

The Canadian Society for Civil Engineering
La Société canadienne de génie civil

Student Awards Luncheon
Dîner des prix étudiants



HALIFAX

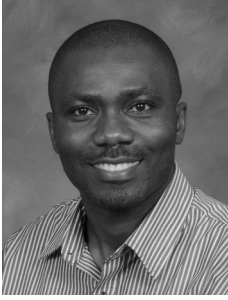
2014 May 28 - May 31
Mai 28 - Mai 31
CONFÉRENCE - CONGRÈS



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MESSAGE FROM THE STUDENT AFFAIRS COMMITTEE



Charles-Darwin Annan, PhD, P.Eng., M.CSCE
Chair, CSCE Student Affairs Committee

The Student Affairs Committee of the Canadian Society for Civil Engineering (CSCE) has had an eventful school year with many exciting initiatives. We have developed new programs to help stimulate early professional consciousness right from our campuses. We provided new resources (e.g. the Student Chapter Guide) to assist in the running of our student chapters and to increase student participation. We introduced the mandatory Annual Report to assist our student chapters plan, organise and manage themselves more professionally. We brought in industry/practitioner advisors to strengthen the relationship between our

student chapters and the local CSCE sections.

Throughout the school year, we constantly connected with faculty advisors, individual student chapters, and regional student chapter groups. Our student chapters are connecting with each other and organising multi-chapter events and programs. They are developing a much better sense of their identity and place within the Society. We have also increased the participation of our undergraduate students in both regional and national events, largely through the introduction of the student chapter leaders' workshop and the national Capstone Competition that take place during the Annual CSCE conference.

There were some transitional challenges (e.g. online student membership application), but we are determined to keep the momentum, by not only addressing these challenges but also strengthening our resolve to making our students take their place as the future of our Society.

MESSAGE FROM CSCE NATIONAL OFFICE



Amie Therrien
CSCE Student and Young Professional Program Coordinator

The Canadian Society for Civil Engineering recognizes that students play an important role within the organization and we are proud to support them in a number of ways. We are currently in the middle of five-year sponsorship agreements with three of the major national student competitions; the Great Northern Concrete Toboggan Race, the CSCE Canadian National Concrete Canoe Competition, and the CSCE Troitsky Bridge Building Competition. The winners of these competitions are recognized at this luncheon and in this booklet but all teams deserve our congratulations, especially the competition

organisers who put in an incredible amount of time and effort to ensure these competitions happen year after year.

There are also competitions held during the conference including the Capstone Competition for senior undergraduate students and the Best Student Paper Competition, which recognizes excellence amongst papers presented at the CSCE Annual Conference.

This booklet also celebrates the winners of the CSCE Hydrotechnical Engineering Award as well as the President's Award for the Best Student Chapter.

GREAT NORTHERN CONCRETE TOBOGGAN RACE



The Great Northern Concrete Toboggan Race (GNCTR), is an annual student-run competition hosted by a Canadian University each winter. The original idea came from the Alberta chapter of the American Concrete Institute who recognized the need for a winter event in response to the popular Concrete Canoe Race held throughout the United States. The competition includes races on snowy slopes, social events, technical presentations, and of course a lot of spirit!

This year's event was hosted by **Western University** in London, Ontario and marked the 40th Anniversary of the competition. Over 400 engineering students on over 20 teams from across the country (including one team from the United States) gathered to compete for the CSCE cup.

CONGRATULATIONS TO THE 2014 WINNERS THE UNIVERSITY OF ALBERTA



Next year's competition will be hosted by UBC School of Engineering Okanagan Campus in Kelowna, BC on January 21 to 25, 2014. If you are interested in being a part of it visit <http://gnctr2015/wp/> or email info@gnctr2015.com for more information.

CSCE TROITSKY BRIDGE BUILDING COMPETITION



The CSCE Troitsky Bridge Building competition is held every year at Concordia University in Montreal, Quebec in conjunction with the Concordia Engineering & Computer Science Association. It began in the 1960's when Dr. Michael S. Troitsky, a professor in the Civil Engineering Department had his students build small scale bridge models with wood and glue. In 1984, the first annual bridge building competition was held for Concordia students and has since grown to include teams from across Canada and the United States. The competition consists of bridge building, presentations, bridge crushing, and a whole lot of fun!

