



Chemical Institute of Canada | ***For Our Future***

Student Awards and Competitions

Terms of Reference and List of Award Recipients

CSC Student Awards and Competitions

Alfred Bader Scholarships are no longer offered. A list of past winners can be obtained from CSC National Office.

Faculty Advisor Award: Presented to one faculty advisor from the CSC who has demonstrated exceptional performance working with students. This award is a Student Chapter nominated award.

Silver Medals: Presented to the top students at each Canadian university entering their final year of chemistry, biochemistry or related programs.

Student Chapter Merit Awards: Recognizes and encourages initiative and originality in Student Chapter programming in chemistry.

Reg Friesen Award for Best Oral Paper: Presented to encourage students to present oral papers of general interest concerning chemical education. These are presented at the four regional student conferences.

Undergraduate and Graduate Student Oral and Paper Competitions: View the most recent Canadian Chemistry Conference and Exhibition website for up-to-date instructions on graduate and undergraduate student competitions.

Canadian Society for Chemistry Student Competitions

Reg Friesen Award for Best Oral Paper: Presented to encourage students to present oral papers of general interest concerning chemical education. These are presented at the four regional student conferences.

Undergraduate and Graduate Student Oral and Paper Competitions: View the most recent Canadian Chemistry Conference and Exhibition website for up-to-date instructions on graduate and undergraduate student competitions.

Canadian Society for Chemical Engineering Student Awards

CSChE Chemical Engineering Local Section Scholarships: For leadership qualities and demonstrated contributions to the CSChE such as participation in Student Chapters as well as academic performance.

Faculty Advisor Award: Presented to one faculty advisor from the CSChE who has demonstrated exceptional performance working with students. This award is a Student Chapter nominated award.

Silver Medals: Presented to the top students at each Canadian university entering their final year of chemical engineering or related programs.

Student Chapter Merit Awards: Recognizes and encourages initiative and originality in Student Chapter programming in chemical engineering.

Canadian Society for Chemical Engineering Student Competitions

Graduate Student Poster Competition: View the most recent Canadian Chemical Engineering Conference website for up-to-date instructions on graduate student competitions.

Reg Friesen Award for Best Oral Paper: Presented to encourage students to present oral papers at the Canadian Chemical Engineering Conference, of general interest concerning chemical education.

Robert G. Auld Oral Paper Competition: Awarded for the best oral paper presented at the Canadian Chemical Engineering Conference on any topic that pertains to some aspect of chemical engineering.

SNC-Lavalin Plant Design Competition: A competition for a team of students enrolled in undergraduate chemical engineering programs at Canadian Universities to create the best plant design.

Canadian Society for Chemical Technology Student Awards

Faculty Advisor Award: Presented to one faculty advisor from the CSCT who has demonstrated exceptional performance working with students. This award is a Student Chapter nominated award.

Silver Medals: Presented to the top students at each Canadian college completing their final year of chemical technology or related programs.

Student Chapter Merit Awards: Recognizes and encourages initiative and originality in Student Chapter programming in chemical technology.

High School Scholarships

Lionel High School Chemistry Scholarship: assist high school students who show an interest in science in their transition to study chemistry or biochemistry but who would not otherwise be able to attend a post secondary institution without significant financial assistance.

CSC Student Awards and Competitions

CSC Faculty Advisor Award

Terms of Reference

The award shall be presented on an annual basis to one faculty advisor from the Canadian Society for Chemistry who has demonstrated exceptional performance working with students to plan and implement Student Chapter activities.

Nominations for this Award shall be made by the Student Chapter at the university at which the faculty advisor teaches.

Deadline: March 31 of every year

Award: A commemorative plaque

Eligibility: The criteria for the award shall include the following:

- Evidence of outstanding leadership by the faculty advisor in creating enthusiasm among Student Chapter members;
- Evidence of creating sustained interest in professional societies;
- Evidence of continuing involvement in Student Chapter affairs.

The award will be presented annually at the annual conference or symposium for the Society. The award winner shall be selected from the teaching faculty at any Canadian university that has a Student Chapter in chemistry.

Nomination: A nomination letter shall be signed by the Chapter President and one other member of the Student Chapter and the head of the department.

Nomination letters shall be accompanied by supporting documentation, including:

- Biographical sketch;
- Curriculum vitae;
- Other pertinent information about the nominee;
- Summary of Student Chapter activities over the past three years, especially those attributable in whole or in part to the efforts of the faculty advisor;
- List of Student Chapter involvement in public or off-campus activities.

Previous winners of the award shall not be eligible to receive the award. Faculty advisors currently serving as Directors or as Officers of the CIC or any of its Constituent Societies shall not be eligible until they have completed their terms.

Each nomination shall remain in force for three years and will be considered annually by the Selection Committee.

Send to: Awards Manager at awards@cheminst.ca.

List of Recipients

Date	Award Winner	University
2016	No award	
2015	Robin Stoodley	University of British Columbia
2014	Judith Poë	University of Toronto at Mississauga
2013	No award	
2012	No award	
2011	Kristopher Ooms	King's University College
2010	Gianna Alemin	Dalhousie University
2009	No award	
2008	No award	
2007	Stephen A. Westcott	Mount Allison University
2006	No award	

2005	Grace Greidanus-Strom	King's College University
2004	Gillian Goward	McMaster University
2003	No award	
2002	No award	
2001	John F. Corrigan	University of Western Ontario

CSC Silver Medals

Terms of Reference

Each year, the CSC awards silver-plated medals to the top students at each Canadian university entering their final year of chemistry, biochemistry or related programs. One award is given for each program.

Award: Silver plated medal and certificate.

Nomination: The Faculty Advisor, Department Head, Awards Officer or other university official provides the CSC Awards Manager with the name of the candidate.

Silver medals may be requested at any time during the school year. Please specify the year for which the medal is being presented.

