

# CHAPTER NEWS



## In This Issue

Message from the Chair	1
2016 Chapter AGM	3
Profile of a Female Engineer	6
Review of Past Events	7
Upcoming Events	15

## Upcoming Events

5 <sup>th</sup> Annual Golf Classic	June 25
Family Picnic	TDB

## Volunteering with the Chapter

The chapter is always in need of volunteers. If you are considering to helping out and taking advantage of great networking opportunities, please contact us at [volunteering@peobrampton.com](mailto:volunteering@peobrampton.com).

## Message From The Chair

Dear Members,

Greetings from Dr. Nilima Gandhi, P.Eng., the new Chair of the Brampton Chapter of PEO. It's an honour for me to serve our profession in this capacity, and I'm committed to continue the trend set by the past chairs of taking the chapter to new heights. I would like to take this opportunity of thanking our most recent past chair, Ranjit Gill, for his dedicated volunteer service to the chapter. Despite responsibilities of a young family, he worked very hard to advance the chapter.

The volunteer pool of chapter officers, executive board and committee members has been working hard enhancing the profile of our profession in the public domain, providing a variety of services to the members, recognizing outstanding contributions by our members, and contributing to the governance of our self-regulated profession. Various approaches to enhance such activities have been brainstormed and implemented by the chapter board during the last few years. A membership survey was also conducted to learn about what members want from the chapter. I would like to continue working on these matters. A couple of challenges I am going to tackle this year are increasing active

participation of our committee members in organizing chapter activities and raising the voice of chapter members at the PEO level.

As you can imagine, I will need input from you in order to do full justice to my new volunteer role as the chapter chair. I look forward to utilizing the lessons I have learnt from the engineering study and tackling two young kids! I hope to meet you at one of our upcoming events, including our annual family picnic in summer.

Nilima Gandhi, Ph.D., P.Eng.





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# 2016 Chapter AGM

## 2016 Annual General Meeting

January 22, 2016

On Friday, January 22, 2016, the Brampton Chapter held its Annual General Meeting (AGM) along with the Licence Presentation Ceremony for new licence holders. After the licence presentation, the chapter also awarded three Aspiring Engineer Scholarships to deserving first-year engineering students and, for the first time, presented a Woman in Engineering (WIE) Scholarship. The event was organized at the Brampton Golf Club and invites to attend the AGM part of the function went out to all PEO Brampton Chapter members two weeks prior.

As part of the AGM, new officers and executive members of the Brampton Chapter Board were elected. The AGM was first addressed by the outgoing Chapter Chair, Ranjit Gill, P.Eng., who presented a brief summary of chapter activities/events of 2015. Next, the treasurer's report for the fiscal year ending December 31, 2015 was presented by Max Morrow, P.Eng., and is also summarized in this newsletter. Finally, the new Brampton Chapter Officers for 2016 were proclaimed as the following:

- Chair: Nilima Gandhi, P.Eng., Ph.D.
- Vice-Chair: Max Morrow, P.Eng.
- Treasurer: John Arvanitis, P.Eng.
- Secretary: Jag Saini, EIT
- Past-Chair: Ranjit Gill, P.Eng. .

The previous executive members of the Brampton Chapter Board were re-appointed. A picture and a complete list of the current Executive Board members, along with the committee members, are available on pages 4 and 5.

## Treasurer's Report

The Treasurer, Max Morrow, P.Eng., presented the audited financial statement of the chapter.

The chapter received an allotment of \$23,000, slightly less than the \$24,000 received in 2014. The chapter raised funds, secured sponsorships and held events, raising revenue of \$18,043.27. Overall expenses were \$39,538.92 compared to \$44,652.28 in 2014, which had been higher, partly due to some one-time asset purchases such as our Bridge testers so that we did not have to borrow them from other chapters. The year 2015 ended with an excess of income over expenses of \$1,504.35. The closing balance for fiscal 2015 was \$15,736.49. Our approved allotment from PEO for 2016 is \$24,520.

The chapter is adequately funded to support the planned activities for 2016.



