

## NOTICE OF AGM 2011

When - January 21 (Saturday) 2012.

Venue and time will be announced via our website and eblast

All officers and executives will be elected at the Annual General Meeting. According with the chapter By-Laws, Section 8, the chapter board consists of:

- four elected officers – Chair, Vice Chair, Treasurer and Secretary. Chair is a two-year term and present chair continues for one more year.
- the immediate Past Chair—not elected
- four elected executives.

If you are interested in serving on the chapter board please contact Search Committee Chair - Raju Chander, M.S., P.Eng., before January 10, 2011. Nomination forms are available on the website – see under AGM 2011. Please consult Chapter bylaws for eligibility criteria.

For details please visit our website  
[www.scarborough.peo.on.ca](http://www.scarborough.peo.on.ca)

## Announcement – PEO Elections

PEO Council elections are coming up in Feb/March 2012. Please use your voting rights to uphold democratic process and elect your new council.

For more information and to get to know the candidates more please visit [www.peo.on.ca](http://www.peo.on.ca) – 2012 council elections.

### President (1 year term)

- Annette Bergeron, P.Eng., MBA
- Maj (ret'd) Corneliu Chisu, CE, M.Eng., CET, P.Eng.
- Allen Jones, P.Eng.
- Bob Loree, B.Eng., B.Ed., P.Eng.
- Dr. Patrick J. Quinn, P.Eng., C.Eng., FCAE, FEC

### Vice President (1 year term)

- Vinod Chugh, P.Eng.
- George Comrie, P.Eng., CMC

### Councillor at large (2 year term)

- Bob Dony, Ph.D., P.Eng., FEC, FIET
- Roger Jones, P.Eng., B.Sc(Eng), DIC, M.Phil, MBA, SMIEEE
- Michael Monette, MBA, EDP, P.Eng.

### East Central Regional Councillor (2 year term)

- Denis Carlos, MBA, FEC, P.Eng.
- Nick Colucci, P.Eng., B.A.Sc, MBA, FEC



I wish to thank the Board of Executives, the councilors, volunteers and members of Scarborough Chapter for the support extended to achieve a great year of operation.

At our monthly BOE meetings attendance were good at an average of 18 members including members at large participating. Our events like Popsicle Stick Bridge Building Contest, Mathletics are led by different leaders, thus exposing more of our volunteers to Project Management.

Mathletics event has become quite popular and the chapter had extended assistance to other chapters and community organizations to conduct this event to school children. The chapter would be happy to extend the support to more PEO chapters and community organizations in expanding this popular event.

The chapter had maintained and expanded a strong collaboration with the community, schools and politicians. It has attracted more schools to participate in our events, participated in many political events of different political groups during the recent provincial elections and has had newer MPPs at our events.

In the coming year, our intention is to increase our presence among the community, politicians so that engineering profession will be appreciated more.

*N. Asogan, P.Eng.  
Chair – Scarborough Chapter - PEO*

## Know your Board of Executives 2011

Chair – Narayanapillai Asogan, P.Eng  
Vice Chair – Rane Mahalingam, M.Eng., P.Eng.  
Past Chair – Raju Chander, MS., P.Eng.  
Secretary – Uhayan Thurairajah, M.Sc., P.Eng.  
Treasurer – Murad Hussain, P.Eng.  
Executives.

Pompilian Tofilesco, EIT (Newsletter editor, Education Coordinator)  
Parvez Akhtar, EIT (Events Coordinator)  
Alireza Shamshiri, EIT (GLP member)  
Jega Jeganathan, P.Eng., Assistant Secretary

### How to contact the board:

Email – [scarborough@peo.on.ca](mailto:scarborough@peo.on.ca).

The mail may be directed to a particular Board member or the Board in general.

## Government Liaison Program (GLP) – Summary of activities.

The Chapter participated in number of political events during the recent Provincial Elections May 15, 2011 - Scarborough Centre Provincial Liberal Association (SCPLA) held a function congratulating Hon. Brad Duguid on his nomination for Scarborough Centre Provincial elections scheduled for October 2011. The Chapter was represented by N. Asogan, P.Eng. (Chair), Rane Mahalingam, M.Eng., P.Eng. (Vice Chair), N. Madusuthanan, P.Eng. and Maha Mahalingam (Volunteers)



August 7<sup>th</sup>, campaign opening for **Bas Balkissoon**, MPP for Scarborough Rouge-River – Urszula Adach, M.Eng., represented the chapter.

