



Chapter News

October 2017

WEST TORONTO CHAPTER
PROFESSIONAL ENGINEERS ONTARIO
<http://www.westtoronto.peo.on.ca>

Event Report: PEO-West Toronto Licensing Ceremony, Tuesday, May 9, 2017

On Tuesday, May 9, 2017, the West Toronto Chapter of Professional Engineers of Ontario (PEOWT), welcomed 18 new professional engineers to PEO and our 2900-member strong West Toronto Chapter. The ceremony was held at the Islington Golf and Country Club in Toronto, and MC'd by **Richard Weldon**, P.Eng., FEC. The new licence recipients presented to the head table and the assembled guests at this ceremony were:

Kristina Angelina Veronika Boka, P.Eng.
Michael Morgan Campbell, P.Eng.
Elizabeth Susan Csaszar, P.Eng.
Lei Dai, P.Eng.
Benjamin Gordon Desclouds, P.Eng.
Adam Michael Duyvestyn, P.Eng.
Simon William Faux, P.Eng.
Daniel Goldberg, P.Eng.
Isaac Israel Jourard, P.Eng.

Evan Blake Konarek, P.Eng.
Rade Kostic, P.Eng.
Jae Hong Lee, P.Eng.
Fadi Madi, P.Eng.
Russel Gerard Mailloux, P.Eng.
Colum Andrew O'Sullivan, P.Eng.
Ross Hunter Spark, P.Eng.
Vicky Lynn Sura, P.Eng.
Milkias Fessehaie Woldegiorgis, P.Eng.

The head table guests presiding over this ceremony, included **Marilyn Spink**, P.Eng., Vice President PEO (appointed); **George Comrie**, P.Eng., FEC, Past President PEO; **Gerard McDonald**, MBA, P.Eng.; PEO Registrar; **Danny Chui**, P.Eng. FEC; West Central Region Councillor; **Warren Turnbull**, P.Eng.; West Central Region Councillor; and **Matthew Ng**, P.Eng., FEC, PEO Chapters Manager.

In addition to the West Toronto Chapter licence recipients, attendees also had an opportunity to meet new licence recipients from the Etobicoke Chapter, Kingsway Chapter and the Toronto Humber Chapter. A PDF copy of the event program is included on the licensing events page (see below).

Marilyn Spink, P.Eng., and **George Comrie**, P.Eng., FEC, reminded the audience, and especially the new licence recipients, on the importance of what professional engineers provide to our society.

On behalf of **Catharine Hancharek**, P.Eng., PEO West Toronto Chapter Chair, (who introduced the new chapter licence recipients), and the chapter board, we want to congratulate all new licence recipients. We also want to gratefully acknowledge the support and contributions made by friends, family and guests who helped our licence recipients achieve their goals. This event truly marks a significant milestone in our new licence holders' careers.

In addition, we again featured a photo booth to mark the occasion, which was sponsored by TD Meloche-Monex. Framed photos of our recipients with their licences in hand were made available for pick-up after the ceremony.

The chapter executive would like to invite all our new licence recipients to join us at upcoming chapter seminars and events. You will automatically receive eBlasts of upcoming chapter events, but you should also check the chapter calendar page (<http://www.westtoronto.peo.on.ca>) for upcoming events. To ensure you receive chapter communications, please ensure your personal profile is always up to date in the PEO database. Also, please ensure any PEO-related email misdirected to your SPAM folder is declared "SAFE" or "NOT SPAM".

I would also like to thank all the chapter volunteers who helped to make this one of the West Toronto Chapter's smoothest running and successful licence ceremonies.

Photos from this ceremony, including group photos of participants, have been posted to <https://www.dropbox.com/sh/0tx9n34ricu14i2/AAAnT5c4Z8r6rKJGIQ4dBLuaa?dl=0> and is accessible through our chapter website's licensing page.

Georg A. M. Kralik, P.Eng., FEC
Past Chair
Co-Vice Chair - Women in Engineering Sub-Committee
Licence Presentation Coordinator
Engineer-in-Residence
West Toronto Chapter, Professional Engineers Ontario (PEOWT)

Event Report – Are You Happy in Your Career? – March 22nd, 2017 – by Hilary Whiting, E.I.T.

On March 22nd, 2017, the West Toronto Chapter asked its members the tough question “Are you happy in your career?” The PEOWT hosted a seminar focused on career planning and exploring the distinction between a “job” and a “career”. Guest speaker [Heather Stewart](#), a professional career coach and founder of [Eden Park](#), a career and leadership services firm based in Toronto, led the lively discussion.