2016 CHAPTER EXECUTIVE

Back row (from left to right): Desmond Gomes, John Arvanitis, Amity Lam, Niveen Guindy, Dora Martinho, Devakaran Sarathchandran, Axar Bhavsar, Ravinder Panesar

Front row (from left to right): John Clayton, Jag Saini, Max Morrow, Ranjit Gill, Nilima Gandhi, Satyendra Bhavsar

Position	Name	E-mail
<b>Officers</b>		
Chair	Nilima Gandhi, P.Eng., Ph.D.	nilima.gandhi@peobrampton.com
Vice Chair	Max Morrow, P.Eng.	max.morrow@peobrampton.com
Secretary	Jag Saini, EIT	jag.saini@peobrampton.com
Treasurer	John Arvanitis, P.Eng.	john.arvantis@peobrampton.com
Past Chair	Ranjit Gill, P.Eng.	ranjit.gill@peobrampton.com
<b>Executives</b>		
	John Clayton, P.Eng., FEC	john.clayton@peobrampton.com
	Amity Lam, P.Eng.	amity.lam@peobrampton.com
	Niveen Guindy, P.Eng.	niveen.guindy@peobrampton.com
	Ravinder Panesar, P.Eng.	ravinder.panesar@peobrampton.com
	Desmond Gomes, P.Eng.	desmond.gomes@peobrampton.com
	Satyendra Bhavsar, P.Eng., Ph.D.	satyendra.bhavsar@peobrampton.com
	Axar Bhavsar, EIT	axar.bhavsar@peobrampton.com
	Dora Martinho, EIT	dora.martinho@peobrampton.com



2016 COMMITTEE MEMBERS

Back row (from left to right): Max Morrow, Ranjit Gill, Jag Saini, Ravinder Panesar, John Arvanitis, Girish Mehta, Devakaran Sarathchandran  
 Front row (from left to right): Amity Lam, Niveen Guindy, Nilima Gandhi, Satyendra Bhavsar, Meghali Naik, Dora Martinho, Gurbinder Nagra

Committee	Chair
Communication	Nilima Gandhi, P.Eng., Ph.D.
Member Services	Nilima Gandhi, P.Eng., Ph.D.
Education	Jag Saini, EIT and Axar Bhavsar, EIT
Events	Satyendra Bhavsar, P.Eng., Ph.D.
Government Liaison Program	Ravinder Panesar, P.Eng.
Governance	Desmond Gomes, P.Eng.
Women in Engineering	Amity Lam, P.Eng.
Volunteer	Dora Martinho, EIT & Max Morrow, P.Eng.
<b>Committee Members</b>	
Allan Lopez Espinoza, P.Eng.	Gurbinder Nagra, Student
Niveen Guindy, P.Eng.	John Arvanitis, P.Eng.
Devakaran Sarathchandran, EIT	Michael Collingwood, EIT
Shemroy Manning, EIT	Meghali Naik, P.Eng.
John Clayton, P.Eng., FEC	Girish Mehta, EIT

# Profile of a Female Engineer

Siobhan Robinson, P.Eng.  
Project Engineer,  
Kerr Wood Leidal Associates

## Biography:

Siobhan Robinson has been involved in projects ranging from wastewater treatment to asset management. She is passionate about empowering youth to pursue careers in engineering and is focused on providing young engineers opportunities to grow their careers.

## Proving Yourself as a Millennial

“Seek volunteer opportunities to develop leadership skills outside of work. Young professionals committees are a great way to get involved in your industry, build your network and develop these skills. You’ll be amazed how quickly you start applying your new skills at work.”

## I Hope The Next Generation...

“Understands the importance of communication and teamwork. In this increasingly digital world, it becomes easy to maintain distance and rely on virtual connections instead of real ones.”



# Review of Past Events

## Popsicle Bridge Building Challenge

April 7, 2016

For the third year in a row, Mayfield Secondary School was host to the chapter's annual Bridge Building Challenge (our 9th!). The spacious, modern, well equipped auditorium, cafeteria and other rooms are well suited to the event.

The day was packed full of activities for the grades 5, 6, 7 and 8 students that came from Peel District, Separate and Private schools throughout Brampton Chapter. 152 students came armed with their knowledge of bridge design and bridge manufacture to impress our judging panels composed of professional engineers from our

chapter.

Awards were given for the presentation category in both the junior (grades 5 and 6) and senior (grades 7 and 8). Parents and teachers enjoyed seeing the teams of students breaking their bridges on our bridge busters to gain the honour of achieving the highest strength to weight ratio (load/bridge weight) in the performance category.

Results and rankings were projected in real time on the screens, and this year for the first time, results and rankings were also posted on the chapter website immediately following the awards presentation.

