



# Chapter News

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EAST TORONTO CHAPTER

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## Chair's Message

Hello East Toronto Chapter,

If you are reading this, I am going to assume you care about the engineering profession and are already tuned in to what's going on at PEO. I need your help reaching out to your fellow members to engage them and get them more involved with the governance of the profession.

We are a self-regulated profession. That means we have been given the right and the privilege by the province to govern our own affairs. It is disappointing that so few people participate in that governance. In the 2016 PEO Council elections, 10.27% of members voted. In the East Central Region, which includes the East Toronto Chapter, the turnout was worse: only 9.9%.

I became involved with PEO because I care about our profession and I want to see the value of our licence maintained and strengthened. A respectable voter turnout to elect those who decide how our licence is administered is an integral part to maintaining the value of that licence.

The profession (your profession) needs your help. There is no better promotion than word of mouth and PEO needs you to help communicate with those we can't reach.

### What can you do?

- (1) Read up on PEO issues: continuing education, specialized practices, enforcement, council elections, etc.
- (2) Strike up conversations with your engineering colleagues about PEO. When the all too common refrain of 'I just don't see how PEO matters' comes

up, let them know that it's PEO's job to maintain the integrity of the P.Eng. licence. That really matters.

- (3) When the election comes along in February 2017, ask people who they are supporting, not just if they are going to vote. Speak to them as if you assume they are going to vote.

Thank you for taking the time to read this message. Now I ask that you take the time to reach out to your colleagues. Let them know how important you believe the profession is and I'm sure that through your enthusiasm, they will share that belief.

Yours truly,  
*Arthur Sinclair, P.Eng.*  
Chair

## Councillors' Messages

**Message from: Noubar Takessian P.Eng., FEC**  
Elected East Central Regional Councillor

The East Toronto Chapter is one of PEO's most vibrant and I urge all members to become involved in its affairs. Chapters are created to help members get together to discuss issues related to our profession. There are lots of issues affecting engineers today—Repeal of the Industrial Exception and Continuing Professional Development, to name just a few—and we need to be aware of them.

Chapters also play a role in enhancing the image of the engineering profession and increasing the public's awareness. Engineering is an important profession yet many people do not know about its importance. People take for granted what we do. It is our duty to explain and educate.



It is good to volunteer and help. By volunteering and helping your Chapter, you will be helping your profession and, ultimately, yourself. Get involved in one of the subcommittees of your Chapter and make a difference.

I wish good luck to Arthur and his team of executives to continue the excellent work they do.

**Message from: Changiz Sadr P.Eng., FEC**  
Elected East Central Region Councillor

For the past three years as the East Central Region Councillor and RCC chair, I have worked to achieve many milestones for the PEO and its Chapters in this region. One of these achievements has been working towards greater transparency in allotment distribution, a point of concern for many chapters. In relation to this, the East Toronto Chapter, one of the most active chapters in this region, received over \$17,000 allotments for 2016, which is what they had requested.

Another accomplishment has been to include all chapters' volunteers in the PEO Volunteer Service Award, previously limited to only some specific activities such as GLP.

The East Toronto Chapter has a very dedicated executive team who is representing PEO and you, members of this area, well to the public and PEO head office. I wish your executives even more success and encourage you to help them realize even more activities and services.

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## **Aspiring Engineer Scholarship Notice and Application Form 2016**

The East Toronto Chapter is now accepting applications for the Aspiring Engineer Scholarship—a \$1000 scholarship awarded annually to recent high school graduates entering into an accredited engineering program at an Ontario university. Applicants must reside within the PEO East Toronto Chapter, bounded by Lake Ontario, Yonge Street, Highway 401 and Victoria Park Avenue. To apply, applicants must complete and submit an application form with all required supporting documents as detailed on the East

Toronto Chapter website to Ron Clarkin P.Eng at [rclarkin@sympatico.ca](mailto:rclarkin@sympatico.ca) by October 30, 2015.

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## **In Memoriam: Peter Jancic, P.Eng.**

Engineer Peter Jancic was a dedicated member of the East Toronto Chapter Board of Directors from 1998 until his too-early passing in August of this year.

Peter began his service with the East Toronto Chapter as a member of the Events Committee in 1998 and continued in that role through 2004. He was then elected to the position of Secretary (2005 – 2006) and later Vice-Chair (2007 – 2009) before returning to be a member of the Events Committee once again (2010 – 2016). Peter was also involved in New Member Licence Certificate Presentations and Chapter Annual General Meetings.

Peter enjoyed a long career with the City of Toronto, where he attained the position of Senior Project Engineer, Plant and Facility Construction. He drew on his extensive expertise to prepare many seminars for members including a memorable and pertinent talk on "Dismantling the Eastern Portion of the F.G. Gardiner Expressway". He also organized many technical tours including the R.C. Harris Filtration Plant, Ashbridges Bay Treatment Plant and the High-Level Pumping Station.

Peter was a highly respected and well-liked engineer in the industry and was known for his thoroughness, considerate demeanour, and his esteemed efforts on behalf of the Chapter.