This year's event saw 29 teams from across the country (including one from the United States) compete for the CSCE Cup to see who would be declared the overall winner at the 30th annual competition.

CONGRATULATIONS TO THE 2014 WINNERS CÉGEP DE CHICOUTIMI



The 2015 Troitsky competition will be held once again at Concordia in late February or early March. If you are interested in finding out more email Micha Kindjari at mkindarji@gmail.com or visit <http://troitsky.eaacordia.ca/>.

CSCE CANADIAN NATIONAL CONCRETE CANOE COMPETITION



The first Canadian National Concrete Canoe Competition (CNCCC) took place in 1994 and has been going strong ever since. It is modeled after the annual concrete canoe competition organized by the American Society of Civil Engineering and is held annually in early May. The competition consists of design presentations, races, and social events.

This year's event took place at Université de Sherbrooke in Sherbrooke, Quebec. Eleven teams from across the country tested their mettle at Parc Jacques-Cartier.

CONGRATULATIONS TO THE 2014 WINNERS UNIVERSITÉ LAVAL



Next year's competition will be hosted by the University of Toronto in Toronto, Ontario in early May. For more information visit <http://canoebeton.ca/> or email cnccc2014@gmail.com.

CSCE HYDROTECHNICAL ENGINEERING AWARD

This award is presented annually by the CSCE Hydrotechnical Division for the best Masters' thesis in Canada related to hydrotechnical disciplines. The award is sponsored by Golder Associates Ltd. It is intended to recognize an outstanding Masters' thesis that demonstrates high quality research technique, high quality presentation of the work, and relevance to water engineering and water management in Canada.

Congratulations to the 2014 winner, Peter John Thompson of the University of Waterloo for the thesis "Event Based Characterization of Hydrologic Change in Urbanizing Southern Ontario Watersheds via High Resolution Stream Gauge Data" under the supervision of Dr. William K. Annable.

CSCE CAPSTONE COMPETITION

The CSCE Capstone Competition began in 2013 as a way for senior undergraduate students to showcase their final year, or capstone, project. Each civil engineering program in Canada is able to send one team to represent their school based on their project report. Selected teams are required to distill their project to a poster board and a two minute presentation to be evaluated by industry judges.

The 2nd annual Capstone competition was held at the CSCE Conference in Halifax and featured teams from 13 engineering programs from across the country. The teams were judged on their report, poster design, and presentations. Winners will be announced at the Student Awards Luncheon, recognized on the CSCE website, and the CSCE e-bulletin. The posters will be on display for all conference delegates to view.

Teams participating in the 2014 Capstone Competition:

- The University of Manitoba – Preliminary Design Study for Incorporation of Transit Services through Union Station
- Western University – Thames River Pedestrian Bridge at Boler/Sanitorium Road
- University of New Brunswick – A Plan for an East West Trans Canada Trail through the City of Saint John
- Ryerson University – Design of L.R. Wilson Hall for Studies in Humanities and Social Sciences at McMaster University
- Carleton University – Proposed Bridge Linking Colonel By and Prince of Wales
- Queen's University – Stuart Student Residence
- University of Ottawa – Design of Concrete and Wood Hybrid Structure
- University of Toronto – Gentilly -1: Concrete Containment Building Repair Strategy
- University of Waterloo – Geothermal Foundation Design Project for 70 Fort York Boulevard
- Dalhousie University – Lacewood Bus Terminal
- University of Saskatchewan – SSEWS Canal Assessment – Zelma Reservoir to Manitou Lift Station
- Université de Sherbrooke – Passerelle Cyclo-Pedestre Sorel-Tracy
- UBC Okanagan – Fox River Expansion Building

BEST STUDENT PAPER COMPETITION

The Best Student Paper Competition is held every year at the CSCE Annual Conference to recognize excellence in graduate research papers and presentations..

The 2014 competition includes over 50 students (from Canada and across the world) presenting their papers over the course of the conference in Halifax. The winners will be announced on the CSCE website and in the CSCE e-bulletin.

