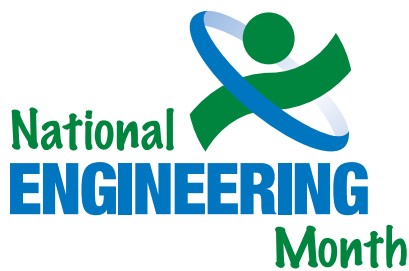


[NATIONAL ENGINEERING MONTH]



2011 ONTARIO EVENT HIGHLIGHTS

National Engineering Month (NEM) is a Canada-wide, month-long celebration designed to raise awareness of engineering and engineering technology and the contributions they make to our daily lives. It also encourages young people to consider careers in the engineering field. Each province and territory selects a suitable week. This year, Ontario will be celebrating engineering from February 26 through March 6. More than 100 volunteer-staged events will take place throughout the province, offering a great opportunity to have fun, whether you decide to volunteer or simply attend an event with your family. For more information on volunteering and an up-to-date listing of NEM Ontario events, visit www.engineeringmonth.on.ca and click on Event Calendar.

Watch for the special supplement in *The Globe and Mail* on Thursday, February 24.

BARRIE

3RD ANNUAL SIMCOE-MUSKOKA BRIDGE-BUILDING COMPETITION

PEO's Simcoe-Muskoka Chapter invites students from the Simcoe and Muskoka regions to put their bridge-building creativity to the test! Contact Trevor Bolt, P.Eng., simcoe-muskoka@peo.on.ca.

BELLEVILLE

8TH ANNUAL POPSICLE STICK BRIDGE-BUILDING COMPETITION

March 5, 9 a.m. to 1 p.m. PEO's Quinte Chapter invites students to take on the challenge of building a popsicle-stick bridge. Meet local engineers and find out more about this exciting career! Contact Heide-Marie Ross, P.Eng., heideline@hotmail.com.

BRAMPTON

BRIDGE-BUILDING CHALLENGE

PEO's Brampton Chapter invites students from the Peel District and Dufferin-Peel Catholic school boards to participate in a bridge-building challenge. Contact Desmond Gomes, P.Eng., 905-951-5000, ext. 3537.

BROCKVILLE

8TH ANNUAL BRIDGE-BUILDING COMPETITION

Members of PEO's Thousand Islands Chapter visit local area schools to promote the engineering profession, discuss engineering principles and conduct bridge-building competitions right in your school. Contact John Ireland, P.Eng., 613-285-4573.

CHATHAM

ANNUAL IMPROMPTU DESIGN

COMPETITION PEO's Chatham-Kent Chapter hosts an impromptu design competition for local elementary and high schools. Students will be given a task and materials to design and construct their solution to a problem. Contact Shane McDowell, EIT, 519-436-4600, ext. 2842.

CORNWALL

CORNWALL ENGINEERING IDOL COMPETITION

Cornwall Mall PEO's Upper Canada Chapter hosts its first "engineering idol" competition, a game-style engineering project. Contact John St. Marseille, P.Eng., at 613-933-5602.

GUELPH

GUELPH ENGINEERING BRIDGE-BUILDING AND INFO SESSION

March 6, 10 a.m. to 4 p.m., Stone Road Mall The Guelph University Engineering Society will present a poster highlighting engineers' roles and organize a bridge-building model, where children will create a large bridge out of popsicle sticks. The bridge will be on display for the university's College Royal, the campus open house. Contact Matthew Zaverl, 519-362-9953, or mzaverl@uguelph.ca.

KINGSTON

11TH ANNUAL POPSICLE STICK BRIDGE-BUILDING COMPETITION

March 5, Queen's University, Ellis Hall PEO's Kingston Chapter challenges Kingston-area elementary school students, adults, and local scout troops to construct the strongest bridge possible using popsicle sticks. Contact Brenden MacKinnon, P.Eng., 613-384-2713.

OPEN HOUSE DAY AT QUEEN'S UNIVERSITY ENGINEERING

Queen's University The Engineering Student Society invites local middle and high school students to take part in mini-design projects, educational presentations, and other activities highlighting the importance and value of engineering. Contact Josh Levitan, 613-533-6008.