Send to: Awards Manager at awards@cheminst.ca.

[List of past recipients](#)

CSC Student Chapter Merit Awards

Terms of Reference

The Student Chapter Merit Award is offered as a means of recognizing and encouraging initiative and originality in Student Chapter programming in chemistry.

Deadline: April 1 of every year

Award: An engraved plaque and lapel pin for each executive members of the Chapter for first place. A certificate and lapel pin for each individual awarded an Honorable Mention.

Nomination: The Chapter should prepare its own nomination. Provide a pdf report which includes:
indication of both scientific and social events over the entire twelve month period;
elaboration on what are considered the most important activities;
chapter statistics, including the total number of active members;
level of participation and interest in each activity;
photos or other material may be included.

The award shall be presented annually unless the Committee considers that no suitable candidate has been nominated.

Send to: Awards Manager at awards@cheminst.ca.

List of Recipients

Date	Ranking	University
2016	First Place	University of British Columbia
	Honorable Mentions:	McMaster University
2015	First Place	University of British Columbia
2014	First Place	University of British Columbia
	Honorable Mention	University of Toronto at Mississauga
2013	First Place	University of Toronto at Mississauga
	Honorable Mention	University of Guelph
2012	First Place	University of British Columbia
	Honorable Mention	University of Toronto at Mississauga
2011	First Place	Memorial University of Newfoundland
2010	First Place	University of Toronto at Mississauga
	Honorable Mention	University of Western Ontario
2009	First Place	Dalhousie University and McMaster University
2008	First Place	University of Calgary
	Honorable Mention	Mount Allison University
2007	First Place	University of British Columbia
	Honorable Mention	University of Calgary
2006	First Place	Mount Allison University
	Honorable Mention	University of Calgary
2005	First Place	University of Calgary
2004	First Place	University of Calgary
	Honorable Mention	University of New Brunswick
2003	First Place	University of British Columbia
	Honorable Mention	University of Calgary
2002	First Place	University of Calgary
	Honorable Mention	McMaster University
2001	First Place	Dalhousie University
	Honorable Mention	University College of the Cariboo
2000	First Place	Carleton University
	Honorable Mention	University of Western Ontario
1999	First Place	University of British Columbia
	Honorable Mention	University of Toronto at Mississauga
1998	First Place	Université de Sherbrooke
	Honorable Mention	University of Western Ontario and University of Guelph

1997	First Place	McMaster University
	Honorable Mention	University of Western Ontario and Carleton University
1996	First Place	McMaster University
	Honorable Mention	University of Guelph
1995	First Place	University of Guelph
	Honorable Mention	University of British Columbia
1994	First Place	Acadia University
	Honorable Mention	University of New Brunswick and University of Waterloo

Reg Friesen Award for Best Oral Paper

Terms of Reference

This award is for student papers presented in chemical education sessions at the annual CSC conference or student conferences.

Sponsor: CIC Chemical Education Division

Awards:

First prize: \$350 and a certificate

Second prize: \$150 and a certificate

Eligibility: This competition is open to undergraduate and graduate students presenting an oral paper in any of the following:

the Chemical Education Division (CED) sessions or the technical sessions of the national CSC conference

one of the CSC student regional conferences

The prize is intended to encourage students to present papers of general interest concerning the following: critical evaluation of their educational experiences; innovative learning/teaching strategies and materials; other topics that address chemistry or chemical engineering education.

Judging

A panel appointed by the program chair of the CED at the CSC conference, or the student regional conferences.

Presentations

Prizes for the CSC conference will be awarded at the Chemical Education Division (CED) and CSC Awards Reception or the conference banquets of the regional conferences.

All applications should be submitted to the local Program Chair for Chemical Education Division (for CSC conferences) or the Student Program Chair for the regional conferences

For more information on Reg Friesen, contact the Chemical Education Division

CSC Undergraduate and Graduate Student Oral and Paper Competitions

Many Divisions provide awards for poster and oral presentations at the CSC conference or travel awards for graduate and undergraduate students to attend national or international conferences.

2015 Competition winners

2014 Competition winners

2013 Competition winners

[2012 Competition winners](#)

[2011 Competition winners](#)

[2010 Competition winners](#)

Canadian Society for Chemical Engineering Student Awards

CSCChE Chemical Engineering Local Section Scholarships

Terms of Reference

The CSCChE offers two CSCChE Chemical Engineering Local Section Scholarships annually to undergraduate students in chemical engineering at a Canadian university.

Deadline: April 30 of every year

Sponsor: The Edmonton CSCChE, the Sarnia CIC and the London CIC Local Sections. The scholarships are funded by the proceeds acquired at the 1979 Chemical Engineering Conference held in Sarnia, Ont. (formerly presented as the Sarnia Chemical Engineering Community Scholarship), the 1988 Canadian Chemical Engineering Conference held in Edmonton, Alta. (formerly presented as the Edmonton Chemical Engineering Scholarship) and the 1998 Canadian Chemical Engineering Conference held in London, Ont.

Award: A certificate and \$2,000 cash for each scholarship. Two scholarships will be given out annually.

Eligibility: The applicants must be undergraduate students in chemical engineering entering their final year of studies at a Canadian university. The scholarships will look at leadership qualities and demonstrated contributions to the CSCChE such as participation in Student Chapters as well as academic performance. Applicants must be paid undergraduate student members of the CSCChE.

Application: A letter of application should document contributions to the Society. Please provide a copy of the application including the following:
a transcript of academic performance
two (2) letters of support

Applications should be submitted electronically in pdf format.

Send to: Awards Manager at awards@cheminst.ca.

