



## In this issue

Message from the Chair

### CHAPTER EVENTS

Volunteer Night

Teacher Information Night

Oakville Chapter Annual BBQ

Oakville Children's Festival

Beer Tasting Brewery

Fall License Ceremony

Licence Assistance Program  
Training

Haltech Innovation

Government Liaison Program  
(GLP) Update

### Upcoming Events

AGM and Certificate Ceremony

National Engineering Month

## Message from the Chair



**Parisa Mahdian, P.Eng., M.Eng.**  
Chair, Oakville Chapter  
Professional Engineers Ontario  
[chair@peo-oakvillechapter.ca](mailto:chair@peo-oakvillechapter.ca)

It has been an exciting year for the Oakville Chapter where the new executive board delivered a wide range of events. This newsletter serves to capture main events of the chapter. Our goal has been to bring various events in supporting PEO's mission to regulate and advance the practice of engineering to protect the public interest. The PEO Oakville Chapter executive board sincerely hopes that you find this newsletter informative and enjoyable.

We had the opportunity to liaise with the new provincial government, and bring innovative events to our members. Our Government Liaison Program (GLP) continues to be one of PEO's most active and

I am extremely proud to report that Oakville Chapter was selected to receive the GLP Award (3-5 MPP Category) for the third time.

Oakville chapter held an open house and attracted new members to support us as part of our volunteer at large. We also had an event with our local high-school teachers where we discussed ways to improve our outreach activities in the community. In addition to educating students and teachers on the importance of STEM and engineering, the Education Committee did a great job at presenting scholarships during the fall licencing ceremony. Our Chapter continued to provide a well-executed Licensure Assistance Program (LAP), which links engineering interns (EITs) with Professional Engineers as they progress towards obtaining their engineering licence.

Our flag-ship annual BBQ for our members and their families at Kelso Conservation Park was a fun event with where local Oakville and Milton politicians and their families were also present. We continue to actively collaborate with Oakville Chamber of Commerce and Haltech to produce engaging events such as Entrepreneurship in Tech Industry, and Smart Hospitals. Oakville Chapter was also engaged on expanding collaborations and co-hosting events with other organizations such as Canadian Nuclear Society and ASM Ontario.

Lastly, a friendly reminder that most Chapter communications are via email and through updates on our chapter website. It is vital that you opt-in and maintain your contact information in PEO records in order to get notified of our upcoming events and activities. Please visit our website at [www.peo-oakvillechapter.ca](http://www.peo-oakvillechapter.ca) .stay tuned for our upcoming e-blasts and I look forward to seeing you soon!

### What's the difference between data science, machine learning, and artificial intelligence?

The fields do have a great deal of overlap, and there's enough hype around each of them that the choice can feel like a matter of marketing. But they're not interchangeable: most professionals in these fields have an intuitive understanding of how particular work could be classified as data science, machine learning, or artificial intelligence, even if it's difficult to put into words.

An oversimplified definition of the difference between the three fields:

**Data science** produces insights

**Machine learning** produces predictions

**Artificial intelligence** produces actions

To be clear, this isn't a sufficient qualification: not everything that fits each definition is a part of that field. (A fortune teller makes predictions, but we'd never say that they're doing machine learning!) These also aren't a good way of determining someone's role or job title ("Am I a data scientist?"), which is a matter of focus and experience.

Source:

<http://varianceexplained.org/r/ds-ml-ai/>

### Know any Teacher, or Students?

If so, keep an eye out for our education events!

### Volunteer Night – May 24, 2018

On May 24th, the PEO Oakville Chapter held a pub night at the Abbey Arms in Oakville to talk about its work in the community and call for volunteers to join us. The evening was well attended and approximately 26 new volunteers signed up for Education Committee, Government Liaison Program, License Assistance Program for EITs, Events Committee and Innovation Committee. With the excellent response and lists of "Volunteers at Large", the PEO Oakville Chapter will be in a good position to carry out its programs and new initiatives. Our thanks to everyone for coming out.



### Teacher's Appreciation Night – June 7, 2018

We hosted an appreciation night at Abbey Arms Pub to thank local teachers in the region. The chapter had the chance to talk about curriculum issues and STEM (science-technology-engineering-mathematics) events that schools host throughout the year. The education committee learned about the different ways the chapter can work with schools and students and made important connections. As a chapter, we are very appreciative of the hard-working teachers in our region and this night was about celebrating all that they do.



