

Canadian Society for
Civil Engineering



Société canadienne
de génie civil

Student Awards Luncheon Dîner des prix étudiants



MESSAGE FROM THE STUDENT AFFAIRS COMMITTEE



Charles-Darwin Annan, *PhD, P.Eng., M.CSCE*

Chair, CSCE Student Affairs Committee

One of CSCE's three Strategic Direction is '**Growing with the Youth**'. The Student Affairs Committee has, in the past few years, supported this strategic initiative by developing new programs and benefits to support students and help stimulate early professional consciousness. We have recorded some significant success, thanks to the hard work and cooperation of our Student Chapters, the contribution of our Faculty and Practitioner Advisors, and the support of CSCE Local Sections. Now, more than ever, our students feel a real sense of belonging to the CSCE.

In the past year, we have succeeded in providing FREE CSCE student membership to all our student members. We continue to improve the process for our online student membership registration, and we will welcome your feedback and suggestions. We also sent out CSCE SWAG packages (stickers, pens, rulers, highlighters) to individual Student Chapters to help kick off the 2015/2016 school year. We encourage you to update us with your current mailing address and contact information so that your Chapter would not miss out.

Student competitions are a great way for students to challenge themselves and apply their knowledge to projects outside the classroom. We are proud to continue to provide support to the various student competitions around the country to provide opportunities to suit different interests and ambitions. Consult the Student Affairs website for more info. And get involved in your CSCE Student Chapter today and let's work together to make CSCE student membership a rewarding experience.

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!

The 42st edition of GNCTR was hosted by University of Ottawa in Wakefield Quebec. Seventeen teams and 429 students from across North America gathered to compete for the CSCE cup.

CONGRATULATIONS TO THE 2016 WINNERS **Western Engineering Toboggan Team (WETT)**



Next year's competition will be hosted by the University of Manitoba, in Winnipeg from February 8 – 12, 2017. If you are interested in being a part of it visit <http://gnctr2017.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 over 30 teams from across Canada gather in Montreal to see who would be declared the winner of the CSCE Cup

CONGRATULATIONS TO THE 2016 WINNERS MCMASTER UNIVERSITY



The 2017 Troitsky competition will be held once again at Concordia in late February or early March. For more information email troitsky@ecaconcordia.ca or visit <http://troitsky.ecaconcordia.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 McGill University in Montreal, Quebec. Twelve teams from across the country tested their mettle at the Toronto waterfront in Lake Ontario.

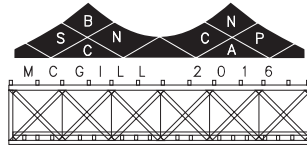
CONGRATULATIONS TO THE 2016 WINNERS ÉCOLE DE TECHNOLOGIE SUPÉRIEURE



Le génie pour l'industrie

McGill University in Montreal, Quebec will host CNCCC/CNCCB in May 2016. Watch the CSCE website and e-bulletin for more details soon.

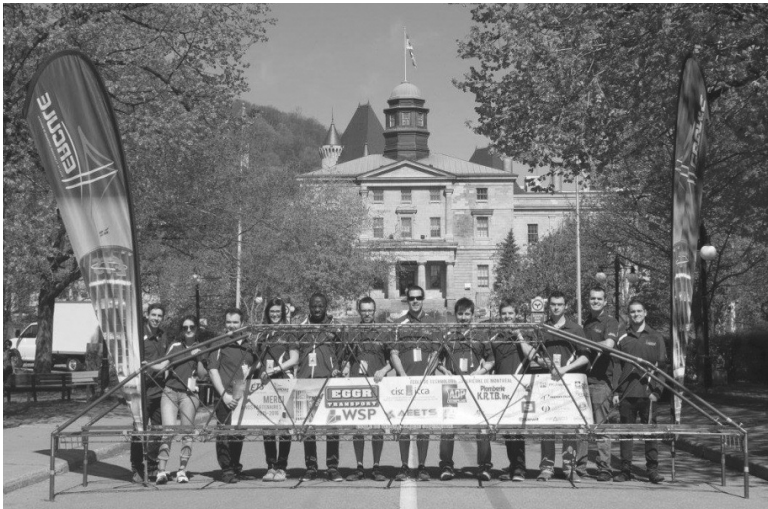
CSCE-CISC CANADIAN NATIONAL STEEL BRIDGE COMPETITION



This year marks the first ever Canadian National Steel Bridge Competition co-organized by the Canadian Society for Civil Engineers and the Canadian Institute of Steel Construction. It is modeled after the National student steel bridge competition co-organized by the American Institute of Steel Construction and the American Society of Civil Engineers. The teams design a steel bridge by themselves and then build it in a timed competition.

This year's event took place at McGill University in Montreal, Quebec. 6 teams from across the country competed on the McGill campus.

CONGRATULATIONS TO THE 2016 WINNERS ÉCOLE DE TECHNOLOGIE SUPÉRIEURE



ÉTS

Le génie pour l'industrie

The host of the 2017 edition of CSCE-CISC Canadian National Steel Bridge Competition will be announced soon. Watch the CSCE website and e-bulletin for more details soon.