List of Recipients

Date	Award Winner	University
2016	Cathy Grant	University of Alberta
	Michael Khouri	Laurentian University
2015	Carol Choi	University of Toronto
2014	Tancred Thomas	Laurentian University
2013	Bo Zhang	University of Toronto
	Andrew Olutoye Ojo	McMaster University
2012	Gage Sontag	University of Saskatchewan
	Sean Johnstone	McMaster University
2011	Jervis Pereira	McMaster University
	Joseph Lacasca	University of Calgary
2010	Keith Oxley	McMaster University
	Sharleen Weatherley	McMaster University
2009	Marta Dabrowska	McMaster University
	Rohan Jacob	McMaster University
2008	Rebecca Pinto	University of Alberta
2007	Tanya Khan,	Master University
	Lauren Davies	McMaster University
2006	Sarah Creber	University of Western Ontario
	Rano Matta	University of Toronto

Prior to 2006, two Local Section scholarships were presented: the Edmonton Chemical Engineering Scholarship and the Sarnia Chemical Engineering Community Scholarship.

Edmonton Chemical Engineering Scholarship

Sponsored by the Edmonton CSChE Local Section

2004	Katie Morse	University of Ottawa
2003	no award given	
2002	Kathleen C. Buset	Lakehead University
2001	Alexandre Vigneault	Université de Sherbrooke
2000	Marianne Ariganello	Lakehead University
1999	Theresa Chan	McMaster University
1998	Heather Dupilka	University of Alberta
1997	Isabelle Laroche	Université de Sherbrooke
1996	Kris Heale	Lakehead University

Sarnia Chemical Engineering Community Scholarship

Sponsored by the Sarnia CIC Local Section

2004	Genevieve Gavigan	Queens University
2003	no award given	
2002	Elaine Miasek	McMaster University
2001	Marianne Ariganello	Lakehead University
2000	Jennifer Wu	McGill University
1999	Natalie Tufenkji	McGill University
1998	Emily E. Barr	University of Alberta
1997	no award given	
1996	Émilie Bédard	École Polytechnique

CSChE Faculty Advisor Award

Terms of Reference

The award shall be presented on an annual basis to one faculty advisor from the Canadian Society for Chemical Engineering who has demonstrated exceptional performance working with students to plan and implement Student Chapter activities. Nominations for this award shall be made by the Student Chapter representing the university at which the faculty advisor teaches.

Deadline: March 31 of every year

Award: A plaque

Eligibility: The criteria for the award shall include the following:
Evidence of outstanding leadership by the faculty advisor in creating enthusiasm among Student Chapter members;
Evidence of creating sustained interest in professional societies;
Evidence of continuing involvement in Student Chapter affairs.

The award will be presented annually at the Canadian Chemical Engineering Conference.

The award winner shall be selected from the teaching faculty at any Canadian university that has a CSChE Student Chapter in chemical engineering.

Nomination: A nomination letter shall be signed by the Chapter President, one other member of the Student Chapter and the head of the department.

Nomination letters shall be accompanied by supporting documentation, including:
Biographical sketch;
Curriculum vitae;
Other pertinent information about the nominee;
Summary of Student Chapter activities over the past three years, especially those attributable in whole or in part to the efforts of the faculty advisor;
List of Student Chapter involvement in public or off-campus activities;
Previous winners of the award shall not be eligible to receive the award.

Faculty advisors currently serving as directors or as officers of the CIC or any of its Constituent Societies shall not be eligible until they have completed their terms.

Each nomination shall remain in force for three years and will be considered annually by the selection committee.

Send to: **Awards Manager at awards@cheminst.ca.**

List of Recipients

Date	Award Winner	University
2016	Patrice Farand	École Polytechnique
2015	No award	
2014	No award	
2013	No award	
2012	Redhuane Henda	Laurentian University
2001-2011	No nominations	
2000	Gervais Soucy, MCIC	Université de Sherbrooke
1999	Inderjit Nirdosh, MCIC	Lakehead University

CSCHE Silver Medals

Terms of Reference

Each year, the CSCHE awards silver-plated medals to the top students at each Canadian university entering their final year of chemical engineering or related programs. One award is given for each program.

Award: Silver plated medal and certificate.

Nomination: The Faculty Advisor, Department Head, Awards Officer or other university official provides the CSCHE Awards Manager with the name of the candidate.

Silver medals may be requested at any time during the school year. Please specify the year for which the medal is being presented.

Send to: Awards Manager at awards@cheminst.ca.

[List of past recipients](#)

CSCHE Student Chapter Merit Awards

Terms of Reference

The Student Chapter Merit Award is offered as a means of recognizing and encouraging initiative and originality in Student Chapter programming in chemistry.

Deadline: June 1 of every year

Award: An engraved plaque and lapel pin for each executive members of the Chapter for first place. A certificate and lapel pin for each individual awarded an Honorable Mention.

Nomination: The Chapter should prepare its own nomination. Provide a pdf report which includes:

- indication of both scientific and social events over the entire twelve month period;
- elaboration on what are considered the most important activities;
- chapter statistics, including the total number of active members;
- level of participation and interest in each activity;
- photos or other material may be included.

The award shall be presented annually unless the Committee considers that no suitable candidate has been nominated.

Send to: Awards Manager at awards@cheminst.ca.