After a pizza lunch, Associate Dean, Dr. Farzad Rayghani provided a talk on engineering technologies and the state of the art equipment available at Sheridan College's Davis Campus right here in Brampton.

Professor Paymon Sani-Bakhtiari described the eight steps in engineering design and demonstrated aerodynamic lift using a computer controlled helicopter test machine; a perfect segue into the paper airplane challenge being held in the cafeteria.

Anthony Persaud, Acting Instructional Coordinator, Science & Technological Education, Peel District School

Board, accepted a plaque for the host school and Lily Wang of Credit Valley Public School, accepted a plaque awarded to the school with the most participants.

Harinder Malhi, MPP Brampton-Springdale, spoke to the students and helped present the BBC winners with their certificates of merit and medals.

The Brampton Chapter would like to thank all of the volunteers, engineers, teachers, parents, friends and family who helped make this a very rewarding experience for our young minds in Brampton. We already have had inquiries about next year's Bridge Building Challenge. See you then!



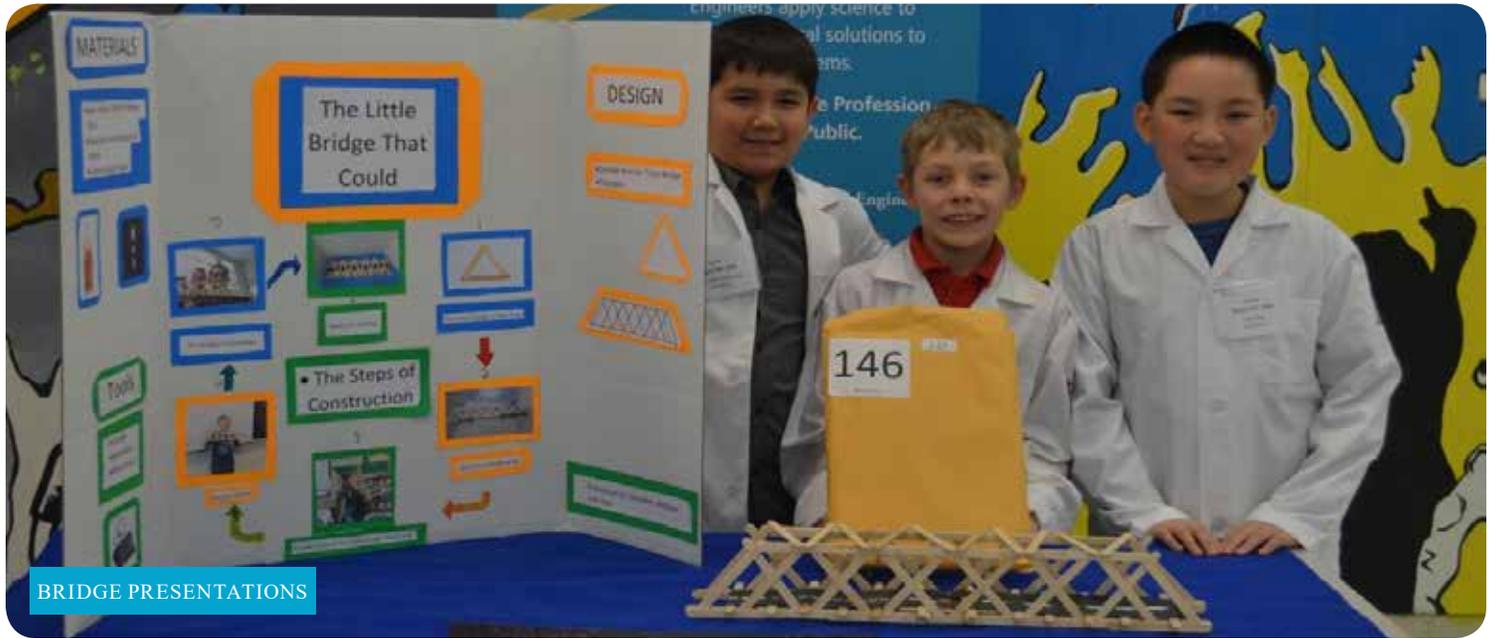
BRIDGE QUALIFICATION STATION



2016 BBC JUDGES



BRIDGE BUSTING



BRIDGE PRESENTATIONS



MPP Harinder Mahli with students from Credit Valley Public School (Most Participants)



The Hartman family have entered the BBC event annually with three sons going through both divisions over the years. This year the two youngest brothers took first and second in the Senior Division Performance Category.

