

Mentorship and EIT News



The Mentorship and EIT Committee had a busy year with a record number of events serving both engineers and EITs by providing mentorship opportunities and assisting with the P.Eng. licensure process.

We have over 15 pairs of P.Eng. guides matched with EITs in the *Licensure Assistance Program (LAP)*. The P.Eng. guide is matched with an EIT to advise them about the licensing process.

A *Mock PPE exam and review session* was conducted in March to help prepare EITs writing the Professional Practice Examination.

A *Road to P.Eng.* seminar was held in October to explain the steps of the licensing process. This was followed by a networking Lunch and a fun event where we took on midway, video and arcade games.

We held a successful *E2E Networking* event in October where a networking guru taught the essentials of networking and provided tips and techniques to effectively network in different scenarios. Right after, we put those skills to the test by networking with engineers and EITs.

Another *Accelerated Mentoring* event was successfully held in November (similar to speed dating), where attendees rotated between mentors, allowing them to benefit from a wide variety of advice and experience in a short period of time. After a networking lunch, attendees heard from a number of guest speakers and panelists on a variety of career and professional development topics.

Building connections can also be done in a social way. We held a number of *EITs vs Engineers* events through out the year which included a board game tournament, bowling and badminton. These small, friendly competitions foster relationships and is also a great way to exercise and have some fun too. We hope to see you at the next challenge!

Elmer Ting, P.Eng.
Mentorship & EIT Director

Education News

2015 AMD Mathletics Competition

Mathletics competitions are all about having fun by applying math skills to solve everyday engineering problems. The questions reflect the Grade 5 to Grade 8 Ontario elementary school mathematics curriculum. Every year, this event sells out within days. Due to the popularity of Mathletics, we have grown the event to accommodate 120 students this year.

The Education Committee and volunteers worked tirelessly to refine the questions based on previous years' feedback, arranged to have all equipment tested prior to the event, selected the best educational prizes, and ensured that Engineering is at the centre of this competition.

Advanced Micro Devices (AMD) is our title sponsor for this event.



Design Challenge – Drag Racing

For National Engineering Month, PEO York Chapter hosted a Design Challenge for Grade 7 and 8 students in York Region. The challenge was to complete a "Drag Racer". Contestants carved aerodynamically-shaped vehicles that were propelled by nitrogen cartridges down an 80' track. Students worked in groups of four to design and assemble their drag racer prototypes before taking them to for "test runs". Each team's prototype was evaluated by measuring the vehicle's instantaneous maximum speed and average speed over the track. Students used this information for modifications and making improvements to their prototypes. Judging

was based on the student's problem solving skills, design, construction and the racer's final performance.

University Scholarship Awards

PEO York Chapter was proud to recognize the outstanding academic achievements, extracurricular activities and community involvement of three students entering first year engineering programs at a Canadian university this year. The scholarship funds were provided by PEO and The McClelland Financial Group. The Education Committee reviewed and evaluated 40 applications to select the three winners, each awarded \$1,500 towards their education expenses. The recipients are:

Name	University	Program
William Yang	University of Waterloo	Computer Engineering
Amanda Mills	Queens University	Chemical Engineering
Claire Dederer	Queens University	Chemical Engineering

Lui Tai, P.Eng.
Education Director

2016 Chapter Executive Elections

The Chapter's Annual General Meeting and election for the 2016-2017 executive board will be held on Feb. 27, 2016. The election is to provide an opportunity for registered members or EITs to serve in the Chapter's executive board for one (1) year, if elected.

To be eligible to run for the election, the member/EIT must be in good standing with PEO and have no criminal record. Two (2) nominations by a P.Eng. and a short description of why you want to run, including the position you are interested in, needs to be submitted to pastchair@peoyork.com by **February 12, 2016**.

For full details on the election and the available positions, please visit: www.peoyork.com/AGM2016



Professional Engineers
Ontario
York Chapter

Mailing Address:
Box 186, 7305 Woodbine Ave.
Markham, ON L3R 3V7
www.peoyork.com

Annual Chapter Newsletter 2015

Chair's Message

Dear fellow engineers,

It has been my privilege serving our members and the community for the past 7 years. On behalf of the PEO York Chapter Executive Committee, I would like to thank you for your support and participation in our chapter's activities over the past year. We started 2015 on a strong note by offering many new and exciting events; and producing activities to alleviate current short falls in the teaching of Math and Physics to York Region's young minds. Going forward, we are highly committed to maintaining the same high level of quality activities that you have accustomed to expect from our helpful and committed executives and volunteers in York Chapter in 2016. In addition, we hope to reach out to more members and their families. You have my personal invitation to come out, make new friends and network as you become part of our team that makes a difference in our community today. This newsletter will provide you with information about our great achievements in 2015. You can find detailed information about our past, current & future events on our website, www.peoyork.com. I look forward to meeting & serving you all in the near future.