### Annual Chapter BBQ – June 23, 2018

PEO Oakville Chapter held its annual BBQ for members and their families on June 23, 2018 at Kelso Conservation Area, Milton to offer thanks and gratitude, to chapter members for their support during the year.

Both Parm Gill, MPP (Milton) and Stephen Crawford, MPP (Oakville) took part in the event, taking the time to meet with the Oakville Chapter members. In addition, Federal Deputy Leader of the Official Opposition Lisa Raitt, MP (Milton) and Oakville Regional and Town Councillor Tom Adams (Ward 6) also participated in the event along with both PEO West Central Councillors Lisa MacCumber, P.Eng., and Warren Turnbull, P.Eng. It serves a great opportunity for chapter engineers to meet the executive committee of Oakville Chapter and discuss the measures to be taken for further enhancement of Oakville Chapter activities in future.



### Oakville Children's Festival – July 8, 2018

The Education Committee participated in this year's Children's Festival at the beautiful Queen Elizabeth Park Community and Cultural Centre. The event was attended by tens of thousands of people. Our hands-on STEM and Design-Build activities were well received by attendees. Thank you to all our volunteers who came out and helped at the booth.



### Newsletter Advertising!

This newsletter is an efficient way to present assorted commercial information to the engineering community in the Oakville-Milton area.

Your advertisement will reach approximately 3,000 of our licensed Professional Engineers in the area. This is an excellent way to reach a specific target audience for very little cost.

If you are looking for an engineer, advertise in our newsletter.

Contact Iyyad Jariri by email at [newsletter@peo-oakvillechapter.ca](mailto:newsletter@peo-oakvillechapter.ca)

Ads in either a camera-ready, or (various) computer file formats are acceptable.

**Intermediate:**

(2" x 3½") \$115 per issue

**Half page:**

(4" x 7½") \$300 per issue

**Full page:**

(8½" x 7½") \$540 per issue.

### Beer Tasting Brewery Tour – August 30, 2018

A beer tasting event and tour was arranged by the chapter for our members. The tour was arranged at Orange Snail Brewers located in Milton on August 30, 2018.

More than twenty members attended the event which provided an opportunity to network and gain knowledge about the whole process. The tour was conducted by Damien, a Professional Engineer and co-owner of the Brewery, who provided detailed information on processing the beer.

Different beers were sampled and Damien explained ingredients used, as well as the process. Members' feedback was positive and we will try to arrange another tour in summer of 2019.



### Fall Licence Ceremony – September 13, 2018

Oakville Chapter held the 2018 Fall Licence Presentation Ceremony on September 13 evening at Holiday Inn Oakville Centre. Twenty seven engineers, their families and friends joined us to celebrate this occasion and receive their licences. Student scholarships were also given to top local (Oakville and Milton) high-school students entering engineering programs. Lucy Casacia, Siemens Canada VP of Infrastructure was our keynote to encourage the new licence and chapter scholarship recipients.

Effie Triantafilopoulos, Parliamentary Assistant to the Minister Health and Long-Term Care, MPP - Oakville North-Burlington, Councillor Tom Adams, Oakville Regional and Town Councillor (Ward 6), staff from MPP Stephen Crawford and MPP Parm Gill, Lisa Maccumber P.Eng., PEO West Central Regional Councillor brought greetings and congratulations to the new P.Eng.



### Licensure Assistance Program – May through November (2018)

The Licensure Assistance Program (LAP) started on May 23, 2018. The program ran May 2018 through to end of November 2018. Twenty EITs and an equal number of guides participated in this year's program. The program was a great success; thanks to all those who participated. We wish our future licensees' success as they embark on their journey towards becoming professional engineers.



### Entrepreneur in Tech Event – October 23, 2018

PEO Oakville chapter partnered with Haltech to host our first innovation event this year. In total, sixty people attended this excellent event. Saba Kazmi and Isabela Godik from Haltech provided an overview of all the great services offered by Haltech to help entrepreneurs get started in their journey. Further into the presentation Dr. Wayne Maddever shared his leadership and team building experiences as an entrepreneur. The evening's last presenter was the CEO of Advanced Test and Automation, Mr. Anthony Khoraych, who shared his successful entrepreneurship journey which started from his garage to a major industrial building complex located in Milton. Overall, the event was well received by our members.