Words fail to express our gratitude to Peter Jancic, P.Eng.

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## **Event: Girls for STEM**

Are you a girl in grade 4 to 8? Do you want to learn more about STEM (Science, Engineering, Technology & Math)?

Parents, would you like your daughter to consider pursuing STEM studies in high school and post-secondary education?

Join us for a fun and informative event sponsored by the East Toronto Chapter featuring a Mad Science demonstration, door prizes and opportunities to meet female professional engineers and university students. Girls and parents welcome.

**Date: Saturday, November 12, 2016**

**Time: 1:00 – 4:00 PM**

**Location:** S. Walter Stewart Public Library, 170 Memorial Park Ave., Toronto M4J 2K5

**Cost:** Free. Light refreshments. Space is limited (Parents welcome).

To register, please visit the Chapter webpage: <http://easttoronto.peo.on.ca>.

Questions? Please contact Ron Clarkin, P.Eng. at [rclarkin@sympatico.ca](mailto:rclarkin@sympatico.ca)

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## **Seminar: Hacking into Google**

Just how does one hack into a giant enterprise such as Google? Google had a security vulnerability consisting of potential access to 55,000 Google employee data sets in one of its main sites (Gmail). Alfred Inacio relays his experience of how he created an exploitation tool to identify the web service's vulnerability and deployed a distributed attack using 20 Amazon machines.

**Presenter: Alfred Inacio, P.Eng., M.B.A** is a professional in the software development industry. His line of work includes creating products and identifying opportunities that customize a product or service to optimize its value both for the business and customer. In particular he focuses on helping clients understand emerging technologies and the steps required to maximize their investment's value.

**Date: Tuesday, October 25, 2016**

**Time: 6:30PM – 9:00PM**

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## **Seminar: The Role of the Engineer Society**

What skills do engineers need to climb the corporate ladder and become engaging policy makers? This is an introduction into the



importance of a holistic approach to engineering management with the development of soft skills such as emotional intelligence, teambuilding, conflict management and critical thinking.

**Presenter: Professor Stephen C. Armstrong, P.Eng.** has over 25 years of experience leading C-level strategic change and business transformation initiatives. He is currently working as a professor at the Toronto Institute for Advanced Manufacturing (TIAM) with focus in the fields of the Management and Application of Innovation; Operations and Production Management; Organizational Design; and the History and Philosophy of Engineering.

**Date: Wednesday, November 2, 2016**  
**Time: 6:30PM – 9:00PM**

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## **Seminar: Professional Regulation & Project Governance**

This interactive session will provide insight into the complexities of large engineering projects and disruptive technologies as experienced by Marilyn Spink, P.Eng. through her 30+ year engineering career including the Nato Military Camp Infrastructure Design, Zinc Mining Plant in India, Diamond Mining Plant in the North West Territories and a Ni-Co Plant in Madagascar. This seminar assesses the critical roles of engineers and PEO in the implementation of "Project Governance" practices for successful project execution as it pertains to the "public interest" and the importance of adapting to remain a strong relevant self-regulated profession.

**Presenter: Marilyn Spink, P.Eng.** is the Lieutenant Governor-in-Council Appointee and an Executive Member on PEO council. She has been a member of the Ontario Society of Professional Engineers (OSPE) since its inception, and is a long-time member of several industry associations. She began her career in Northern Ontario's mining and pulp/paper industries, later working at Dofasco before moving to consulting engineering works on large, global complex minerals projects. She is now a mentor with Isherwood Geotechnical Engineers and continues to fulfil her passion for education through her volunteer commitments.

**Date: Monday November 7, 2016**  
**Time: 6:30PM – 9:00PM**

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## **Seminar: PEO's Continuing Professional Development (CPD) & Equity & Diversity Programs**

This is a two-part seminar focusing on recent developments at the PEO. The Continuing Professional Development (CPD) seminar is a high-level review of the PEO's proposed CPD program: how it was initiated, where it is now and its future.

The Equity & Diversity presentation will discuss what E & D is, the history of it at PEO and the policy and implementation plans of the E & D Committee.

**Presenter 1: Márta Ecsedi, P.Eng., FEC** graduated from Civil Engineering at the University of Toronto in 1976 and has over 35 years of telecommunications experience. She has received noteworthy recognitions including: the 3T5 Second Mile Engineer Award; the University's Arbor Award; the PEO Order of Honour at the Companion level; the Canadian Council of Engineers Support of Women Award; and recognized as a Fellow of Engineers Canada, and the Ontario Professional Engineers Award in the Citizenship category.

**Presenter 2: Changiz Sadr, P.Eng., FEC, C.E.T** is an Executive Member of PEO Council. He is a telecom engineer by education, and works as an ICT/CIE consultant. He has been the East Central Region Councillor for the past three years, previously holding several positions with the Willowdale/Thornhill Chapter for over 14 years. Currently, he is a member of Continuing Professional Competency Program (CP)2 Task Force. Changiz has been awarded four Ontario Volunteer Service Awards, made a fellow of Engineers Canada in 2010 and became a Member of PEO's Order of Honour in 2011.