PRESIDENT`S AWARD FOR THE BEST STUDENT CHAPTER

The President's Award is intended to recognize the most active CSCE Chapters. Submissions are evaluated by the Student Affairs committee and the winners are chosen based on activities and events presented, student engagement, financial stability, goals, and special projects.

This year 24 chapters submitted their annual reports and applications for the President's Award. The quality of activity happening across the country was very impressive and the judges decided to announce two winners as well as some additional recognitions.

CONGRATULATIONS TO THE 2014 WINNERS
BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY



WESTERN UNIVERSITY



RUNNER UP
MCGILL UNIVERSITY

MOST IMPROVED
UBC VANCOUVER

GREAT NORTHERN CONCRETE TOBOGGAN RACE

2013	Western University
2012	Ryerson University
2011	University of Calgary
2010	University of Alberta
2009	University of Manitoba
2008	University of Waterloo
2007	Université de Sherbrooke
2006	Royal Military College of Canada
2005	Carleton University
2004	University of Calgary
2003	University of Manitoba
2002	University of Waterloo
2001	University of British Columbia
2000	University of Calgary
1999	University of Manitoba
1998	University of Waterloo
1997	University of Waterloo
1996	École Polytechnique de Montréal
1995	University of Waterloo
1994	Universität Stuttgart
1993	University of Alberta
1992	Université de Sherbrooke
1991	École de technologie supérieure
1990	École Polytechnique de Montréal
1989	University of Calgary
1988	University of British Columbia
1987	University of British Columbia
1986	Southern Alberta Institute of Technology
1977	University of British Columbia
1975	Southern Alberta Institute of Technology

TROITSKY BRIDGE BUILDING COMPETITION

2013	Cégep de Chicoutimi
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CANADIAN NATIONAL CONCRETE CANOE COMPETITION

2013	Université de Sherbrooke
2012	Université Laval
2011	Université Laval
2010	École de technologie supérieure
2009	École de technologie supérieure
2008	École de technologie supérieure
2007	Université de Sherbrooke
2006	Université de Sherbrooke
2005	Université Laval
2004	Université Laval
2003	Université Laval
2002	Université Laval
2001	Université Laval
2000	Université Laval
1999	École de technologie supérieure
1998	University of Toronto
1997	Université Laval
1996	Université Laval

CSCE HYDROTECHNICAL ENGINEERING AWARD

2013	Philippe St-Germain, University of Ottawa
2013	Sandra Proulx-McInnis, Université de Québec
2012	Abdullah Al Mamun, University of British Columbia
2011	Michael Wagner, University of Alberta
2010	Audrey Roy-Poirier, Queen's University
2009	Adam Auckland, University of Ottawa
2008	Bishnu Gautam, University of Saskatchewan
2007	Shoham Ahmad, University of Western Ontario
2006	Vernon Brown, Queen's University
2005	Twyla Hutchison, University of Alberta
2004	Aurelie Goater, University of British Columbia
2003	Veronique M. Morin, University of Alberta

CAPSTONE COMPETITION

2013	Carleton University
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BEST STUDENT PAPER COMPETITION

2013	Taofiq Al-Faesly, University of Ottawa
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PRESIDENT'S AWARD FOR THE BEST STUDENT CHAPTER

1982-83	McGill University
1983-84	Lakehead University
1984-85	Université Laval
1985-86	University of Toronto
1986-87	Lakehead University
1987-88	University of Calgary
1988-89	University of Calgary & Université Laval
1989-90	Université de Sherbrooke
1990-91	McGill University
1991-92	École Polytechnique
1992-93	Université de Sherbrooke
1993-94	University of Toronto
1994-95	University of Western Ontario
1995-96	Université de Sherbrooke
1996-97	Lakehead University
1997-98	University of New Brunswick
1998-99	University of New Brunswick
1999-00	University of Western Ontario
2000-01	École de technologie supérieure
2001-02	University of New Brunswick
2002-03	Université Laval
2003-04	Université Laval
2004-05	Université Laval
2005-06	Université Laval
2006-07	Université Laval
2007-08	Université Laval
2009-10	University of Western Ontario
2010-11	British Columbia Institute of Technology
2011-12	University of Western Ontario
2012-13	University of Western Ontario