List of Recipients

Date	Ranking	University
2015	First Place	Laurentian University
	Honorable Mention	McMaster University
	Honorable Mention	University of Toronto
2014	First Place	University of Toronto
	Honorable Mention	McMaster University
	Honorable Mention	Laurentian University
2013	First Place	McMaster University
	Honorable Mention	University of Toronto
2012	First Place	McMaster University
	Honorable Mention	University of Toronto
2011	First Place	University of Western Ontario
	Honorable Mention	University of Toronto
2010	First Place	McMaster University
	Honorable Mention	Lakehead University
2009	First Place	Lakehead University
	Honorable Mention	McMaster University
2008	First Place	Lakehead University
	Honorable Mention	McMaster University
2007	First Place	Université de Sherbrooke
2006	First Place	University of Toronto
	Honorable Mention	Queen's University
2005	First Place	McMaster University
2004	First Place	McMaster University
	Honorable Mention	Université de Sherbrooke
2003	First Place	McGill University
	Honorable Mention	Université de Sherbrooke
2002	First Place	Lakehead University
	Honorable Mention	McMaster University
2001	First Place	Lakehead University
	Honorable Mention	Université de Sherbrooke
2000	First Place	Lakehead University
	Honorable Mention	McMaster University
1999	First Place	University of Alberta
	Honorable Mention	McGill University
1998	First Place	Université de Sherbrooke
	Honorable Mention	University of Alberta
1997	First Place	University of Alberta

	Honorable Mention	Lakehead University
1996	First Place	Lakehead University
	Honorable Mention	Université de Sherbrooke
1995	First Place	Lakehead University
	Honorable Mention	Université de Sherbrooke
1994	First Place	McMaster University
	Honorable Mention	Université de Sherbrooke
1993	First Place	University of Waterloo
	Honorable Mention	McMaster University
1992	First Place	University of Waterloo
	Honorable Mention	McMaster University

CSChE Graduate Student Poster Competition

View the most recent Canadian Chemical Engineering Conference website for up-to-date instructions on graduate student competitions.

List of Recipients

Date	Ranking	Recipient	University	
2015	1 st place by category			
	Biotechnology	A. K. R. Simidi	University of Saskatchewan	
	General Chemical Engineering	A. Farjoo	University of Alberta	
	Environment	D. A. Kennedy	University of Ottawa	
	Catalysis	N. E. Wong	University of Calgary	
	Oil and	Gas R. Gaikwad	University of Alberta	
	3-Minute Poster Competition (3MPC)			
	1 st place	Vicki Labonté	École Polytechnique de Montréal	
	2 nd place	Catherine Tays	University of Alberta	
	3 rd place	Jonathan Verrett	McGill University	
2014	1 st place	Na Re Ko	Concordia University	
	2 nd place	Amjad El-Qanni	University of Calgary	
	3 rd place	Jeffrey J. Simms	University of Alberta	
2013	No competition held			
2012	1st place	Lobna El Gammel	University of Toronto	
	2nd place	Amit Unadkat	University of Toronto	
2011	1st place	Zahra Isadifur	University of Saskatchewan	
	2nd place	Danish Rizwan	University of Saskatchewan	
	3rd place	Sara Makaremi	University of Western Ontario	
2010	1st place	Danish Rizwan	University of Saskatchewan	
	2nd place	Hadeel Al Neddoff	Ryerson University	

Reg Friesen Award for Best Oral Paper

Terms of Reference

This competition is open to undergraduate and graduate students presenting an oral paper in the student program of the national CSChE conference.

Deadline: See the [CSChE Conference](#) site for the current year's deadline.

Sponsor: CIC Chemical Education Division

Awards:

First prize: \$350 and a certificate

Second prize: \$150 and a certificate

Winners will be announced at the student conference banquet.

Eligibility: The prize is intended to encourage students to present papers of general interest concerning the following:

- Critical evaluation of their educational experiences;
- Innovative learning/teaching strategies and materials;
- Other topics that address chemical engineering education.

Abstract Submission: Abstracts should include the title, presenters' name(s) and a brief summary (100 to 200 words) of the presentation.

Format: The presentations will be 15 minutes in length including a question period. LCDs and a laptop will be available.

Due to time limitations for the competition the number of participants may be limited based on the date the abstract was received, or presentation times may be reduced. A complete list of presenters and times will be announced prior to the conference.

Judging: A panel of 3 judges consisting of representatives chosen from industry, government and academia.

To find out about Reg Friesen, contact the Chemical Education Division

Send abstract to: Awards Manager at awards@cheminst.ca.

List of Recipients

Date	Ranking	Recipient	University
2015	First place	Shane Stutchbury	University of Ottawa
	Second place	Stanislav Sokolenko	University of Waterloo
2014	First place	Philippe Kikongi	Université de Sherbrooke
	Second place	Justine Brodeur	École Polytechnique de Montréal
2013	First place	Katharina Hassel	University of Waterloo
	Second place	Fiona Serack	Queen's University
2012	First place	Lobna El Gammel	University of Toronto
	Second place	Amit Unadkat	University of Toronto
2011	First place	Maxime Bourassa Bédard and François Chainey	École Polytechnique
	Second place	Albert Huynh	University of Toronto
2010	First Place	Albert Huynh	University of Toronto
	Second Place	Matt Wright	McMaster University
2009	First Place	Eric Arsénault	University of Toronto
	Second Place	Jennifer Morrison	University of Alberta
2008	First Place	Fran Lasowski	McMaster University
	Second Place	Andrew Szeto	University of Ottawa
2007	First Place	Mabel Fulford,	McGill University

	Second Place	José Condor-Tarco	University of Regina
2006	First Place	Sonam Mahajan	University of Toronto
2005	First Place	David Si	University of British Columbia
	Second Place	Sara Cooper	University of Alberta
2004	First Place	Agnes Durlik	University of Toronto
	Second Place	Caroline Wilson	University of Alberta
2003	First Place	Reihane Marzoughi	McMaster University
	Second Place	Caroline Wilson	University of Alberta

Robert G. Auld Oral Paper Competition

Terms of Reference

Deadline: See the CSChE Conference site for the current year's deadline

Sponsor: The Robert G. Auld Fund

Award

First prize: \$300 and a certificate

Second prize: \$200 and a certificate

Third prize: \$150 and a certificate

Prizes will be announced at the Undergraduate Student Banquet.

Eligibility: Any student currently enrolled in a Canadian undergraduate chemical engineering program.

Abstract Submission: Submit an abstract of 100 to 200 words that pertains to some aspect of chemical engineering. This can include work experience and educational or social issues affecting the profession, as well as a design or research project. This paper is of a technical nature.