Prior to the seminar, attendees were surveyed and the data was telling. Of the 16 survey respondents, over 60 per cent reported that they were not currently happy at work. Survey respondents were concerned about career progression and the value of obtaining the P.Eng. designation in the context of a shifting employment landscape where engineering and technology is becoming increasingly integrated into multi-disciplinary fields of work and engineers are filling less traditional roles in society.

Heather’s talk encouraged the use of self-assessment tools to help guide choices around career moves and paths; and reminded guests of the vast range of careers available to engineers wanting to contribute in non-traditional roles.

While the talk was aimed at helping EITs plan out the early stages of their careers, the mixed audience of students, EITs and seasoned P.Engs and members of other professions made for an engaging discussion with valuable takeaways for all in attendance.

More information about career planning and the services offered by Eden Park can be found on their website at <http://www.edenparkgroup.com/>

Final Seminar Report – Phase-Down of HFCs and the Impact on Air Conditioning – April 26th, 2017 by Tom Markowitz, P.Eng

On October 16th, 2016, in Kigali, Rwanda, nearly 200 nations, including Canada, adopted an amendment to the 1989 Montreal Protocol on Substances to Deplete the Ozone Layer. In signing the amendment, the nations agreed to phase-down the use of hydrofluorocarbons (HFCs) (e.g. R-134A: 1,1,1,2-tetrafluoroethane), which are used predominantly in refrigeration, air-conditioning and foam blowing applications. HFCs are greenhouse gases that can be hundreds to thousands of times more potent than carbon dioxide, the predominant greenhouse gas. HFCs were developed to replace CFCs (e.g. R-12: CCl₂F₂) and HCFCs (e.g. R-22: CHClF₂) which are now being phased-out under the 1989 Montreal Protocol.

Although not widely recognized, the invention of CFC refrigerants in the first half of the 20th century was a disruptive technology that changed the history of the world.

Can we invent a simple replacement for CFCs, HCFCs and HFCs refrigeration and air conditioning systems? As an alternative, can we re-engineer our cooling requirements, or new refrigeration equipment to meet these requirements?

This seminar addressed the engineering challenges/opportunities posed by the phase-out of CFCs, HCFCs, and HFCs from refrigeration and air conditioning. Although the phase-out will not occur significantly in Canada for another thirteen years, the need to replace these refrigerants by some other technology will become increasingly important.

Sponsors:

- Professional Engineering Ontario – West Toronto Chapter
- Ontario Society of Professional Engineers
- American Society of Heating, Refrigerating and Air Conditioning Engineers – Toronto Chapter
- University of Toronto, Department of Chemical Engineering and Applied Chemistry

Speakers:

The speakers addressed the technology of refrigerants, the reasons for the phase-out of HFCs, Canada’s proposed plan to phase-out HFCs, the industry’s response to the Kigali Amendment, and two current alternatives to the use of HFC refrigerants.

Tom Markowitz, P.Eng., PEO West Toronto Chapter Executive “What is a Refrigerant?”

Nancy Seymour, P.Eng., Environment Canada, Head, Ozone Protection Programs, Gatineau, QC “Phase-down of HFCs”

James E. Wolf, Presidential Member, American Society of Heating, Refrigerating and Air Conditioning Engineers, Washington, DC, USA “The Industry’s Response to the Kigali Amendment”

Ann-Sophie Hamel-Boisvert, ing jr, Account Manager, Réfrigération Carnot, Trois- Rivières, QC “Refrigeration with Carbon Dioxide “

Joyce Lee, P.Eng., Enwave Energy Corporation, Vice-President, System Operations and Asset Management, Toronto, ON “Deep Lake Water Cooling”

Audience:

A total of 57 audience members were registered through Eventbrite. Of these, 42 were PEO members and 15 were students, seniors or from other sponsoring agencies. In addition, the audience included the five speakers, five PEOWT Executives and volunteers, and three executives from other sponsoring agencies. The audience was very enthusiastic in communicating with the speakers.

Information:

Videos of all five speakers and their presentations are posted on Youtube:

<https://www.youtube.com/playlist?list=PLBDvjA-6cD9Q7Cps7p3X71TWOrciy7fvF>

Event Report – PEAk Program Information Session – June 22, 2017 – by Derek D’Costa, P.Eng, FEC

On June 22, 2017, Bernard Ennis, P.Eng., PEO’s Director of Policy and Professional Affairs presented a seminar on the new Practice Evaluation And Knowledge (PEAK) program to West Toronto Chapter members:

PEO’s new voluntary PEAk program provides the regulator with an accurate and up-to-date regulatory profile of its licence holders that will help meet the public’s ever-increasing demand for accountability among regulators of professions.

Practising licence holders are asked to complete a practice evaluation questionnaire and an online ethics module prior to their licence renewal date. Upon completion of the questionnaire, they are provided with an individual continuing knowledge target (in hours) to voluntarily complete and report to PEO prior to their next renewal date the following year.