### Let's Talk Digital Government – September 7, 2018

On September 7, 2018 PEO Oakville chapter, Cisco Systems, Hatch, and Oakville Chamber of Commerce hosted a morning breakfast meeting on Digital Government with the Honourable Scott Brison. The event, held at Glen Abbey Golf Club, was sold-out. More than 100 attendees heard the federal government's plan to improve and streamline how future procurement processes will be simplified. Mr. Brison explained that by digitizing government processes it will help cut many of existing bureaucratic processes that are currently in place and improve overall service delivery.



### Government Liaison Program (GLP) Update

The Government Liaison Program (GLP) was established to ensure that government, PEO members and the public continue to understand and recognize PEO's regulatory mandate, in particular its role regulating the profession in the public interest. GLP goals include:

- Helping foster a better understanding of engineering work among Members of Provincial Parliament (MPPs);
- Increasing MPPs' understanding of PEO's regulatory role to protect the public interest;
- Offering unique knowledge and expertise to government before considering new policy related to engineering work and regulation of engineering; and
- Developing relationships among MPPs, local engineers and PEO chapters.

Our chapter was honoured to be recognized for our efforts in GLP activities once more and received the GLP Chapter Award in the 3 to 5 MPPs category for the third time. Our success attributes to the strong support from our chapter and the executive board, the continuous help and team work of our GLP Committee and lastly the hospitality that we received by our local politicians at all three level of governments.

On November 16, our chapter held another successful "Take Your MPPs to Work" event at the Ford Oakville Assembly Plant in Oakville. Three MPPs participated and they are Rudy Cuzzetto representing Mississauga-Lakeshore, Stephen Crawford representing Oakville and Effie Triantafilopolous representing Oakville North-Burlington. It is the fifth Take Your MPP to Work event and the second Joint Take Your MPPs to Work event for Oakville Chapter. At the event, the three MPPs had an opportunity to learn how engineering played a role within the automotive industry and they were able to have a tour at the Oakville Assembly plant. Oakville Chapter would like to thank all the MPPs who attended and Ford Motor Company of Canada for their continued support. Looking forward, the GLP Committee is looking for a host company, which can demonstrate exemplary engineering work in their day-to-day operation for 2019 calendar year.

If anyone is interested in knowing more about the Government Liaison Program or would like to join our chapter's GLP committee or like to participate for next year's Take Your MPP to Work host, please contact Jeffrey Lee at [glp@peo-oakvillechapter.ca](mailto:glp@peo-oakvillechapter.ca) for more information.



### Newsletter Sponsors

RBC Dominion Securities Inc.

## Questioning your retirement plan?

Get a free professional second opinion from an advisor at Canada's leading wealth management firm



This no-obligation service will help you answer key questions such as:

- Will you have enough to retire comfortably?
- Will your assets be transferred to your loved ones as planned?
- Is your investment portfolio as tax-efficient as it could be?

Your retirement plan is the blueprint for your family's long-term success. Make sure it's as disciplined and strategic as it can be with a second opinion from Najia Crawford of RBC Dominion Securities.



**Contact Najia to arrange your complimentary second-opinion service today.**  
**Najia Crawford**  
 Investment Advisor  
 905-469-7098 | najia.crawford@rbc.com

RBC Dominion Securities  
 301 - 435 North Service Rd. W. | Oakville, ON  
 www.najiacrawford.com



**Wealth Management  
 Dominion Securities**

RBC Dominion Securities Inc.\* and Royal Bank of Canada are separate corporate entities which are affiliated. \*Member Canadian Investor Protection Fund. RBC Dominion Securities Inc. is a member company of RBC Wealth Management, a business segment of Royal Bank of Canada. ® / ™ Trademarks of Royal Bank of Canada used under license. © 2018 RBC Dominion Securities Inc. All rights reserved. 18-0917-104-100

## McINTOSH PERRY

**Do you want to work for one of Canada's Best Managed Companies?**



**We are a growing engineering firm in Oakville and, we're looking for dedicated and experienced engineers - just like you!**

[www.mcintoshperry.com](http://www.mcintoshperry.com)



**January 23, 2019**

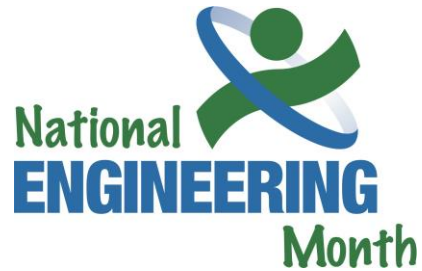
**Annual General Meeting  
And Certificate Presentation**



PEO Oakville Chapter AGM will be held on January 23, 2019 at Rattle Snake Point.  
All members are requested to register and attend the event. The annual report will be presented for chapter activities and a new executive board will be elected for 2019.