Paymon Sani, P.Eng.
PEO York Chapter Chair

Symposium News

On March 25, 2015, the PEO York Chapter Transportation Symposium brought in some very bright and talented engineers in the field of transportation technology and experts in public policy to a non-partisan platform to discuss and improve the future of GTA transportation within our generation. This event attracted over 360 attendees representing over 120 unique companies, organizations, and different level of governments.

The sessions were delivered by industry experts from Siemens Canada, Plan Group, MetroLinx, KPMG, GM, City of Toronto, City of Markham Honeywell, Bombardier, GTAA, National Airline Council of Canada, Accenture, GreenOwl Mobile, IBI Group, YRT, and TTC, etc.

Looking forward, please mark you calendar, as the next symposium will take place on **March 22, 2016** at the Hilton Toronto/Markham Suites Conference Centre & Spa.



All board members and volunteers, thank you for making this possible!

Dennis Woo, PhD, P.Eng., SMIEEE
PEO York Chapter Past Chair
2015 York Region Transportation Symposium Organizing Chair
www.peoyork2016symposium.eventbrite.com



From Top Left: A. Lee, E. Ting, R. Vender, G. Ip, L. Tai, P. Yeung;
Bottom: F. Leong, P. Zhao, M. Aquino, P. Sani, D. Woo, H. Deng; Bottom insert: D. Liao

Chapter Board 2015/2016

Officers

Chair: Paymon Sani, P.Eng.
Vice Chair: Gordon Ip, P.Eng., FEC
Secretary: Patrick Yeung, P.Eng.
Treasurer: Annabelle Lee, P.Eng.
Past Chair: Dennis Woo, PhD, P.Eng., SMIEEE

Executives (Directors)

Awards & Recognition: Fiona Leong, EIT
Certificate: Paul Zhao, EIT
Communications: Helen Deng, P.Eng.
Education: Lui Tai, P.Eng.
Gov. & Business Liaison: Daniel Liao, P.Eng.
Programs: Rick Vender, P.Eng.
Mentorship & EIT: Elmer Ting, P.Eng.
Women in Engineering: Maricon Aquino, P.Eng.

Certificates News

The chapter hosted the Fall Certificate Presentation Ceremony (CPC) on September 26th this year at the Hilton Toronto-Markham Suites and presented certificates to 43 newly licensed professional Engineers. The Chapter awarded scholarship to three first year engineering discipline students.

Our Winter CPC will be held on February 27th 2016, after the chapter's Annual General Meeting (AGM) where the chapter work will be reviewed and an election will take place for the chapter directors of 2016. If you are a member of York Chapter, you are encouraged to come and join the AGM, meet the candidates and vote for the new chapter directors.

Paul Zhao, EIT
Certificate Director



Awards & Recognition News

The Awards Committee has launched our fourth annual PEO York Chapter Engineering Project of the Year Award campaign and we're looking for your project submissions! The award promotes the practice of professional engineering and seeks to recognize outstanding technical projects within York Region and the surrounding GTA, while showcasing the achievements of local businesses.

Last year's winner was Markham Stouffville Hospital's (MSH) Redevelopment Project which detailed the \$400M expansion of the hospital that was completed on time and on budget. On behalf of the Awards Committee, I would like to congratulate MSH for their achievement and I would like to thank all the applicants for their engineering successes and contributions towards their local

Government & Business Liaison Director News



Chapter's boundaries are from the Ontario Liberal as well as the Progressive Conservative parties. The Chapter ensured that its government liaison activities were inclusive of all of York Region's political parties with representation in the provincial parliament.

Please contact the GLP Committee at glp@peoyork.com if you wish to get involved in the Chapter's GLP initiatives.

Daniel Liao, P.Eng.
Government & Business Liaison Director

Women in Engineering News

Are you a woman in engineering who would like to connect with other women engineers to share ideas, discuss issues, and network? If so, then we would like to hear from you and/or see you at our events. The York Chapter, Women in Engineering committee is a group committed to hosting events and providing a forum for women in engineering to get involved in our community, network, and learn from each other.