Format: The presentations will be 15 minutes in length including a question period. LCDs and a laptop will be available.

Due to time limitations for the competition the number of participants may be limited based on the date the abstract was received, or presentation times may be reduced. A complete list of presenters and times will be announced prior to the conference.

Judging: A panel of three judges consists of representatives chosen from industry, government and academia.

Send abstract to: Awards Manager at awards@cheminst.ca.

List of Recipients

Date	Ranking	Recipient	University
2015	First place	Spencer Imbrogno	McMaster University
	Second place	Breanna Borys	University of Calgary
	Third place	Chen Fan	University of Toronto
2014	First place	Ryan LaRue	McMaster University
	Second place	Manyi Zhou	University of Toronto
	Third place	Yunan Xu	University of Toronto
2013	First place	Devika Jain	University of Toronto
	Second place	Jeff Cobbletick	McMaster University
	Third place	Jean-Michel Tucky	École Polytechnique
2012	First place	James Coates	McGill University
	Second place	Alexander B. Koren	University of Toronto
	Third place	Kathak Vachhani, M.C. Blaser and C.A. Simmons	University of Toronto
2011	First place	Maxime Bourassa Bédard and François Chainey	École Polytechnique
	Second place	Bo Zhang	University of Toronto
	Third place	Philippe Kilongi and Marie-Noelle Boisclair	Université de Sherbrooke

2010	First Place Second Place	Mercedeh Modir Shanechi Sami Khan and Leah Kesselman	University of Toronto University of Toronto McMaster University
2009	First Place Second Place Third Place	Jennifer Kwong Supraja Sidharan Ankeeta Tatkase	University of Calgary University of Toronto University of Toronto
2008	First Place Second Place Third Place	Dan Wilkramasinghe Solie Gendreau and Marisol Perez Ramas Mabel Fulford	University of Toronto Université de Sherbrooke McGill University
2007	First Place Second Place Third Place	Stefan Sigurdson Eric Arsenault Vivian Hsieh	University of Saskatchewan McGill University University of British Columbia
2006	First Place Second Place Third Place	Martin Lebeuf and Guillaume Dion Tea Tancev Alex Lee	 Université de Sherbrooke University of Toronto University of Toronto
2005	First Place Second Place Third Place	Sebastien Bergeron Amanda D'Cruz François Rivard	McGill University University of Saskatchewan Université de Sherbrooke
2004	First Place Second Place Third Place	Tanya Hauk Karina Lorenzo Sarah Evangelista	University of Toronto University of Toronto McGill University
2003	First Place Second Place Third Place	Gilbert Lahdou Justin Walker Cynthia Grégoire	McGill University University of Alberta Université de Sherbrooke
2002	First Place Second Place Third Place	Monica Farcas N. A. Clark Dominic Sauvageau	McGill University University of Ottawa McGill University
2001	No awards presented		
2000	First Place	Stéphanie Messier and Stéphanie Caouette	Université de Sherbrooke
1994-1999		Names not available	

Hatch Plant Design Competition (formerly the SNC–Lavalin Plant Design Competition)

Terms of Reference

The Canadian Society for Chemical Engineering offers the Hatch Undergraduate Plant Design Competition for students enrolled in undergraduate chemical engineering programs at Canadian universities.

Sponsor: Hatch

Deadline: May 30 of every year

Eligibility: Individuals and groups of undergraduate students registered in chemical engineering programs in Canadian universities during the current academic year are eligible for this award.

To minimize the number of projects to be judged, each chemical engineering department may only submit one entry. The maximum size for a team is five students.

Prizes:

Individual Prizes: Each team member of the first place team will receive a certificate as well as a one year CSChE undergraduate membership. Second and third place team members will receive certificates.

Team Prize: The top team will receive a cash award of \$1,000.

Judging: All entries will be evaluated by a panel of judges drawn from industry, government and universities.

The authors of the best three entries will be invited to present their projects at the Canadian Chemical Engineering Conference, where the judges will make their final decision. See the CSChE Conference site for the current year's finalists

Each of the three finalist teams can claim up to \$350 per team for travel to the CSChE Conference. To claim the reimbursement, the team should forward \$350 in receipts to the Awards Manager following the conference. Design Topic: Please provide your project in electronic format (on CD or by e-mail) to the CSChE Awards Manager. Entries for the competition should contain the following:

- A list of students who performed the work, with their permanent addresses and e-mail addresses;
- A short summary, including a simplified flow sheet of the process;
- A copy of the final report submitted to the university at the end of the project;
- The name of the collaborating organization and the engineers who assisted the students and;
- The submitting professor/department must provide a one to two page "List of Arguments" stating the reasons the project:
 1. Is above level of expectations in terms of quality and/or complexity;
 2. Contains elements of creativity or novelty and;
 3. Required knowledge and /or work exceeding the expected level of undergraduate chemical engineering students.

Statements should be precisely formulated as "bullets." Generalities should be avoided.

The ratio between process information/data given to the students by professors and industrial advisors versus the data and information the students had to find themselves is different for each submission. Therefore to assist in fairly judging the competition, each submitting professor/department must provide a summary statement of the starting information provided to the students as well as information regarding the subject plant such as:

1. Is it an improvement/expansion of an existing plant?
2. Is it a new plant and similar or identical plant exists?
3. Is it a new plant and similar or identical plants do not exist?

Confidentiality: Entries should be accompanied by a letter from the head of the department of chemical engineering, indicating that the information is not confidential. **Send to:** Awards Manager, at awards@cheminst.ca.

List of Recipients

SNC-Lavalin Plant Design Competition

2015

First place: Lakehead University, Natasha Bieniek, Christopher Lock, Ryan Gerlach, Terry Milton, Kayte Sutherland, “Converting Plastics Waste to Straight Run Petroleum Products”.

Second place: McGill University, Mathan Goldstein, Anand Natu, Chantelyn Pineda and Praneet Akilla, “Carbon Capture Facility Design”.