# Networking and Referrals

March 22, 2015

Wondering how you can use your networks to generate referrals and additional business? Jill Shoenhoffer, from Well Connected, explained how to do this to a fortunate group of chapter members in March. Ten easy steps to increase referrals and ten easy steps to grow and create a better network were discussed. A steal at only \$5, the event was well attended with food and beverages available to all registrants. If you are interested in more networking-related talks, please email John Arvanitis at [john.arvanitis@peobrampton.com](mailto:john.arvanitis@peobrampton.com).



# Family Ski Day

February 15, 2016

Devil's Glen Ski Day was again held on Family Day, February 15, 2016. I believe we are firmly settled on this event arrangement, which has served us so well, for this is our largest repeated event with numbers and popularity continually increasing. We had a perfect day of skiing and snowboarding. Newbies and experienced skiers alike enjoyed the fresh and machine groomed snow on the ski hill. Temperatures ranged from -15 degree C to -5 degree C, perfect conditions with light snow flakes coming down after 11 a.m. In total, there were 121 skiers and snowboarders in our group, our best Ski Day attendance in recent memory. All of us enjoyed the day of skiing, snowboarding and fun races, and then gathered for an après ski gathering of snack food and conversation, mingling with our peers, family and friends. Amity Lam, Max Morrow, Jag Saini and Dora Martinho did a

great job on the registration and the ski passes.

The Chapter Executive's longest running organizer and supporter of Ski Day, John Clayton, was again unable to ski; however a Devil's Glen staff member graciously took John on the snowmobile up to the racing area to watch our skiers have fun taking turns racing down, side-by-side, slalom courses they had setup for us on the Salvation ski run.

Next year Ski Day is Family Day, Monday, February 20, 2017 at Devil's Glen. See you there to enjoy our 28th Annual Ski Day event and have some great fun and friendship.



# Licence Presentation Ceremony

January 22, 2016

The Brampton Chapter held its Licence Presentation Ceremony on Friday, January 22, 2016 at the Brampton Golf Club, in conjunction with the Annual General Meeting and the award of the Aspiring Engineer Scholarships.

The following individuals have completed the requirements necessary to become a professional engineer in this province and have been admitted as members of Professional Engineers Ontario. Please congratulate them as they receive their licence to practise professional engineering.

- Mohammad Mobasharur Rahman, P.Eng.
- Ryan Alexander Cheddi, P.Eng.
- Wing Kan Meimei Lam, P.Eng.
- Amr Mohamed Kenawy Ibrahim, P.Eng.
- Caleb John Vandenberg, P.Eng.
- Jamil Akhtar Malik, P.Eng.
- Gurtej Singh Sandhu, P.Eng.

Aspiring Engineering Scholarship is an entrance scholarship awarded to aspiring engineers embarking on their first year of study in engineering. The objective is to encourage high school students to pursue careers in the engineering profession. The scholarships are evaluated on a combination of Academic Standing, Leadership, Community Involvement, and Interest in the engineering profession.

To promote Women in Engineering, Brampton Chapter has also introduced an additional \$500 scholarship for Aspiring Female Engineers.

The winners of the 2015 scholarships are as follows:

Aspiring Engineer University Entrance Scholarship

1st price - Katherine Lu

2nd price - Rebecca Wong

3rd price - David Polakkattil

Women in Engineering Scholarship - Katherine Lu





# Licence Presentation Ceremony

November 26, 2015

The Brampton Chapter held its Licence Presentation Ceremony on Thursday, November 22, 2015 at the Brampton Golf Club. The following individuals have completed the requirements necessary to become a professional engineer in this province and have been admitted as members of Professional Engineers Ontario. Please congratulate them as they receive their licence to practise professional engineering.

- Monica Sajjad, P.Eng.
- Keshav Amatya, P.Eng.
- Inderjit Hans, P.Eng.
- Rory Brosnan, P.Eng.
- Lawrence Lee, P.Eng.
- Muthana Khamas, P.Eng.
- Kusay Rafo, P.Eng.
- Munish Multani, P.Eng.
- Abrar Karim, P.Eng.
- Pritesh Mistry, P.Eng.
- Sanjeev Sharma, P.Eng.
- Hemant Kumar, P.Eng.
- Daryl Horansky, P.Eng.
- Caleb Vandenberg, P.Eng.
- Bryan Vandenberg, P.Eng.
- Riyana Mayooraan, P.Eng.
- Magued Sorial, P.Eng.
- Neil Barakat, P.Eng.