This year we had hosted a successful event called, The Real Price of Water featuring five female professionals who gave five very different and interesting perspectives on waste water, water filtration, flood water and the associated costs to maintain and manage these facilities.

Our continued focus will be to establish partnerships with neighbouring and associated Women in Engineering groups such as the Women in Engineering Advisory Committee (WEAC) and the Ontario Society of Professional Engineers WIE groups. These partnerships include developing pilot programs for mentorship programs and other

2015 was a year full of government liaison activities for the Chapter. There were a total of 11 events where members of York Chapter's Government & Business Liaison Program Committee (GLP) engaged with members of government. The events were:

- 2015 PEO York Chapter Winter & Fall Certificate Presentation Ceremonies
- 2015 Premier Kathleen Wynne's Chinese New Year Banquet
- Nowruz 2015 Luncheon with Minister Reza Moridi, MPP
- Engineering the Future of GTA Transportation Symposium
- 2015 York Region Post-Budget Breakfast with Helena Jaczek, MPP and Chris Ballard, MPP
- 2015 PEO Order of Honour Gala
- Cocktail Reception at the Albany Club with Julia Munro, MPP
- Heart & Stroke Foundation Fundraising Gala
- 69th India Independence Day Reception
- 9th Annual MPP Reception at Queen's Park

The government liaison events of this year saw the strengthening of ties between PEO York Chapter and York Region's politicians at the provincial and municipal/regional levels. The seven MPPs whose ridings fall within PEO York

partnering events. There will be more to come on these events and programs. We look forward to seeing you at our events and joining in the conversation to bring awareness to Women in Engineering and developing programs for continued support of women in our profession.



We want to help more and more women engineers in enlarging their vision and network, and improving their career and life.

You are welcome to contact us by email at wie@peoyork.com if you have any event recommendations or if you wish to get involved in the WIE initiatives.

Maricon Aquino, P.Eng.
Women in Engineering Director

Communications News

2015 is the busiest year ever for Communications Committee. The Chapter held more than 70 events this year which means Communications made more than 200 announcements, web pages and social media promotions. All these would not be accomplished without great efforts of our volunteers. Thank you ALL!

Communications is the window of the Chapter as we connect our members and the public to our events. We participate in the operation by informing you all about upcoming Chapter activities including seminars, tours, symposiums, etc., and reporting the successful outcome of these events.

Next year, we will continue to increase our presence on social media, such as Twitter (@peoyork),

Facebook (www.facebook.com/PEO.York.Chapter) and LinkedIn (www.linkedin.com/company/peo-york-chapter), etc. we are also working on updating our website to bring you more most current, interesting and important information. If you are ready for volunteering, please feel free to contact us at communications@peoyork.com, or, just register at Eventbrite.com to attend our monthly executive board meeting and meet the team!

Helen Deng, P.Eng.
Communications Director

Program News

This has been another busy year organizing 50 events as Program Director. These included many technical and personal development presentations, a few tours and a one day seminar on managing staff. I believe that there is a lot more to being an engineer than just engineering so I have tried to bring in speakers that would interest our members in dealing with life and career issues.

Several technical presentations were very interesting to me even as an engineer who has practiced in non relevant areas. I found that

each presentation was interesting and allowed me to leave the venue afterwards with a few good ideas. One of several favourites of mine was Marjorie Moulin's Happiness is the New Productivity presentation given in January. I am currently working with Marjorie for a new presentation in the new year.

In this age of terrorist and safety concerns, it is getting more difficult to arrange tours of interesting facilities. I was however, able to secure a tour of the McMaster Nuclear Reactor which was a fascinating tour of a research and production reactor. Although this reactor is not used for the conversion from heat to electrical energy like the ones operated by OPG, as attendees, we were able get up close to the reactor and see some of the services that the University provides to industry. They produce medical isotopes and perform gas turbine component inspection as well as doing research. The Hitachi truck plant tour in Guelph and the IBM Data Centre tour were also very interesting and informative. Many thanks to the two Chapter members who helped me set these tours up with their companies.



In mid September, Gerry Call, an experienced trainer and management consultant from Port Elgin, delivered the Hey, I'm in Charge...Now What seminar to a full house of 60 attendees. I believe that as engineers getting into staff supervisory positions, we need to develop a whole new set of skills that are quite different that the skills taught at university and on the job as practicing engineers. The feedback was very positive and leading me to believe the event was a success.

We will be following a similar path in 2016 and if you have any suggestions for future presentations, tours and seminars, please feel free to contact me by email at program@peoyork.com.

Rick Vender, P.Eng.
Program Director