On August 20<sup>th</sup> the PEO Scarborough Chapter GLP members Narayanapillai Asogan, P.Eng., Urszula Adach, M.Eng., P.Eng, and Alireza Shamshiri, EIT participated in the campaign opening for Margaret Best, MPP for Scarborough Guildwood .



22<sup>nd</sup> Aug, 2011 – Chapter chair N. Asogan, P.Eng., attended Breakfast event with Dr. Liang Cheng –

PC candidate for Scarborough Agincourt and Tim Hudak – Ont PC leader.



On August 28<sup>th</sup> the kick-off campaign for **Brad Duguid**, MPP, Scarborough Central, took place. The picnic/BBQ/campaign was attended by chapter GLP member Urszula Adach, M.Eng., P.Eng.

Campaign office opening for Soo Wong – new candidate for Scarborough Agincourt took place on 29 Aug. Chapter Chair N. Asogan, P.Eng. represented the chapter.

On Nov 20, the Scarborough Agincourt Provincial Liberal Association (SAPLA) held a Volunteer Appreciation event. On the invitation of SAPLA, PEO Scarborough Chapter Chair Narayana Asogan, P.Eng. participated in the event.

*Report by: Urszula Adach, M.Eng., P.Eng. – GLP member.*

## Mathletics 2011

PEO Scarborough Chapter had successfully organized the annual Mathletics competition which was held at Scarborough Civic Centre on November 12. This year 74 junior students and 54 senior students registered for the competition and about 80% of the students participated in each category.

There were three guest speakers came to the event to provide meaningful thoughts to the students which contributed to the occasion success. This event is not possible to be successful without the contribution of time, effort and dedication of PEO Scarborough Chapter members and volunteers. Finally, congratulations and thanks to students, parents, teachers, volunteers and guests who made Mathletics 2011 very successful.



Hon Soo Wong, MPP with Prize winners

**Thanks to our Guest Speakers:**

- Hon. Corneliu Chisu, MP, Pickering – Scarborough East
- Hon. Soo Wong, MPP, Scarborough-Agincourt
- Mr. Ken Campbell P. Eng., Vice President, R.V Anderson Associates Ltd.

*Jega Jeganathan, P. Eng*  
*“Mathletics 2011” Project Manager*

**Assistance with Mathletics to Other Chapters and organizations.**

The chapter extended assistance in conducting Mathletics to Panorama India – A community organization of people of Indian origin in Brampton. It was held on 2<sup>nd</sup> Oct 2011. 30 children competed in Junior and 23 in Senior categories.

Brampton Chapter conducted their First Mathletics competition with Scarborough Chapter assistance on Dec 3<sup>rd</sup>.

**Presentation of Licence Certificates to new Professional Engineers**

The chapter conducts presentation of licence certificates to newly licensed engineers in Spring and Fall annually.

In May 2011 (Spring), 39 New engineers received their licence and in Nov 2011 (Fall) 25 New engineers received their license.

Details in [http://www.scarborough.peo.on.ca/events/2011/may31-cpc\\_spring2011/](http://www.scarborough.peo.on.ca/events/2011/may31-cpc_spring2011/)

[http://www.scarborough.peo.on.ca/events/2011/nov29-cpc\\_fall2011/](http://www.scarborough.peo.on.ca/events/2011/nov29-cpc_fall2011/)