**Date: Monday November 14, 2016**  
**Time: 6:30PM – 9:00PM**

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## **Seminar:**

### **Part One: Spinal Loads and Trunk Muscle Forces during Forward Flexion**

### **Part Two: Developing Image Analysis Algorithms for Pathology**

### **Part Three: Utilizing UAVs to Conduct Building Inspections**

What do back pain, pathology imaging and drones have in common? First principles of engineering. Learn about the importance of understanding physiological loads on the human spine in devising low back pain treatment options through the use of inverse dynamic analysis based on concepts of compressive and shear forces. Explore algorithm development for the purpose of pathology image analysis. Discover the utilization of UAVs (Unmanned Aerial Vehicles) or "Drones" in performing the inspection of inaccessible structures using thermal imaging while saving time and cost with no risk to life.

**Presenter 1: Rizwan Arshad, Ph.D** (candidate) is currently working as a Guest Scientist at the Julius Wolff Institute (JWI) of Biomechanics and Musculoskeletal Regeneration, Charité Hospital, Berlin, Germany. His research relates to spine biomechanics and utilization of a technique of inverse dynamic analysis to predict the spinal loads and trunk muscles forces during different physiological motions.

**Presenter 2: Tyna Hope, Ph.D., P.Eng.** is a research engineer and BIRL manager at the Sunnybrook Research Institute (CIMTEC) in medical imaging algorithm development and production with over 25 years of experience in the industry.

**Presenter 3: Jacob Ratz,** completed UAV Ground School training program at Aerobotika Academy and is the co-founder of Airborne Inspections Inc. With many years of sales and marketing experience in the real estate and mining industries, he has also served as a business development professional within the construction industry.



**Presenter 4: Jason Eaton**, completed the UAV Ground School training program at Aerobotika Academy and has become a lead trainer for the Eastern Division of Aerobotika Aerial Intelligence. He is currently PIC (Pilot in Command) for companies such as Industrial Skyworks, Airborne Inspections and Aerobotika, conducting several inspections-based operations. More so, he has worked to introduce UAVs to several different industries, including broadcast, film, music, videos or extreme sports.

**Date: Wednesday November 16, 2016**

**Time: 6:30PM – 9:00PM**

**Seminar:  
Part One: Intellectual Property  
Law – Patents**

**Part Two: Construction Law for  
Professional Engineers**

This is a two-part seminar focusing on the law affecting professional engineers, specifically around intellectual property and construction law.

**Presenter 1: David Tait** is a Litigation Partner in Toronto and focuses his practice on intellectual property disputes and related commercial issues. He is recognized as a leading lawyer in the area of biotechnology in the current edition of the Canadian Legal Lexpert Directory, and is recommended as a top patent litigator in the 4th edition of IAM Patent 1000 – The World’s Leading Patent Professionals. He is also a recipient of the Law Society of Upper Canada Prize and the Carswell Prize.

**Presenter 2: Jonathan Goode** is a partner at Torkin Manes. He practises exclusively in the area of construction law, employing alternative dispute resolution and advocacy at trial and appellate levels. Jonathan’s practice also includes all aspects of construction document drafting including General Contracts, Trade Contracts, Architectural and Engineering Services Contracts, Subcontracts, Supply and transportation contracts.

**Date: Tuesday November 22, 2016**

**Time: 6:30PM – 9:00PM**

**Seminar:  
Part One: How Engineers Can  
Better Communicate with a Non-  
Specialist Audience**

**Part Two: This Goes Where? The  
Discipline of Organization in  
Technical Documentation**

Join us for some insight into what engineers can do to better communicate highly technical information.

**Presenter 1: Bronwen Parsons**, Editor, *Canadian Consulting Engineer Magazine*

**Presenter 2: Rob Cundari**, Technical Communications Consultant, has been a professional technical writer and editor for nearly 10 years and an independent technical communication consultant for over six of those years. He has also been a professor in the Seneca College for Arts and Technology Technical Communications Graduate Program since 2013.

**Date: Tuesday January 10, 2017**

**Time: 6:30PM – 9:00PM**

**Seminar Location and  
Registration Information**

All seminars take place at S. Walter Stewart Public Library and are free with a limit of 80 guests, unless otherwise noted. Please find detailed information below.

**To register visit the Chapter webpage:  
<http://easttoronto.peo.on.ca>. Questions?  
Please email [easttoronto@peo.on.ca](mailto:easttoronto@peo.on.ca).**

**Address:** S. Walter Stewart Public Library,  
170 Memorial Park Ave., Toronto M4J 2K5

**Via TTC:** From Coxwell Station on Bloor-Danforth Subway, take the East – 70 O’Connor bus toward Warden Station going northbound on Coxwell Ave. Drop off at Barker Ave. Then walk 30 metres north and turn left (West) into Memorial Park and walk 2 blocks to reach the library.

**Via Automobile:** Limited parking on north side of the library, and on side streets.

**2016 Chapter Board**

**Officers**

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