Third place: Ryerson University, Nguyen Pham, Sergiy Rudy and Rana Rahmani, “Design of a Bioenergy System (100kw) From Hog Waste and Grass Silage”.

2014

First place: Lakehead University, Nathan Blundon, Eric Czaczkowski, Travis Roske and Matthew Smith, “Hydrogen Production by Sorption-Enhanced Steam-Methane Reforming”.

Second place: University of Ottawa, Ryan Bekeris, Matthew Hudder, Robert Tyssen, “Benzyl Chloride Manufacturing Facility”.

3rd place: University of Waterloo, Nabeel Jadavji, Jelani Baptiste, Diana Jula and Evangeline Philos, “Combined-Cycle Natural Gas Power Plant with Opportunities to Reduce Environmental Impact”.

2013

First place: Jeremy Hughes, Bruce Scott, Erin Flanagan and Cody Brown, University of New Brunswick, “The Use of Solid Catalyst Technology in the Alkylation of Refinery Grade Propylene”.

Second place: Richard Cezar, Caroline Belzile, Jean-Raphael Boudreault, Geneviève Lecroix, Guillaume Poulin, Université de Sherbrooke, “Ingénierie préliminaire d’un procédé de récupération du phosphate tricalcique présent dans les eaux usées”.

Third place: Seyed Nourbakhsh, Mohammad Meshkaldini, Amirsalar Yaraghi, Pantea Pourhekmat, Jad Madi, Ryerson University, “Adipic Acid Plant Production Design”.

2012

First place: Pierre-Olivier Corcos, Marc-Antoine Lauzon, Philippe Marcotte, Samuel Mercier, François Pelletier-Bouchard, Université de Sherbrooke, Biotechnologie, “Projet sur la biométhanisation des drêches de brasserie”

Second place: Wendy Cheng, Kelsey Gerbrandt, Yvonne Hsieh, Heather Kempthorne, Paul Kim and Cherie Tan, University of British Columbia, “Design of a Carbonated Yogurt Beverage Production Plant in Canada”.

Third place: Dustin MacDonald, Mike MacMillan, Nicholas Marchand, Dalhousie University, “Ethanol Production From Sugarbeets Utilizing Energy Saving Distillation Technologies”.

2011

First place: Sophie Belley, Alexandre Martin-Dubreuil, Louis-Philippe Préfontaine-Dastous, Véronique Normand, Marie-Pier Tétreault, Université de Sherbrooke, “Conception d’une usine de production efficiente de bière”

Second place: Gabriel Manuge, Wei Sang, and Sean Sobey, Dalhousie University, “Production of Ethylene Glycol and Ethylene Oxide”

2010

First Place: Dominic Bellemare-St-Louis, Lee Bourgoïn, Jonathan Deschamps, Marie-Suzanne Gignac, Nicolas Lafleur, Université de Sherbrooke, “Production contrôlée et efficace de vaccins contre la grippe basée sur une technologie de culture cellulaire”

Second Place: Rimaz Abakar, Tariz Amir, Salim Fettaka, Matthew Galarneau, Nabil Hadj-Moussa, University of Ottawa, “HPV Chemical Plant Design Project Final Report Hydrazine Production in Samia, Ontario”

Third Place: Caryn Liberman, Bikram Sandhu, Michael Chu, Pierce Kim, Ronald Tse, University of British Columbia, “Utilization of Hydrogen from Vancouver Landfill Gas”.

2009 (International SNC-Lavalin Plant Design Competition held at the 8th World Chemical Engineering Conference)

First Place: Aleisha McCabe, Grant McCool, Derek Sumner, Oklahoma State University, USA, “Manufacture of Polylactic Acid — Biodegradable Plastic from Renewable Sources”.

Second Place: Tarrant Faloke, Blake Stewart, Soma Bharatiya, Curtis Landon, Reshma Pandher, Sachie Weilakala, Monash University, Australia, “Integrated Gasification Combined Cycle Power Station with Carbon Capture and Storage for Gladstone, Queensland”.

Third Place: Suanne Mahabir, Karen Lenkiewicz, Luke McIntyre, University of Western Ontario, Canada, “Manufacture of Polylactic Acid — Biodegradable Plastic from Renewable” Sources.

2008

First Place: Suanne Mahabir, Karen Lenkiewicz, Luke McIntyre, University of Western Ontario, “Manufacture of Polylactic Acid — Biodegradable Plastic from Renewable” Sources.

Second Place: Allyse Kreiser, Kevin Mamer and Kevin Sundquist, University of Saskatchewan, “Low-Temperature Crystallization Unit for Sulphate and Perchlorate Removal from a Closed System Sodium Chlorate Plant”.

Third Place: Justin Bourret, Marie-Claude Cassista, Mélissa Gaucher, Julie Poudrier and Évelyne Smaers, Université de Sherbrooke, “Production de bactéries pour des fins de traitement des eaux usées”.

2007

First Place: Audrey Bernard, Dominic St-Onge, Pierre-Luc Gagnon, Louis-Ghislain Roy, Emanuelle Plante, Université de Sherbrooke, “Usine de pâte kraft”.

Second Place : Stephanie Dadidovsky, Rami Issa, Jean-Michel Lavoie, Antonina Tosia Lapata, McGill University, “Nickel Nanopowder Production via Chemical Precipitation”.

Third Place : Mark Berscheld, Melissa Bromstar, Rihanna Vanin, University of Saskatchewan, “Bio-Diesel Production at the Lloydminster Upgrader”.

2006

First Place: Jesse Berton, Karyn Ho, Karen Lau, Michael Lee, Elton Lu, Jimmy Sunaryo, Amberley Bailey-Romanko, Shaun Lamoureux, Satya Nookala, Neil Sutherland, University of British Columbia, “Acid Mine Drainage Remediation Britannia Water Treatment Plant”.