**March 2, 2019**

**National Engineering  
Month**



Please refer to our website for registration details!



**PEO Oakville Chapter &  
Holy Trinity Catholic Secondary School**

*A fresh perspective on what it means to be an engineer*



**NATIONAL ENGINEERING MONTH 2019**

All School Levels in Oakville and Milton: Come and join us to celebrate National Engineering Month 2019. Enjoy the day and have a blast with activities, demos, workshop, design challenge, and learn about "A fresh perspective on what it means to be an engineer!"



**Highlights:**

- Speed Engineering
- Engineering Our world!
- Lunch, Demos, and Networking
- Design Challenge!

**Free admission**

**Awesome Prizes**

**Refreshments & Lunch Provided**

**Saturday March 2 2019 – 10am to 2pm**  
**Location: Holy Trinity Catholic Secondary School,  
2420 Sixth Line, Oakville, Ontario**

Registration: <http://www.peo-oakvillechapter.ca/category/events/>

**Registration Deadline: Monday February 25<sup>th</sup> 2019**

**Brought to you by:**



## 2018-2019 Officers & Executive Board Members

### Officers

#### Chair

Parisa Mahdian

[chair@peo-oakvillechapter.ca](mailto:chair@peo-oakvillechapter.ca)

#### Vice Chair

Norbert Lee

[vice-chair@peo-oakvillechapter.ca](mailto:vice-chair@peo-oakvillechapter.ca)

#### Secretary & Privacy Officer

Adrian Pierorazio

[secretary@peo-oakvillechapter.ca](mailto:secretary@peo-oakvillechapter.ca)

#### Treasurer

Jeffrey Lee

[treasurer@peo-oakvillechapter.ca](mailto:treasurer@peo-oakvillechapter.ca)

#### Past Chair

Len D'Elia

[past-chair@peo-oakvillechapter.ca](mailto:past-chair@peo-oakvillechapter.ca)

### Committee Chairs

#### Education Committee Chair

Sarah Majlesi

[education@peo-oakvillechapter.ca](mailto:education@peo-oakvillechapter.ca)

#### Events Committee Chair

Julie Dixon

[events@peo-oakvillechapter.ca](mailto:events@peo-oakvillechapter.ca)

#### GLP Committee Co-Chair

Sohail Naseer

[glp-advisor@peo-oakvillechapter.ca](mailto:glp-advisor@peo-oakvillechapter.ca)

#### GLP Committee Co-Chair

Jeffrey Lee

[glp@peo-oakvillechapter.ca](mailto:glp@peo-oakvillechapter.ca)

#### Innovation Chair

Norbert Lee

[innovation@peo-oakvillechapter.ca](mailto:innovation@peo-oakvillechapter.ca)

#### LAP Director

Mirosław Szymczyk

[lapd@peo-oakvillechapter.ca](mailto:lapd@peo-oakvillechapter.ca)

#### Web & Media Chair

Parisa Mahdian

[media@peo-oakvillechapter.ca](mailto:media@peo-oakvillechapter.ca)

### Committee Coordinators

#### Certificate Coordinator

Joanna Wu

[certificates@peo-oakvillechapter.ca](mailto:certificates@peo-oakvillechapter.ca)

#### Education Coordinators

Zohreh Vakili

[education1@peo-oakvillechapter.ca](mailto:education1@peo-oakvillechapter.ca)

#### GLP Coordinator

Rawi El-Masri

[glp1@peo-oakvillechapter.ca](mailto:glp1@peo-oakvillechapter.ca)

#### Newsletter Editor

Iyyad Jariri

[newsletter@peo-oakvillechapter.ca](mailto:newsletter@peo-oakvillechapter.ca)

#### Webmaster & Media Coordinator

Mehri Mansouri

[webmaster@peo-oakvillechapter.ca](mailto:webmaster@peo-oakvillechapter.ca)

### Volunteers at Large

Auday Al-Salihi

Rainer Arocena

Andrew Grant

Elaine Hu

Quoc-Viet Le-The