



Certificate News

The Certificate Committee continues to ensure that the P.Eng. licensing ceremonies are not only meaningful for our newest licence recipients, but also memorable for themselves, their family and friends. Our Fall Licence Presentation Ceremony (LPC) was held on Sept 21, 2019 and we had the honour of presenting close to 60 recipients with their Licence Certificate, along with over 200 in attendance to celebrate their milestone. We were delighted to have Billy Pang, MPP, Markham-Unionville who stressed the importance of engineers in our daily lives and also serenaded the audience with his well wishes in song. Our PEO East Central Region Councillors Keivan Torabi and Arthur Sinclair were also present and we heard from our keynote speaker, Ron Mantay on his career journey as a P.Eng. as he encouraged our newest engineers to explore, grow and contribute with courage.



Licensees at the 2019 Fall LPC along with special guests

The Committee also organized technical tours at the Amazon Fulfillment Centre, Apotex, Bombardier and DECAST, raising funds to improve and enhance the LPC ceremonies and to offset ticket costs for recipients and their guests.

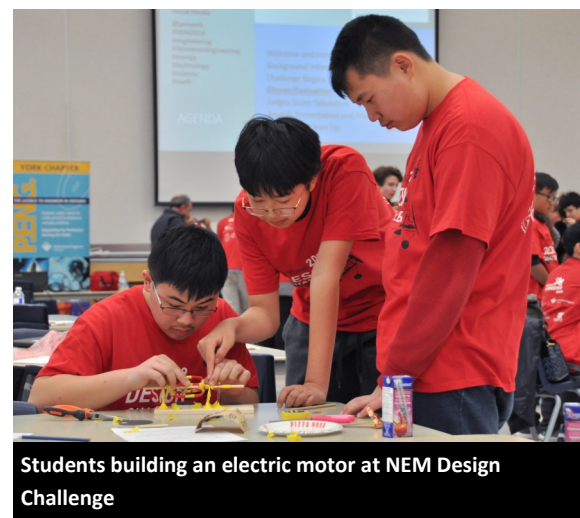
Our next LPC is scheduled for February 2020 along with the Chapter's Annual General Meeting. Myself and the committee volunteers look forward to celebrating the newest members of the P.Eng. profession and the winners of the Engineering Project of the Year Award along with executing the business items and elections at the Chapter AGM.

Elmer Ting, P.Eng.
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Education News

Scholarship: PEO York Chapter received 35 scholarship applications from students who completed Grade 12 studies with honors and are attending the first-year engineering studies at an accredited engineering school in Canada. We are pleased to recognize three students, namely Imaad Remtula, Johnathan Xu, and Matthew Lysenko, for their outstanding academic performance, community service, volunteerism, and interest in the engineering profession this year. Each scholarship is valued at \$1500 to help students with their first-year education costs. PEO York Chapter would like to thank all students who applied for the award.

Design Challenge: The PEO York Chapter 2019 National Engineering Month Design Challenge was to design an electric motor that spins the fastest. Ten teams of Grade 7 & 8 students from York Region schools took part in the challenge. Students worked in groups of four to design and fabricate the motor using a selection of materials including magnets, electrical wires, wooden boards and sticks, paper clips, screws, and washer. Students were to exercise judgment on material selection by using a limited token to purchase crafting materials. The principles of electric motor design and magnetic field were explained at the beginning of the challenge. Students can change the structure of their motor and test their design before evaluation. Judging was based on the students' problem-solving skills, design, construction, and the motor's performance. Final products were evaluated using a tachometer, and presentation of design and construction were reviewed by engineers.



Students building an electric motor at NEM Design Challenge

AMD Engineering Mathletics Competition: Our Mathletics competition is about having fun by applying math skills to solve engineering problems. The event was divided into two sessions. The junior level is for grades 7 and 8 and the senior level for Grade 9 and 10. This year we have 55 participants in the junior level and 55 students at the senior level. The top three students in each competition received cool, engineering-themed prizes. Advanced Micro Devices (AMD) continues to be our title sponsor in 2019, and two lucky winners each took home an AMD laptop.

Daniel Cho, EIT
Education Director
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Chair's Message

With the recent third party regulatory performance review released, PEO is at a pivotal point where an all new Action Plan is being drafted and implemented to strengthen PEO's self-regulation performance. The details of the Action Plan will be revealed and shared with all members in the near future. This requires all our members and chapters to understand and take part in the plan.

2019 has been a busy and fruitful year for our Chapter. As with previous years, we kicked off two brand new initiatives: The creation of the Past Chairs Advisory Committee (PCAC) and the PEO Centennial Celebration Committee (CCC). The goal of the PCAC is to draw experience from past chairs and assist the new executives with onboarding and mentorship. The goal of the CCC is to assist the PEO Awards committee in organizing the celebration of the 100th anniversary of PEO, which is in 2022.