- Rakesh Trivedi, P.Eng.
- Sanela Sehic Ligata, P.Eng.
- Ken Bahadur, P.Eng.
- Andy Alubaidy, P.Eng.
- Shukla Vikas, P.Eng.
- Gurtej Sandhu, P.Eng.
- Dipesh Modi, P.Eng.



# Intellectual Property

November 18, 2015

The Brampton Chapter was very fortunate to have Vincent Man and Michal Kaspowicz from the law firm Dimock Straton, present an introduction to Intellectual Property, last December. Members learned about Intellectual Property, including: trade marks, patents, copyrights, designs and trade secrets; how to protect them, and the legalities associated with them. They hosted members in a great venue, with lots of food. Many questions were answered in numerous open and interactive discussions. If you are interested in attending another presentation related to Intellectual Property, please email John Arvanitis at: [john.arvanitis@peobrampton.com](mailto:john.arvanitis@peobrampton.com).



# Bowling 2015

November 13, 2015

On Friday, November 13, 2015, the Brampton Chapter held its second annual social Bowling Event. Members, friends and family members were all welcome and the eight bowling lanes reserved for the chapter were full. Prizes were awarded to the top team and the top bowler. Suspiciously, the awards were mostly won by the Chapter's Executive Committee! The third bowling event will be this November. Chapter members unite! Start practising! Fame and glory is yours for the taking!

# FALL BOWLING EVENT



2nd  
Annual

FRIDAY  
THE 13<sup>TH</sup>  
OF  
NOVEMBER

# Peel Wastewater Treatment Facility Tour

October 20, 2015

On October 20, 2015, the Brampton Chapter organized a tour to the G.E. Booth (Lakeview) Wastewater Treatment Facility located on the shore of Lake Ontario in Mississauga. This plant processes the wastewater from homes and businesses in Bolton, Caledon East, Brampton and eastern parts of Mississauga and it has a daily capacity of 448,000 cubic metres of wastewater.

It was a very interesting tour, where many important technical aspects of a wastewater treatment plant were seen and explained.

This tour was limited to 30 participants and 30 people registered online, out of which 22 actually participated.



# Talk on Great Lakes, Great History, Great Challenges - Contaminant Perspective

October 7, 2015

Dr. Satyendra Bhavsar is with the Fish Contaminant Monitoring Program of the Ontario Ministry of the Environment and Climate Change. He presented an overview of the major events related to contaminant release and control in the Great Lakes Basin over the last 100 years and the long-term changes in the contaminant levels, focusing on how industrial, government and human activities have impacted the Great Lakes, how remedial efforts and tightening of regulations in relation to industrial and government actions has helped improve water quality in the past and how new threats to the water system are being measured and targeted so we can continue to preserve the Great Lakes water system for the enjoyment and use of future generations. Throughout the talk, engineers and family members were able to ask many questions of Dr. Bhavsar, not the least of which revolved around the topics of sport fishing and the best Ontario fish species for consumption. The topic was thoroughly enjoyed by all.



# Upcoming Events

Month	Event	Date	Contact
June	Golf Tournament	June 25	desmond.gomes@peobrampton.com
June	EIT Info Night	June 29	nilima.gandhi@peobrampton.com
July	PPE Prep Seminar	July 9	nilima.gandhi@peobrampton.com
July	Family Picnic	July 16	nilima.gandhi@peobrampton.com
August	Talk: Linked-in	August 10	satyendra.bhavsar@peobrampton.com
August	Tour: Recycling Plant	August 17	satyendra.bhavsar@peobrampton.com
September	Paintball	September 17	jag.saini@peobrampton.com
September	Swaminarayan Temple Tour	September 21	axar.bhavsar@peobrampton.com
October	MOECC Spill Action Centre Tour	October 5	satyendra.bhavsar@peobrampton.com
October	LAP Mid-review	October 13	nilima.gandhi@peobrampton.com
October	Talk: Women in Engineering	October 18	amity.lam@peobrampton.com
October	Talk: Surgical Robotics	October 27	nilima.gandhi@peobrampton.com
November	Volunteer Info Night	November 9	dora.martinho@peobrampton.com
November	Certificate Presentation	November 11	desmond.gomes@peobrampton.com
November	Bowling	November 18	john.arvanitis@peobrampton.com
November	Design Challenge	November 26	axar.bhavsar@peobrampton.com