Canadian Society for Chemical Engineering /Société canadienne de génie chimique

SNC-Lavalin Plant Design Competition Winners

2010
***First Place*:**: Dominic Bellemare-St-Louis, Lee Bourgoin, 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 Sarnia, 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 — Biodegrdable 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 — Biodegrdable Plastic from Renewable" Sources.

2008
***First Place*:** Suanne Mahabir, Karen Lenkiewicz, Luke McIntyre, **University of Western Ontario, "**Manufacture of Polylactic Acid — Biodegrdable 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 Treament 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, **Universite 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 H_2O_2“.
Second Place: Nusrat Choudhury, Laura DeSimini, David Shaddick, **McGill University**, “El-Outaya Salt Purification Plant”.
Third Place: Erin Egan, Sailaja Potaraju, Mohammed Sabha, Jonathan Stolztfus, **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: Dalhousie University (2 teams) and 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