Returning for a third year, this year's Engineering Technology Symposium focused on the theme of "Impact of Artificial Intelligence and Internet of Thing on Engineers, Today and Tomorrow". We had keynote speakers and panelists from world leading companies like Microsoft, Magna, Honeywell, GM, Alectra, Johnson Controls, etc., and also included government representatives to discuss the regulatory aspects of impact to our profession. The event was hugely successful and had sponsors from Alectra, City of Markham, City of Vaughan, and York University's Lassonde School of Engineering.

Of course, we continue to host the events that we do best, which included Program Committee's soft skill training and regulatory related seminars, mentorship for EITs, Design Challenges and Mathletics for primary and secondary school students, Capstone project with York University, and Women-in-Engineering program to support the 30-by-30 initiative.

As I reach the term limits, this is my last year as the Chair for this wonderful chapter. I must say I am truly blessed with a hard-working Board of Directors and a terrific team of tireless volunteers at this chapter. I want to thank each and every one of you for your contribution and dedication to uphold York Chapter as the envy of all others. It was my honour to do so, and I will be forever grateful for the chance to serve as your chair, and for all the wonderful memories that you have given me.

Lui Tai, P.Eng.
Chair, PEO York Chapter
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2019-2020 Executives



Back: Daniel Cho, EIT, Gordon Ip, P.Eng., FEC, Darren Verasammy, P.Eng., Elmer Ting, P.Eng., Tian You Si Tu, P.Eng.

Front: Sharon Chen, EIT, Lui Tai, P.Eng., Annabelle Lee, P.Eng., Jennifer Lu, P.Eng., Tommy Sin, P.Eng.

Missing: Hannah Ehtemam, P.Eng., Marcia Lim, P.Eng., Ed Fung, P.Eng., Oliver Xiao, EIT

2020 Annual General Meeting and 2020-2021 Chapter Executive Elections

The Chapter's Annual General Meeting (AGM) and election for the 2020-2021 executive board will be held on **Feb 22, 2020**.

For more details on the AGM, please visit: www.peoyork.com/agm

Who is eligible to run for election?

- Be a member of good standing with PEO and have no criminal record;
- Recommendations via email by two professional engineers that you are a member of good standing.
- A short description why you want to run for election and which position you intend to run for.

On election day at the AGM

Each candidate will provide a short, 1-minute speech on why they are running and if elected how they will serve the Chapter.

Deadline

Please note that the deadline is two weeks before the AGM. To be eligible to run for the election, nomination and interest needs to be submitted to nominations@peoyork.com by **Feb 8, 2020**.

Women-in-Engineering News

WIE Committee started off the year with a successful Smart City event followed by an awareness session geared towards internationally trained engineers of resources available towards P, Eng. license. This year's focus is on PEO's 30 by 30 Action Plan.



Coffee and tea social for Internationally Trained Engineers

To increase the number of newly licensed engineers that identify as women to 30% by 2030. Studies show greater innovation and ingenuity is achieved with diversity in organizations. Stay tuned for a WIE social event and a 30 by 30 Awareness Session in the new year.

Marcia Lim, P.Eng.
Women-in-Engineering Director
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Program News

This year the program committee organized 10 events. The events included various technical and interpersonal development sessions. This year was our first collaboration with Ryerson University's Ted Rogers Business Hub to bring python lessons to our members. We hosted a diverse range of presentations this year to inform engineering professionals and young engineers about the new Construction Lien Amendment Act, which took effect this October, the Future of Tall Structural Timber, and engineer's obligations when it comes to using the engineering seal. On the other hand, our committee invited Hugh Wilson, who is a voice actor, to teach us the fundamentals of public speaking and how to hone our listening skills.

The committee hopes to collaborate with more organizations and other professionals in the future to host more interesting and engaging discussion and presentations.

Jennifer Lu, P.Eng.
Program Director
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Government Liaison News

In 2019, the Government Liaison Program (GLP) Committee spent significant efforts to cultivate new relationships with the newly elected Members of the Provincial Parliament (MPPs) as a result of the 2018 elections. We also continued to maintain our established relationships with re-elected officials. We understand that this provides a great opportunity for our members' voice to be heard in government. GLP activities in the past year were of great significance as we continued to improve our relationships with the MPPs. With our continued efforts, our goal is to increase engagement in the following year.



