Welcome to our 2008 edition of our Building Partnerships newsletter, which is intended to provide our alumni with a summary of activities within the department. This is my last “Headlines” column as I am taking up the position of Vice President (Research) at the University of Guelph effective January 1, 2009. I have thoroughly enjoyed my time at Queen’s, first as a student from 1975 to 1979 and second as a faculty member from 1986 to 2008. It is the people who have made this department. Great alumni and current students, outstanding support staff and faculty have made this the best civil engineering department in the country. I would like to thank Kent Novakowski for agreeing to step in as Head of Department, despite his heavy teaching and research load. Our faculty, students and alumni continue to win key awards and honours in all aspects of engineering and society and you will read more about these in the following pages. The quality of our students continues to improve, and their contributions outside this department and university continue to amaze me. Our department continues to grow at an amazing rate, with over 350 students in years 2 through 4 and over 100 graduate students.

Research is flourishing in the department and our faculty have brought in over $4 million in research funding over the past year, leading the nation’s civil engineering departments in research dollars per faculty member. A large portion of the very innovative research is being undertaken with strategic partnerships to our industry. Many of the results of our research are forming the basis for new guidelines, design manuals and policy for civil engineering practice. We are in the process of hiring three new faculty, expanding our faculty compliment to 17.

The Department is continuing to strengthen our relationship with industry through research and undergraduate teaching initiatives such as the Job Network, Industry Open House, Engineering Forum, Curriculum Development, Collaborative Research and a successful fourth year industry based design course.

I hope you enjoy the newsletter and if you have any ideas or suggestions about how you can help the department succeed or how the department can assist you in your endeavors, please contact Lloyd Rhymer at rhymer@civil.queensu.ca and he will route you to the appropriate individual.

If you didn’t take advantage of last year’s offer to give all our graduating engineers (past and present) an email address for life, in the format X.Jones@ce.queensu.ca, it’s still not too late. Simply contact Bill Boulton at bill@civil.queensu.ca and he will arrange it.

Kevin
Competitive Teams

On May 8th 2008, the Queen's Concrete Canoe Team braved the twenty-two hour train ride to Halifax, Nova Scotia to compete in the 14th annual Canadian National Concrete Canoe Competition (CNCCC) hosted by Dalhousie. The team proudly represents Queen's every year at the CNCCC which was hosted in 2007 right here in Kingston. Their entry, named “The Black Pearl” to go along with their theme of Pirates of the Cataraqui, was a product of countless hours of research, testing, construction and paddling practice put in by undergraduate students in the Department of Civil Engineering.

The team was greeted in Halifax by typically beautiful maritime weather, but it wasn't to last long. Poor weather dominated the rest of the weekend with some areas of Nova Scotia seeing snow, and to the great disappointment of everyone at the competition, race day events were cancelled due to unsafe conditions.

Despite this unfortunate turn of events, the team's spirits remained high. “The competition was an awesome opportunity to meet students from other schools as well as become closer as a team,” says Myra Van Die, a rookie and next year’s Head of Fibreglass. “It’s also a great place to find inspiration, new ideas and ways to improve for next year.”

The team enjoyed renewed interest this past year, especially from first year students, and as a result will have an expanded executive for the coming year. “We’ve got a lot of creative, enthusiastic and experienced people this year, and no shortage of technical knowledge either,” says Edward Watson, incoming Captain. “We tried a lot of new ideas this year. We’ve learned from our mistakes and we’re ready to build upon our experiences. I’m excited to see what happens. This team has nowhere to go but up.”

This year, hoping for some better weather, the team will travel to Montreal where the CNCCC will be hosted by l’Ecole Polytechnique.

The Queen’s Concrete Canoe Team is grateful to all its corporate sponsors, as well as support from Queen’s University, the Faculty of Applied Science and the AMS, without which this team would not be possible. You can find out more about the team and track their progress on their website, http://engsoc.queensu.ca/canoe.

You can find out more about the Canadian National Concrete Canoe Competition at their website, http://www.canoe.polymlt.ca/cnccb2009.

The Queen’s Concrete Toboggan Team is a student run competitive design team who compete annually at the Great Northern Concrete Toboggan Competition (GNCTCR). Each year the team is given the challenge to design and build a five-person toboggan equipped with a steering system, a braking system, a roll cage, and a running surface made entirely of concrete. The teams are evaluated based on the toboggan design, speed, braking and steering, aesthetics, a technical report and oral presentation, and spirit.

In January of 2008, the Queen’s team of 26 students competed in Sherbrooke, Quebec. The team finished in fifth place and was also the first recipient of the Green Team award. This year’s team is made up of 29 members, from a wide range of years and departments. In February, 24 of the team members will travel to this year’s competition in Red Deer, Alberta, the site of the first GNCTCR competition in 1974.

