70.00		\$2,474.90	17-Jan-07	Pizza sold during traffic jam
Return from Pizza sales		\$17.50	\$2,492.40	17-Jan-07	Pizza sold during traffic jam
GVITE Breakfast Meeting	\$80.00		\$2,412.40	25-Jan-07	GVITE Breakfast Meeting
Canada Post	\$3.17		\$2,409.23	15-Dec-06	Mailing membership forms
Staples-Business cards	\$11.80		\$2,397.43	30-Jan-07	Business Cards
Institute of Transportation Eng.	\$17.53		\$2,379.90	16-Nov-06	Membership
Staples- Envelopes, labels	\$20.14		\$2,359.76	30-Jan-07	For sponsorship letters
Canada Post	\$22.05		\$2,337.71	30-Jan-07	For sponsorship letters
Bunt & Associates		\$500.00	\$2,837.71	14-Feb-07	Sponsorship - donation
Institute of Transportation Eng.	\$58.24		\$2,779.47	1-Mar-07	ITE Membership
ITE Industry Night	\$636.52		\$2,142.95	15-Feb-07	Food
Income from Industry Night		\$33	\$2,175.95	15-Feb-07	Sales from Beverages
Civil Department (Industry Night Funding)		\$200.00	\$2,375.95	5-Mar-07	Sponsorship - donation
GVITE (Industry Night Funding)		\$200.00	\$2,575.95	8-Mar-07	Sponsorship - donation
Website fees	\$111.86		\$2,464.09	5-Jan-07	Hosting relocation
Opus Hamilton (Industry Night Funding)		\$100.00	\$2,564.09		Sponsorship - donation
Greater Vancouver ITE Meeting	\$240.00		\$2,324.09		
Year end BBQ	\$150.00		\$2,174.09		
Geneva Road Safety Conference	\$500.00		\$1,674.09		Hooked on Road Safety
T-shirts	\$500.00		\$1,174.09		
End of Year Dinner	\$200.00		\$974.09		
Professional Activities Fund		\$500.00	\$1,474.09		
CITE - Report		\$100.00	\$1,574.09		
T-shirt Cost Recovery		\$250.00	\$1,824.09		Expect 50% cost recovery
Total Expenses/Incomes	\$2,826.51	\$1,900.73			
					Proposed Expenses
					Expected Income

7.0 SUMMARY

The academic year to date for the student chapter of ITE at UBC has been marked with numerous successes. With excellent attendance at the “Welcome Back BBQ” and the “Traffic Jam” events, the executive eagerly looks forward to the “Year End BBQ” and the annual chapter dinner. Those in charge of publicity and marketing are also keen to promote the chapter activities in new and exciting media. Through these and other initiatives, the chapter has accomplished its primary goals of:

- Promoting the field of transportation;
- Enriching the transportation-related knowledge of UBC civil engineering students;
- Demonstrating the possibilities for employment in transportation engineering; and
- Facilitating networking between the local student and professional communities.

APPENDIX: STUDENT CHAPTER MEMBERSHIP

The following is a full list of the student members this year:

EXECUTIVES

1. William Hui
2. Wook Kang
3. Bahaneh Dehghani
4. Karim El-Basyouny
5. Jonathan Ho
6. Yutaka Tabata
7. Tanya Duamel
8. Natasha Elliott
9. Karim Ismail
10. James Lee
11. Zahra Pirani
12. Robert Yau
13. Caleb Ho

STUDENT MEMBERS

- | | |
|------------------------|---------------------|
| 1. Rebecca Aftergood | 23. Christina Lucca |
| 2. Denny Angebata | 24. Bowinn Ma |
| 3. Faezeh Azhari | 25. Antony Mbugua |
| 4. Nicole Babuick | 26. Jonathan Moi |
| 5. Stefanie Bereti | 27. Jagdish Naraina |
| 6. Paul Bourdon | 28. Robert North |
| 7. Tar Deol | 29. Hugh Rection |
| 8. Jon Funk | 30. Brian Rooney |
| 9. Navid Gamini | 31. Saeed Sahami |
| 10. Kathleen Hanley | 32. Joel Shimosama |
| 11. James Henderson | 33. Brian Siefken |
| 12. Shahrzad Honarmand | 34. Tyler Smith |
| 13. Michael Horner | 35. Jobin Sohrabi |
| 14. S.Pouriya Hosseini | 36. Karen Storry |
| 15. Stephanie Jing | 37. Lindsey Tourand |
| 16. Andrew Kugatkouski | 38. Dan Turner |
| 17. Bernard Lai | 39. Matthew Wan |
| 18. Erika Leaysky | 40. Yuko Watai |
| 19. Jacky Lee | 41. Trevor Whitney |
| 20. Simon Lee | 42. Helena Wiegand |
| 21. Ivan Leung | 43. Aidin Zadeh |
| 22. Angela Louie | 44. Mark Zamojc |