[NATIONAL ENGINEERING MONTH]

KITCHENER

DROP-IN K'NEX CONSTRUCTION WORKSHOPS February 26-27 and March 5-6, 10 a.m. to 5 p.m., The Museum Engineering and technology volunteers help children ages six and over create wonderful structures using K'NEX. Special features include a bridge-building challenge. Volunteers are needed to make this workshop successful. To sign up, visit the Volunteer Opportunities section at www.engineeringmonth.on.ca.

LONDON

DROP-IN K'NEX CONSTRUCTION WORKSHOPS February 26-March 6, 10 a.m. to 5 p.m.; March 4 (closed February 28), 5 p.m. to 8 p.m., London Regional Children's Museum Engineering and technology volunteers help children ages six and over create wonderful structures using K'NEX. Special features include a bridge-building challenge. Volunteers are needed to make this workshop successful. To sign up, visit the Volunteer Opportunities section at www.engineeringmonth.on.ca.

ENGINEERING MONTH CELEBRATION PEO's London Chapter hosts events to increase public awareness about the engineering profession:
February 26-March 6: K'NEX Building Competition at the Children's Museum
February 26: Paper Airplane Toss Competition and Bridge-busting Competition
February 28: Kick-off Luncheon
March 1: LEED Building Tour
March 2: Diamond Aircraft Tour
Contact Maha El-Birani, P.Eng., 519-694-4755.

NRC-IRC-IMI TOUR March 4, 12:30 p.m. to 2:30 p.m., University of Western Ontario Research Park, 800

Collip Circle PEO's London Chapter organizes a tour of NRC's Institute for Research in Construction (NRC-IRC), Centre for Computer-assisted Construction Technologies (NRC-CCCT) and NRC-IMI Centre for Automotive Materials and Manufacturing (CAMM). Contact George Biljan, P.Eng., 519-430-7048, or george.biljan@nrc.gc.ca.

ANNUAL GUIDING EXPLORING TECHNOLOGY-SCOUTING EXPLORING TECHNOLOGY (GETSET) OACETT's London Chapter presents a hands-on technology day for guides and scouts with interactive displays, technical demonstrations and design challenges. Contact Peter Nicholas, CET, 519-878-0942.

WESTERN ENGINEERING BONANZA March 3, 8:30 a.m. to 2 p.m., University of Western Ontario The Undergraduate Engineering Society at the University of Western Ontario invites local high school students to meet engineering professors and students, tour the facility, and participate in interactive presentations and design competitions. Contact Julia Tsaltas, 519-668-6799, or ues.outreach@uwo.ca.

MISSISSAUGA

BRIDGE-BUILDING CHALLENGE 2011 March 5, 8:30 a.m. to 2 p.m., Tomken Road Middle School PEO's Mississauga Chapter invites grades 7 and 8 students from Mississauga schools to design, construct and crush-test bridges made of popsicle sticks. Contact Khaled El-Rahi, P.Eng., 416-677-3905, or bbc.peel.2010@gmail.com.

NEWMARKET

DESIGN CHALLENGE 2011 March 3, 4 p.m. to 8 p.m., Newmarket High School PEO's York Chapter challenges grades 7 and 8 students to build a pro-

PELLER-driven airship based on supplied materials. Contact Gord Young, P.Eng., 289-231-4644.

NORTH BAY

BALSA WOOD BRIDGE-BUILDING CONTEST PEO's North Bay Chapter challenges local students to construct a balsa wood bridge. Contact John Simmonds, P.Eng., at 705-474-4667.

OAKVILLE

FULL DAY OF ENGINEERING EVENTS PEO's Oakville Chapter plans a full day of events for students from the Oakville and Milton areas. The activities include demonstrations by local schools' FIRST Lego League and FIRST Robotic teams to showcase applications of biomedical engineering in the robotics field, and an afternoon competition building and testing protective eye wear. Contact Zahraa Al-Ali, EIT, alali.zahraa@gmail.com.

OSHAWA

6TH ANNUAL BRIDGE-BUILDING CONTEST February 26, Ontario Institute of Technology OACETT's Durham Chapter and PEO's Lake Ontario Chapter invite students from Durham Region to challenge their skills in a bridge-building contest. To register, go to www.durhampopsiclebridge.ca. Contact Bob van den Berg, CET, 905-728-6180, or bvandenbergt@wainbee.com.