A major part of the team’s success is owing to the benefit it brings to those involved. The competition allows students to gain hands-on experience with concrete and other building materials. It also provides opportunities for students to network with businesses and corporations from across Canada, and for students to learn the skills necessary to be a part of a successful design team. The team has placed in the top five of the competition for the past eight consecutive years, bringing positive exposure to Queen’s University. Involvement in the team and competition promotes innovation and resourcefulness in the students, maintaining Queen’s reputation for producing some of the most successful and sought-after graduates.
Competitive Teams

To remain innovative, the team is always looking for sponsorship. More information about the team can be found on our website: http://grad.ce.queensu.ca/toboggan/ or by email (toboggan@ce.queensu.ca).

The team would like to thank all of our previous and current sponsors – we couldn’t make it down the hill without them!

### 2007-2008 Sponsors
- Lafarge
- EllisDon
- Pultrall
- Kiewit
- Hallsall
- Metalcraft Marine Inc
- Queen’s Alma Mater Society
- Queen’s Department of Civil Engineering
- Queen’s Applied Science Alumni

### 2008-2009 Sponsors and Donors
- Queen’s Applied Science Class of ‘70
- Queen’s Applied Science Class of ‘67
- Queen’s Department of Civil Engineering
- Queen’s Alma Mater Society
- Ber-Mac Electrical and Instrumentation
- Three Streams Engineering
- John Arcovio
- Pultrall
- MetalCraft Marine
- Braeside Fabricators
- The Thompson Rosemount Group
- Canam Manac Group

Civil Club

Civil Club is a group of undergraduate civil engineering students who organize and run civil related events for the undergraduate student population. Civil engineering students at Queen’s University are a tight nit group due to the large amount of extracurricular activities as well as the small class sizes. Such activities include banquets, socials, barbeques and trips.

This year, Civil Club is organizing a trip to Chicago in which over a hundred students have already signed up. Civil trips happen every January and are a wonderful opportunity to become closer with our classmates, as well as to see some great examples of civil engineering in major American cities. One of the goals of Civil Club every year is to facilitate the integration of incoming students into the program. Extra attention is given to making sure that incoming students are included in all events as well as providing them with academic support when needed.

Civil Club also plays a large role in many sanctioned events run within the civil engineering department. Civil Club aids the department in running an industry open house every year, welcoming industry representatives from the biggest engineering companies in North America. In addition, Civil Club aids our graduating students by assembling a resume booklet to be passed out to these industry representatives, in order to ensure that our graduating class is getting ample opportunity to find jobs once they graduate.

In addition to organizing and running events for our fellow students, civil club in itself is a wonderful opportunity for undergraduates to be a part of. Being a member of civil club provides students with a great deal of experience in working with a team for the common goals of a student body. The skills learned through being part of such a group are extremely valuable and will remain with the students throughout their careers.
Thank you for the Generous Gifts to the Department

Thank you to the William & Catherine Hewitson Fund for the wonderful contribution to make our Main Office and Computing Site state of the art facilities.

Thank you to Russ and Marjorie Kennedy for their donation of 60 Hectares of land, log home, large shop and sugar shack. This property has been named the Russell and Marjorie Field Station and will be used by our students to develop their civil engineering skills for years to come.

Renewal, Tenure And Promotion

Leon Boegman’s appointment was renewed for a further three years effective July 1, 2008. Pascale Champagne received Tenure and Promotion to the rank of Associate Professor effective July 1, 2008.

Congratulations to all for well deserved recognition.
Advancement News
for Civil Engineering Newsletter

Our alumni and friends from the Department of Civil Engineering have a long standing tradition of being engaged and involved. Your support allows us to enhance the quality of the educational experience for our students by funding academic chairs, library resources, industry collaborations, and curriculum initiatives. Our students are able to realize their life goals with the invaluable financial support from endowed scholarships and bursaries. As well, gifts to the Department allow us to advance our research efforts with new facilities and equipment.