Hon. Michael Tibollo, MPP of Vaughan-Woodbridge at Winter License Presentation Ceremony

This year we had the pleasure of having Hon. Michael Tibollo, MPP of Vaughan-Woodbridge and Associate Minister of Mental Health and Addictions; as well as MPP of Aurora-Oak Ridges-Richmond Hill, and Parliamentary Assistant to the President of the Treasury Board, Michael Parsa, attend the winter License Presentation Ceremony (LPC) and Project of the Year Award. Both MPPs addressed our newest licensees and members, discussing the importance of engineering especially as it relates to shaping the future of Ontarians. Helping the residents of York Region, we participated in the food drive of MPP Logan Kanapathi of Markham-Thornhill and Member of the Standing Committee on the Legislative Assembly. We also had the honour of having Mr. Billy Pang, MPP of Markham-Unionville and Parliamentary Assistant to the Minister of Heritage, Sport, Tourism and Culture attend the Fall LPC. He discussed the importance of engineering in to shaping the development of our communities and emerging engineering fields.

York Chapter also attended the GLP Academy to get a better understanding of how we can continue to cultivate our relationship with our local MPPs and learn the latest issues facing engineers. As one of the PEO chapters with the most MPPs, we are excited about the opportunity to continue building these relationships and bring light to issues facing engineers in our province.

Hannah Ehtemam, P.Eng.
Government Liaison Director
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Awards and Recognition News

The Awards Committee has launched the annual PEO York Chapter Engineering Project of the Year Award (EPOTYA) competition for 2019 and we're looking for your project submission! The award aims to promote the practice of the engineering profession by recognizing outstanding projects of a technical nature within York Region and the surrounding GTA.

On behalf of the Awards Committee, I would like to congratulate the 2018 winners and thank all the applicants for their engineering successes and contributions towards their local communities. The 2018 winners were:

- York Region (The Regional Municipality of York)
- Hydrogenics Corporation
- Chisholm, Fleming and Associates



PEO York Chapter Project of the Year judge Brian Lee (City of Markham), with Mark Nykoluk (York Region), representing York Region, with PEO York Chapter board members

Like last year, this year's award will be evaluated in three categories. This is to ensure projects are evaluated relative to resources of a similar organizational size. Projects from **ALL** engineering disciplines are welcome! The deadline for abstract submission for the 2019 Engineering Project of the Year Award is **January 17, 2020**. Please check it out at www.peoyork.com/poty to download the application package.

Finally, to give our 2019 competition a kick start, an incentive of \$100 in gift card will be awarded to the first **five** York Chapter members who submit an eligible application! Visit our website for full detail. We look forward to celebrating your successes!

The Recognition Committee is also accepting nominations for Distinguished Volunteers who has contributed exceptionally in York Chapter's success. The committee has submitted to PEO Headquarters our 2019 Chapter Volunteer List to recognize our volunteers on their active contribution to York Chapter. I hereby encourage more volunteers to participate in York Chapter activities and serve our fellow York Chapter members.

Oliver Xiao, EIT
Awards & Recognition Director
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Mentorship and EIT News

2019 was another incredible year for the Mentorship and EIT committee (MEC)! We continuously focused on helping EITs with their licensure journey and engineers' career developments.

In May, 49 EITs participated in our Licensure Assistance Program (LAP), which was 63% more than the previous year. More importantly, the ratio of female EITs increased to 20.4%. This was exciting news for us as we were working hard to support the Women-in-engineering (WIE) 30 by 30 program initiated by PEO (raising the representation of women within the engineering field to 30% by 2030). The support from our engineers is the key to making this program successful every year, and we appreciate all engineers' valuable time and guidance for our EITs throughout the entire LAP. I look forward to seeing more engineers and EITs participate in LAP 2020.



Proactive Job Hunting Approach Seminar

We held a Proactive Job Hunting Approach Seminar in July, sharing new and various skill-sets and strategies to EITs to promote themselves with better shapes in the engineering job market.

We successfully held our second Demystifying the Academic Requirement Committee (ARC) &

Experience Requirement Committee (ERC) seminar in August. Our very own York Chapter past chairs - Gordon Ip and Ed Poon, who are long-time members of the PEO's ARC & ERC, demonstrated the critical areas during the ARC and ERC interviews, increasing the chances to past the interviews. This seminar was a valuable session, providing EITs guidelines to correctly prepare for their interviews.

Another goal for the MEC is to bond the engineers and EITs together. In September, we held an Engineers vs. EITs Bowling Tournament as well as an intensive physical activity event in October – Archery Competition for our second round of Engineers vs. EITs. These events provided excellent opportunities for engineers and EITs to build connections.

MEC held the first Immigration Story Sharing seminar in November to help engineers and EITs who recently immigrated to Canada and struggled with blending into the culture and working environment. Expectedly, we got positive feedback from our attendees. We will continue to have a similar event in 2020.

Once again, we would like to sincerely thank all volunteers who contributed their time and effort to organize all the events, and we encourage more volunteers to join our team. Together, we lead to a brighter future!

Tian You Si Tu, P.Eng.
Mentorship & EIT Director
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Important Dates!

Jan 17, 2020 - Application deadline for Engineering Project of the Year Award

Feb 8, 2020 - Last day to stand as a candidate for executive election

Feb 22, 2020 - Annual General Meeting