OTTAWA

ENGINEERING CELEBRATION PEO's Ottawa Chapter will host a bridge-building challenge for children, presentations to university students, and a networking event for adults and PEO

members. Contact Pierre Legault, 613-260-0793.

PEMBROKE

SPACECRAFT THRUST STRUCTURE BUILDING COMPETITION PEO's Algonquin Chapter challenges grades 6 to 8 students to construct and test cool structures to launch a spacecraft. Contact Thomas A. Moir, 613-687-6125, or moirt@aecl.ca.

MATHLETICS CHALLENGE PEO's Algonquin Chapter will host a mathletics challenge as part of Science Olympics for high school students, in partnership with Deep River Science Academy, AECL, Canadian Nuclear Society and Youth Science Ontario. Contact David Wilder, 613-584-4252.

PETERBOROUGH

ENGINEERING AND TECHNOLOGY CHALLENGE PEO's and OACETT's Peterborough chapters and the Institute of Electrical and Electronic Engineers invite area students to take on the challenge of designing and constructing a wind generator. Contact Clarence Klassen, P.Eng., 705-743-1076, or cklassen@klassen.on.ca.

RICHMOND HILL

9TH ANNUAL DESIGN CHALLENGE—CONSTRUCT A BRIDGE COMPETITION February 26, 12 p.m. to 4:30 p.m., **Academie de la Moraine Elementary School** The Design Challenge—Construct a Bridge Group will hold its 9th annual bridge-building competition for grades 5 and 6 students for all schools in York Region. Contact Mervat Rashwan, P.Eng., ing., mervat.sil@rogers.com.

SARNIA

7TH ANNUAL BRIDGE-BUILDING CHALLENGE March 26, 11 a.m.,

Lambton College PEO's Lambton Chapter invites grades 5 to 7 students from the Lambton Kent District and St. Clair Catholic school boards to participate in a bridge-building challenge with the final competition held at the Lambton College Open Day. Contact David Murray, P.Eng., 519-908-9246.

IMPROMPTU ENGINEERING DESIGN CHALLENGE March 26, **Lambton College** PEO's Lambton Chapter invites high school students to participate in an impromptu design challenge at the Lambton College Open Day. Contact Richard Hui, P.Eng., 519-344-6868.

SAULT STE. MARIE

9TH ANNUAL NEM CELEBRATION FEATURING 8TH ANNUAL MATHEMATICS CONTEST **Station Mall** PEO's Algoma Chapter hosts a math challenge, an egg-drop competition, and series of engineering displays and robotics demonstrations during this year's National Engineering Month celebration. Contact François Nzotungwanimana, P.Eng., 705-946-8130, ext. 8123.

SCARBOROUGH

8TH ANNUAL POPSICLE STICK BRIDGE-BUILDING COMPETITION February 26, 11 a.m. to 4 p.m., **Scarborough Civic Centre** PEO's Scarborough Chapter invites grades 3 to 8 students from local schools to participate in the popsicle stick bridge-building competition. Contact Uthayan Thurairajah, P.Eng., 647-988-6171, or uthurairajah@rogers.com.

SUDBURY

DROP-IN K'NEX CONSTRUCTION WORKSHOPS February 26-27 and March 12-13, 10 a.m. to 4 p.m., **Science North** Engineering and technology volunteers help children ages six and over create wonderful struc-

tures using K'NEX. Special features include a bridge-building challenge. Volunteers are needed to make this workshop successful. To sign up, visit the Volunteer Opportunities section at www.engineeringmonth.on.ca.

THUNDER BAY

2011 ENGINEERING CHALLENGE & TOUR March 4, **Lakehead University** PEO's Lakehead Chapter invites grades 6 to 8 students to participate in a host of team design activities: a popsicle stick bridge-design contest, a wooden catapult competition, and an egg-drop challenge. Students will be invited to tour engineering labs and see demonstrations of engineering student projects. Contact Meilan Liu, PhD, P.Eng., 807-343-8952.