In the Applied Science Advancement office, our role is to help achieve the educational, professional, and strategic goals of Civil Engineering at Queen’s. For more information on supporting Civil Engineering at Queen’s, or other giving opportunities, please contact:

Joanne Grills, Faculty Advancement Coordinator
Ph: 613-533-6000 ext. 75248  Toll Free 800-267-7837
Email: grillsj@queensu.ca

Jane McMillan, Senior Development Officer
Ph: 613-533-2160  Toll Free 800-267-7837
Email: jane.mcmillan@queensu.ca

Donna Dwyre, Development Officer
Ph: 613-533-6000 ext. 78212  Toll Free 800-267-7837
Email: donna.dwyre@queensu.ca

Lisa Woodcock, Faculty Advancement Officer
Ph: 613-533-6000 ext. 74594  Toll Free 800-267-7837
Email: lisa.woodcock@queensu.ca

PCI Announces 2008 Engineering Design Awards
(Big Beam Contest)
Award Winners – Zonal Winners

Zone 7 Second Place:
Queen’s University, Kingston, Ontario Canada

Faculty Advisor:
Pascale Champagne

Student Team:
Scott Burden, Mark Nelson, Kevin Worley and Jason Yamaoka

CPCI Producer:
Pre-Con Inc., Brampton, Ontario, Canada (Amir Fam)

Award:
$750 along with other prizes
This year’s **OPEN HOUSE** was a **GREAT SUCCESS** with **36 PARTICIPANTS**!

**Thank you to this year’s participants:**

- AMEC Earth and Environment
- Bermingham Foundation Solutions
- Conetec Investigations Ltd
- Decommissioning Consulting Services
- Dillon Consulting
- EBA Engineering Consultants Ltd.
- Halsall Associates Ltd
- Halcrow Yolles
- J. L. Richards & Associates
- McIntosh Perry Consulting Engineers
- McCormick Rankin Corporation
- Marshall Macklin Monaghan
- Ministry of Transportation
- R. V. Anderson
- Read Jones Christoffersen Ltd.
- PCL Constructors Canada Ltd.
- Stantec Consulting Ltd
- Terraprobe Ltd.
- Aqua Terre
- Armtec Limited
- Counterpoint
- David Schaeffer Engineering Ltd
- Ellis Don
- Golder Associates Ltd
- Hatch/ Hatch Energy
- Jacques Whitford Ltd.
- Kiewit Construction
- Knight Piesold
- Malroz Engineering
- Isherwood Associates
- Monteith Building Group
- Neegan Burnside Ltd
- O’Connor Associates
- PCL Constructors Canada Ltd.
- The Sernas Group Inc.
- Thurber Engineering

The 2009 Industry Open House will be held on January 22, and again we are anticipating large number of companies attending. Please contact Cathy Wagar (Industry Open House Coordinator) at 613 533 600 ext 74227 for more information.
CONGRATULATIONS

Sean Watt (MSc Eng) May ’08
currently working for Cataraqui Region Conservation Authority in Kingston, ON

Fawzy Md Ezzein (MSc Eng) May’08

Geof Hall (PhD) May’08
Director, CWE, Queen’s University

Brant Oldershaw (MSc Eng) May ’08
Currently working for Halsall Associates Ltd in Toronto, ON

Hao Tan (MSc Eng) May ’08
Currently working for Stantec in Ottawa, ON

Chenxi Li (MSc Eng) May ’08
Currently working on a PhD at Queen’s University

Matt Cyr (MSC) May ’08

Daniel Baston (MSc Eng) May ’08
Currently working for The Johnson Company in Montpelier, VT, USA

Jason Thorpe (MSc Eng) May ’08

Jamie Miller (MSc Eng) May ’08
Currently working for the Greenhouse Gas Division for Environment Canada in Ottawa, ON

Kevin MacLean (MSc Eng) May’08
Currently working for R.J.C. Consulting

Paul Burke (MSc Eng) May ’08

Jeff Mitchell (MSc Eng) Oct’08
Currently working for Halsall Associates Ltd in Toronto, ON

Michael Melaney (MSc Eng) Oct ’08

Brian Moore (MSc Eng) Oct’08
Currently working for Imperial Oil, Calgary, AB (RRS Project Manager)

Abdul Chehab (PhD) Oct ’08
Currently working for Golder Associates in Whitby, ON

David Elwood (MSc Eng) Oct’08
Currently working for Thurber Engineering, Oakville, ON

Johanna Landherr (MSc) Oct ’08

Hart Honickman (MSc Eng) Oct’08

Xue Wang (MSc Eng) Oct’08

Bryce Daigle (MSc Eng) Oct ’08
Currently travelling around the world

Nancy Ampiah (MSc Eng) Oct’08

Jonathan VanderSteen (PhD) Oct ’08
Currently teaching at Queen’s University and will begin a PostDoc in Guelph in 2009

Simon Dickinson (PhD) Oct ’08
Currently working for TerrAtlantic Engineering Limited in Fredericton, NB

Thomas Woodhall (MSc Eng) Oct ’08
Currently working for BA Consulting Group in Toronto, ON

Lesley Knight (MSc Eng) Oct’08
Currently working for Hemmera, Burnaby, BC

Please send comments and or news to:
Lloyd Rhymer, Department Manager
rhymer@civil.queensu.ca

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