Second Place: Sura Ali, Joelle Jureidini, Léonie Rouleau, McGill University “Fiberline Upgrade”.

Third Place: Richard Roda, Michael Beresford, Jeff MacDonald, Dalhousie University, “Liquid Phase Alkylation of Benzene with Ethylene”.

2005

First Place: Karyn Ho, Karen Lau, Elton Lu, Shaun Lamoureux, Jesse Berton, Jimmy Sumaryo, Michael Lee, Amberly Bailey-Romanko, Satya Nookala, Neil Sutherland, University of British Columbia, “Acid Mine Drainage Remediation Britannia Water Treatment Plant”.

Second Place: Sua Ali, Joelle Jureidini, Léonie Rouleau, McGill University, “Fiberline Upgrade”.

Third Place: Michael Beresford, Jeffrey MacDonald, Richard Roda, Dalhousie University, “Liquid Phase Alkylation of Benzene with Ethylene”.

2004

First Place: Beatriz Myra Alvarade, Ethan DeFord, Rima Manneh, McGill University, "Atmospheric Hydrochloric Acid Leach of Nickel Laterite Ore".

Second Place: Karine Belanger, Nathalie Camire, Philippe Chouinard, Jean-Philippe de Serres, Nicole Desnoyers, Catherine Dubrueuil, Maxim Duchesne, Pierre-Luc Girard, Dragana Hann, Daniel Laflamme, Francois Laflamme, Odile Lamarche, Julie Tremblay, Université de Sherbrooke, "Rapport d'ingenierie preliminaire pour la production de biodiesel".

Third Place : Khaled Abdel-Gawad, Mustafa Al-Sabawi, Wailan Chen, Derek Daniher, University of Western Ontario, "Hydrocracking of Vacuum Gas Oil".

2003

First Place: Heidi Brochu, André LeBlanc, Pierre Belleau, Université de Sherbrooke, “Étude Préliminaire Usine H₂O₂”.

Second Place: Nusrat Choudhury, Laura DeSimini, David Shaddick, McGill University, “El-Outaya Salt Purification Plant”.

Third Place: Erin Egan, Sailaja Potaraju, Mohammed Sabha, Jonathan Stoltzfus, McGill University, “Lube Oil Re-Refining Plant”.

2002

First Place: Amer Ebied, M. Ali Soleymannezhad and Landry Biles, University of Western Ontario, “Polyisobutylene-Polystyrene Block Co-polymerization by Batch Process”.

Second Place: Allison Flinn, Joanna Premock and Krista Presseault, University of Western Ontario, “Production of Methanol from Heavy Oil Residues”.

Third Place: Gaetan Gobeil and Karthik Selvam, University of Saskatchewan, “Fuel Ethanol Plant Design”.

2001

First Place: Francis Chua, Aaron Grover, Yung Hoang and Milena Vujic, University of Western Ontario, “The Treatment of Spent Pickling Liquor”.

Second Place: Mike Burgoyne, Brenda Yun Chen, Ryan Davies, Heather Dobson, Ben Goodier, Christian Hluchy, Genevieve Kenny, Mark Lee, Maninder Mangat, Edward Muliawan, Trevor Roberts, Manpreet Sidhu, Nathaniel Stoffelsma and Marnie Williston, University of British Columbia, “Design of a World-Scale Aniline Plant”.

Third Place: Tim Barnstable, Cameron Brown and Ryan Spelay, University of Saskatchewan, “Retrofit of PCS Allan Mine Flotation Circuit”.

2000

First Place: Ali Al Saleem and James Kokonas, University of Saskatchewan, “Installation of a Turboexpander for Power Recovery from a Natural Gas Letdown Station”.

Other Finalists: McGill University and Dalhousie University

1999

Finalists: Julie Bailey and Scott Nauss, Dalhousie University; Ash/Hobin/MacIntyre, Dalhousie University and; Blok, Di Palma, Haley, McGill University

1998

First Place: Alyssa Park, Jason Tcheng, University of British Columbia

Other Finalists: University of Western Ontario and McGill University (2 teams)

1997

Finalists: Université de Sherbrooke, École Polytechnique and Technical University of Nova Scotia

1996

Not available

1995

Not available

1994

Not available

1993

First Place: Randy Miller, David Scott, Nancy Irwin, Shaffiq Jaffer, University of Alberta, “Chlor-Alkali Production Using a Membrane Process”.

Other Finalists: Queen’s University and University of Saskatchewan

1992

Finalists: McGill University (2 teams) and University of Saskatchewan (2 teams)

1991

First Place: Kelly Knorr and Kevin Dorma, University of Saskatchewan, “Ethylene Plant”.

Other Finalists: McGill University and University of Saskatchewan

SNC Plant Design Competition

1990

First Place: M. Al-Jah, K. Farahbaksh and T. Moser, Technical University of Nova Scotia, “Feasibility Study for the Development of an Ethylene and Propylene Plant in Nova Scotia”.

Other Finalists: McGill University and University of Calgary

1989

First Place: Yvette Bayers

1988

First Place: Paul Brown, Pak Kai Yuet and Lisa Chan, Technical University of Nova Scotia, “Preliminary Study for the Production of Propylene and Ethylene in Nova Scotia”.

Other Finalists: University of New Brunswick and University of Toronto

SNC FW Plant Design Competition

1987

First Place: Ian Douglas, University of Western Ontario “The POXM (Partial Oxidation of Methane)”.

Other Finalists: University of Alberta and University of Toronto

CSCHE Plant Design Competition

1986 (this was a written competition only, posters were introduced in 1987)

First Place: John Garofalo, Carmine Fontana, Julia Lewis, Giancarlo Sansalone, Sherman Wu, Tacoma Zach, University of Toronto, “Feasibility/Design Student of a Heavy Oil Upgrader” .