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 2015 winner, **James Bomhof** of the University of Ottawa for the thesis “Estimating Flow, Hydraulic Geometry, and Hydrokinetic Power at Ungauged Locations in Canada” under the supervision of Dr. Colin D. Rennie.

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 4th annual Capstone competition at the CSCE Annual Conference in London, ON featured teams from 15 engineering programs from across the country. Winners will be announced at the Student Awards Luncheon and on the CSCE website.

Teams participating in the 2016 Capstone Competition:

- Ryerson University - Structural Design of a Three Span Continuous Semi-Integral
- University of New Brunswick - Replacement of Waterloo Row Bridge
- University of Ottawa - Structural Assessment and Rehabilitation of an Existing Parking Garage
- Queen's University - Structural Design of a Hospital in Southern Ontario
- University of Manitoba - Docking Facility at Gerald Lynch Park, City of Winnipeg
- University of Saskatchewan - Langenburg School Structural Design
- Université de Sherbrooke - Passerelle du Boisé de la rivière Magog, Québec
- Polytechnique Montréal - Conception et aménagement de la future station de métro Bois-Franc
- Université de Moncton - L'augmentation de la capacité en trafic, jonction de la route 11 à la route 15 (NB)
- University of Waterloo - Phase II Final Report for the Flying-Wing Roller Coaster Design Project
- Western University - Ross Park Multi-use pathway bridge over the Thames River
- Carleton University - Albert Island portion of Windmill's Zibi Development - 2015-16 High Performance Building Design Project
- UBC Okanagan - Structural Design of Capital Park Building A1
- Memorial University NF - Eastern Seaboard Dry-dock
- University of Toronto Allen Road Revitalization: William Randell Allen Greenway

CSCE STUDENT PAPER COMPETITION

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

The 2016 competition included over 30 students presenting their papers over the course of the conference in London. The winners will be announced at the Student Awards Luncheon at the conference and on the CSCE website.

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 Student Affairs committee were very impressed by the accomplishments of this year's chapters and decided to recognize the top three chapters, an honourable mention, and two commendations for chapters who have significantly increased their chapter activity from their previous report.

CONGRATULATIONS TO THE 2016 WINNERS

FIRST PLACE

British Columbia Institute of Technology, Burnaby



SECOND PLACE

University of British Columbia,
Vancouver



THIRD PLACE

University of New Brunswick,
Fredericton



HONOURABLE MENTION

University of Calgary

MOST IMPROVED

University of Waterloo
Université de Sherbrooke

PAST WINNERS

GREAT NORTHERN CONCRETE TOBOGGAN RACE

2015	University of Calgary
2014	University of Alberta
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

2015	Cégep de Chicoutimi
2014	Cégep de Chicoutimi
2013	Cégep de Chicoutimi

CANADIAN NATIONAL CONCRETE CANOE COMPETITION

2015	Université Laval
2014	Université Laval
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

2015	James Bomhof, University of Ottawa
2014	Peter John Thompson, University of Waterloo
2013	Philippe St-Germain, University of Ottawa
2012	Sandra Proulx-McInnis, Université de Québec
2011	Abdullah Al Mamun, University of British Columbia
2010	Michael Wagner, University of Alberta
2009	Audrey Roy-Poirier, Queen's University
2008	Adam Auckland, University of Ottawa
2007	Bishnu Gautam, University of Saskatchewan
2006	Shoham Ahmad, University of Western Ontario
2005	Vernon Brown, Queen's University
2004	Twyla Hutchison, University of Alberta
2003	Aurelie Goater, University of British Columbia
2002	Veronique M. Morin, University of Alberta

CAPSTONE COMPETITION

2015	École Polytechnique
2014	Université de Sherbrooke
2013	Carleton University

STUDENT PAPER COMPETITION

2015	Nathan Bruce
2014	Magdy Ibrahim, Concordia University
2013	Taofig Al-Faesly, University of Ottawa

PRESIDENT'S AWARD FOR THE BEST STUDENT CHAPTER

2014-15	University of British Columbia, Vancouver
2013-14	Western University AND British Columbia Institute of Technology
2012-13	University of Western Ontario
2011-12	University of Western Ontario
2010-11	British Columbia Institute of Technology
2009-10	University of Western Ontario
2007-08	Université Laval
2006-07	Université Laval
2005-06	Université Laval
2004-05	Université Laval
2003-04	Université Laval
2002-03	Université Laval
2001-02	University of New Brunswick
2000-01	École de technologie supérieure
1999-00	University of Western Ontario
1998-99	University of New Brunswick
1997-98	University of New Brunswick
1996-97	Lakehead University
1995-96	Université de Sherbrooke
1994-95	University of Western Ontario
1993-94	University of Toronto
1992-93	Université de Sherbrooke
1991-92	École Polytechnique
1990-91	McGill University
1989-90	Université de Sherbrooke
1988-89	University of Calgary & Université Laval
1987-88	University of Calgary
1986-87	Lakehead University
1985-86	University of Toronto
1984-85	Université Laval
1983-84	Lakehead University
1982-83	McGill University