Non-practising licence holders are only asked to declare they are not practising professional engineering and complete an online ethics module prior to the date of their licence renewal.

The following points are of most relevance to PEOWT:

- Our technical seminars will qualify for PEAk credits.
- We may advertise our technical seminars as qualifying for PEAk credits.
- Bernard Ennis’s PEAk information session does not qualify as a PEAk credit.
- The following continuing knowledge activities, aligned to your practice will qualify for PEAk credits: reading technical journals, attending seminars, preparing & giving lectures, mentoring EITs, etc.

If anyone has any questions or comments about the PEAk program, they may send them to <peopeak@peo.on.ca> and Bernard Ennis will respond to them.

To access the presentation materials, **please click [PowerPoint Presentation](#), and [Event Photos](#)** or go to the chapter website. For full details about the PEAk program, please visit PEOPEAK.ca.

Outreach Committee – by Nigel Fung, P.Eng

The outreach committee is tasked with getting more young people interested and involved in STEM and possibly an engineering career. We are especially interested in trying to attract under-represented demographic groups such as women and students from underserved schools in the West Toronto Chapter area.

The current committee members are Hilary Witting, Shannon Pole, Kenji Ferguson, Hanane Zaidi, Steve Lum & Nigel Fung.

The committee has administered scholarships through the generous works of Steve Lum for many years and is now looking for opportunities to expand its scope.

Initial attempts to contact high schools in the West Toronto area were not fruitful despite sending e-mails to 27 public and Catholic high schools and following up with phone calls.

Participation in PEO's annual education conference shed new light on the possibility of reaching out to high schools through Skills Ontario and PEO/EWB's Engineer in Residence Program.

We are currently communicating with these two organisations to find out how to engage our membership to get involved and participate in these well-established programs. They have already established the mechanics and logistics for accessing the secondary school system for outreach events/opportunities.

The outreach committee has also found and supported two participants in the Women in Engineering (WIE) design competition earlier this month and is currently collaborating with the University of Toronto to get our West Toronto membership engaged in U of T volunteer opportunities helping Professor Aimy Bazylak in the department of Sustainable Energy with design problems for "Sustainability Scholars" design teams in her Engineering Strategies & Practice (ESP) course.

This fall, the committee is beginning to use social media such as Instagram or Snapchat in order to attract questions and interest from the 18 and under age group. Also we will try to reach out to our membership to see if any parents are interested in helping us host a bridge busting competition at a West Toronto elementary school or two (given that the use of bridge busting equipment from other chapters has been extended to us).

We are always looking for new members so please contact Nigel Fung (fung_nigel_s@yahoo.com) if you are interested in outreach.

Upcoming Event: Evening Seminar: "What is Blockchain?" - November 22nd, 2017.

Visit http://westtorontopeo.com/?page_id=19 for the event venue.

WEST TORONTO CHAPTER BOARD			
<i>Officer Positions:</i>			
Catharine Hancharek, P.Eng.	Chair	Barry J. Westhead, P.Eng., FEC	Past-Chair, Chair Recognition of Excellence, Chair Engineering Mentorship & Licensure Assistance Program
Ammar Nawaz	Vice-Chair, GIP Chair, Essential Skills Co-Chair, Technical Seminars Chair		
Pat Scanga, P.Eng., FEC	Treasurer	Hilary Whiting, EIT	Secretary, Youth Design Competition Lead
<i>Executive Positions:</i>			
Eugen Karanxha, P.Eng.	Past Past Chair	Thomas Markowitz, P.Eng	Environmental Seminars Lead
Derek D'Costa, P.Eng., FEC		Siddharth Lawande, EIT	
Jim Chisholm, P.Eng.	Effective Communications Chair, OSPE & PEO Collaboration Lead	Boris Replete, P.Eng	
Georg A. Kralik, P.Eng., FEC	Licence Ceremony Coordinator, FIRST Robotics Lead	Shannon Pole,	Essential Skills Co-Chair
<i>Committee Members (Non-voting):</i>			
Steve Lum, P.Eng.	Scholarship Lead	Kenji Ferguson, EIT	Newsletter
Roman Lysiak, P.Eng., FEC		Hanane Zaidi	
Paul Collier, P.Eng, Retired	Webmaster	Marina Freire-Gormaly, EIT	
Arezou Karimian, EIT		Sanja Hulec	Communications Chair
Richard Miraz		Nigel Fung, P.Eng	Outreach Chair
Angel Sanchez	Engineers & Entrepreneurship Chair	Robert Wilson, P.Eng.,FEC	Policies and Government Influence Lead