No runner-ups named

Canadian Society for Chemical Technology Student Awards

CSCT Faculty Advisor Award

Terms of Reference

The award shall be presented on an annual basis to one faculty advisor from the Canadian Society for Chemical Technology who has demonstrated exceptional performance working with students to plan and implement Student Chapter activities. Nominations for this award shall be made by the Student Chapter at the college at which the faculty advisor teaches.

Deadline: March 31 of every year

Award: A commemorative plaque

Eligibility: Criteria for eligibility for the award includes:

- Evidence of outstanding leadership by the faculty advisor in creating enthusiasm among Student Chapter members;
- Evidence of creating sustained interest in professional societies;
- Evidence of continuing involvement in Student Chapter affairs.

The award will be presented annually at the CSCT Student Symposium or a local event.

The award winner shall be selected from the teaching faculty at any Canadian college that has a Student Chapter in chemical technology.

Nomination: A nomination letter shall be signed by the Chapter President and one other member of the Student Chapter and the head of the program.

Nomination letters shall be accompanied by supporting documentation, including:

- Biographical sketch;
- Curriculum vitae;
- Other pertinent information about the nominee;
- Summary of Student Chapter activities over the past three years, especially those attributable in whole or in part to the efforts of the faculty advisor;
- List of Student Chapter involvement in public or off-campus activities;
- Previous winners of the award shall not be eligible to receive the award.

Faculty advisors currently serving as directors or as officers of the CIC or any of its Constituent Societies shall not be eligible until they have completed their terms.

Each nomination shall remain in force for three years and will be considered annually by the selection committee.

Send to: Awards Manager at awards@cheminst.ca.

List of Recipients

Date	Award Winner	University
2000	Aminmohamed K. Hirji	Southern Alberta Institute of Technology

CSCT Silver Medals

Terms of Reference

Each year the CSCT awards a silver-plated medal to the student with the highest marks completing his or her final year of studies at each chemical, chemical engineering or biochemical related technology program at Canadian colleges

Award: Silver plated medal and certificate.

Nomination: The Faculty Advisor, Program Head, Awards Officer or other university official provides the CSCT Awards Manager with the name of the candidate. Silver medals may be requested at any time during the school year. Please specify the year for which the medal is being presented.

Send to: Awards Manager at <mailto:awards@cheminst.ca>.

[List of past recipients](#)

CSCT Student Chapter Merit Awards

Terms of Reference

The Student Chapter Merit Award is offered as a means of recognizing and encouraging initiative and originality in Student Chapter programming in chemical, chemical engineering and biochemical technology and related programs at Canadian colleges.

Deadline: April 1 of every year

Award: An engraved plaque and lapel pins for executive members of the Chapter for first place. Certificates and lapel pins for Honorable Mention.

Nomination: The Chapter should prepare its own nomination. Provide a pdf report which includes:

- Indication of both scientific and social events over the entire twelve month period;
- Elaborate on what are considered the most important activities;
- Chapter statistics, including the total number of active members;
- Level of participation and interest in each activity;
- Photos or other material may be included.

The award shall be presented annually unless the committee considers that no suitable candidate has been nominated.

Send to: Awards Manager at awards@cheminst.ca.

List of Recipients

Date	Ranking	University
2007	First Place	Mohawk College
2006	First Place	Mohawk College
2005	First Place	Mohawk College
	Honorable Mention	SIAST, Kelsey Campus
2004	First Place	Mohawk College
2003	First Place	Mohawk College
2002	First Place	SIAST, Kelsey Campus
	Honorable Mention	Mohawk College
2001	First Place	Algonquin College
	Honorable Mention	SIAST, Kelsey Campus
2000	First Place	Southern Alberta Institute of Technology
1999	First Place	New Brunswick Community College
	Honorable Mention	SIAST, Kelsey Campus and Mohawk College
1998	First Place	SIAST, Kelsey Campus
	Honorable Mention	Algonquin College
1997	First Place	Algonquin College and SIAST, Kelsey Campus
	Honorable Mention	Mohawk College
1996	First Place	Algonquin College
	Honorable Mention	Mohawk College
1995	First Place	Mohawk College

High School Scholarships

Lionel High School Chemistry Scholarship

Terms of Reference

About the Scholarship

The Lionel High School Scholarship has been established to assist high school students who show an interest in science in their transition to study chemistry or biochemistry at a post-secondary institution (2-year college or cégep pre-university program or university program) but who would not otherwise be able to attend without significant financial assistance. Selection is based on achievement in school, interest in chemical-related studies, as well as financial need. The scholarship is given towards first year tuition in the program.

Sponsor: Lionel Foundation

Scholarship Amount: \$4,000

Eligibility

To be eligible for this Scholarship, high school students must:

- Be a Canadian citizen or permanent resident.
- Have shown an interest in chemistry related studies.
- Plan to enroll in a bachelors program in chemistry or biochemistry at a Canadian university, a pre-university 2-year program at a college or cégep, within the year of graduation from high school
- Demonstrate need for financial assistance.

How to Apply

Eligible students should submit the following by March 1 of each year:

- Letter outlining future goals and plans to achieve them
- Official High School Transcripts
- At least one Letter of Recommendation (high school science teacher/ guidance counsellor or other school official)
 - The letter should include a description of the applicant's enthusiasm and commitment toward a chemistry-related career, as well as their academic success.
 - If the student has participated in any other science outreach activities a letter of recommendation from the coordinator would be useful. (Canadian Chemistry Contest, Canadian Chemistry Olympiad, National Chemistry Week, etc.).
- Demonstrated need for financial assistance
- Provide names of other scholarships received.

ADDITIONAL DOCUMENTS

- Other documents showing interest or financial need such as reports, abstracts, personal statements, resumes, reference letters may also be included.

List of Recipients

Date	Recipeint	High School
2016	Jastina Aujla	Crofton House School, Vancouver, BC