TIMMINS

SOFTWARE ENGINEERING CONVENTION PEO's Porcupine-Kapuskasing Chapter will assist Science Timmins with their Software Engineering Convention, organize a popsicle stick bridge-building competition for a local school, and host a networking dinner event on March 3 at the Porcupine Dante Club for local engineers and engineering students. Contact Ryan Hill, EIT, 705-360-1899.

TORONTO

DROP-IN K'NEX CONSTRUCTION WORKSHOPS February 26-27 and March 5-6, 11 a.m. to 4 p.m., **Ontario Science Centre** Engineering and technology volunteers help children ages six and over create wonderful structures using K'NEX. Special features include a bridge-building challenge. Volunteers are needed to make this workshop successful. To sign up, visit the Volunteer Opportunities section at www.engineeringmonth.on.ca. Contact Julia Melnikova, 416-223-2261, ext. 225, or jmelnikova@ospe.on.ca.

NATIONAL ENGINEERING MONTH

ENGINEERS WITHOUT BORDERS AT TORONTO PUBLIC LIBRARIES February 28-March 4, Toronto public libraries The Toronto public libraries, in partnership with Engineers Without Borders, present an interactive "Water for the World" workshop to grades 5 to 9 students at various public library locations throughout the Greater Toronto Area. Volunteers are needed to make this workshop successful. To sign up, visit the Volunteer Opportunities section at www.engineeringmonth.on.ca. Contact Julia Melnikova, 416-223-2261, ext. 225, or jmelnikova@ospe.on.ca.

2011 ENGINEERING INNOVATIONS FORUM March 3, 7 p.m. to 10 p.m., Ontario Science Centre, 770 Don Mills Rd. The Engineering Innovations Forum was established in 1990 as an open forum on current topics from an engineering point of view. This year, the forum will discuss engineering innovations in disaster recovery. Contact Paul Annis, C.Tech, info@eiforum.ca.

8TH ANNUAL FRENCH SCHOOLS BRIDGE-BUILDING COMPETITION March 4, 9 a.m. to 2:30 p.m., Jean Lajoie Elementary School The Design Challenge-Construct a Bridge Group will hold its 8th annual bridge-building competition for grades 5 and 6 students in French for all French private, public and Catholic schools in the centre-south-west district of Ontario. Contact Mervat Rashwan, P.Eng., ing., mervat.sil@rogers.com.

4TH ANNUAL ENGINEERING IDOL COMPETITION March 5, York University PEO's Etobicoke Chapter hosts a game-style engineering project, where eight selected high schools will be assigned the same engineering task associated with "fluidized bed reactor technology." Visit www.engineeringidol.com or contact Richard Weldon, P.Eng., 416-964-3246.

HI-SKULE ANNUAL DESIGNAPOLOOZA March 5, University of Toronto, St. George Campus The University of Toronto Engineering Society invites grades 1 to 8 students from local schools to join in an exciting afternoon of design challenges. Contact Prachy Mohan, hiskule@skule.ca.

PROFESSIONAL CAREER PATH PRESENTATIONS March 2 and 9, 11 a.m. to 12:30 p.m., Runnymede and Swansea Public schools OACETT's Toronto West Chapter invites students to attend presentations on possible engineering and technology career paths. Contact Roy Sue-Wah-Sing, CET, 416-767-5153, or roy.oacett@gmail.com.

RUBE GOLDBERG MACHINE PRESENTATION The Ontario Science Centre The Engineering Student Societies' Council of Ontario presents a Rube Goldberg machine so large it can only be connected over the Internet. Built by engineering societies across the province, it will connect to each member society school and end at the Ontario Science Centre by flicking on the lights to read "E4TW" (Engineers for the World). Contact Ryan Farrugia, vpsservices@essco.ca.

WINDSOR

CELEBRATING ENGINEERING The Windsor Essex County Engineering Week Committee presents a high school design competition, a poster competition, workshops at Canada South Science City and an awards luncheon, presenting scholarships and engineer/technologist awards. Contact Peter T. Bziuk, P.Eng., 519-796-7827.

For an up-to-date listing of NEM Ontario events, visit www.engineeringmonth.on.ca and click on Event Calendar.

ENGINEERING MONTH 2011 ONTARIO PATRONS:

ONTARIO POWER GENERATION



ENGINEERING MONTH 2011 ONTARIO SPONSORS:



WATERLOO ENGINEERING