Certificate recipients at Fall CPC

**Time of Use savings**

*N. Madusuthanan, P.Eng.*

Time of Use (TOU) was introduced in January 2010 to our house. My wife was excited: if we try to use electricity at a time of the lowest rate, we can save more than ½ the electricity bill. That would be a whopping \$ 1,500 (½ of \$3,000 per year). Wow! Yes, we have no natural gas in our house. Cooking, furnace heating, water heating is all electricity. I habitually have a shower in the mornings at 8 am. Now she wanted me to have shower at 5:30 am. “Why 5:30 am? Why not 6:45 am?” I ask, “The higher rate comes only at 7 am, and I need only 5 minutes for a shower”. “No, No, it will take about an hour to heat the water that fills the tank after you shower.”She says. Makes sense. She has common sense, or as the cowboys says horse sense. So thanks to the TOU, I wake up 2 hours earlier than normal and take my shower. “Don’t make the water too warm” she warns to save more power. She was fuzzy about when to switch on the furnace: (at the lowest rate). So we wore mittens, sweaters and thick socks in the house. We had dinner at 11 pm, as cooking starts only after 10 pm when the lowest rate commenced. So I (& she) had less than 5 hours sleep, much less than the recommended 8 hours. Now, I am an engineer, and I know math very well. So I scrutinized my electricity bills, to see more ways of saving the \$\$\$, and to sleep at least 2 more hours. I see that lowest rate is 4.4 ¢/KWH, mid rate 6.0 ¢/KWH, and the high rate 9.3 ¢/KWH. She is right. We can save more than ½ the bill! Wow again! Then I find there is a Loss factor adjustment of 1.0376, Delivery, Regulatory, and Debt Retirement charges (whose debt? Whose retirement? I can’t afford to retire even after I die!). The next page explains it partially. It turns out that with those charges & GST (now HST) we were saving significantly less than the highly touted 50%. When I enlightened my wife, we went back to cooking at 6:30 pm, and I bathing at 8 am and keeping ourselves less cold. No ordinary mortal can understand the mysteries of an electricity bill.

It is worse than understanding a Tax return form. Of course the rates creep up every now and then, reducing the advantage of the high rate to low rate.

Toronto Hydro issued free clotheslines and power bars which will switch on after 10 pm to save electricity by charging our cell phones etc when rates are lowest. I managed to get the clothesline, but they ran out of power bars just before I reached out my hand. My wife was furious about the clothes line. We had bought an expensive washing machine and dryer and proud of its great performance. Then came cold water detergent. But the literature says to kill germs (and maybe bedbugs) you should use hot or at least warm water. Now whom to believe? She presented the clothesline to her friend (or foe?) and we went back to our old style. Again my math showed that the 40 minutes of warm water washing and 45 minutes of dryer use once a week did not make a dent in the bill.

I have got a small gadget (I am a gadget man) for measuring the power, current etc. used at any outlet. It is an UPM Electronic Energy Meter EM100. I found the power consumption of the 6 items of electronic gadgets that require charging to be about 3 to 5 W per item, and they charge in 2 to 5 hours after which the consumption is almost 0. Savings by using this gadget is negligible. Now you have to pay \$ 25 for this item, which saves nothing. There are many items which takes some standby power. Like the Setup box for TV. I wouldn't unplug this: it takes 3 to 5 minutes to get the TV up and going. Also it is noteworthy that by 2010 regulations were in place in most developed countries restricting standby power of devices sold to one watt (and half that from 2013).

My wife likes to have the TV in the bedroom on when sleeping. I don't like it. If I switch it off when she is sound asleep she immediately wakes up! She has some sixth sense, apart from the horse sense. So I sleep in the guest room. No, No, we are not making a case for divorce after 40 year of married life: Just a convenience to keep arguments down. I tried to explain about the great power savings we will get. She asked how much do we spend for having the TV on while she is sleeping. I do a quick calculation: Energy used:  $100W \times 8 \text{ hrs} \times 30/1000 = 24 \text{ KWH}$  per month. At 7 ¢ (low rate at night) + 5 ¢ (for distribution, debt retirement etc. etc.) it cost 12 ¢ at lowest rate. Works out to \$ 2.88 per month. To make it impressive, I said we will save \$ 345.60 in 10 years! That's when the argument started. Why don't you give up a coffee a day and save \$4,000 in \$10 years as the insurance agent convinces you to buy insurance. Why don't you give up your photography, books, cinema and other exorbitant expenses so that we can become millionaires in 100 years? We need at least \$ 3,000/= a month to pay mortgage, world's highest

car insurance and what-not merely to survive. What is this \$ 2.88 per month you are trying to save? Damn her common sense. I shut up and go to the guest room to keep the peace. I started reading my book "*Don't Sweat The Small Stuff And Its All Small Stuff*", by Richard Carlson.

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### ➤ Aspiring Engineering Scholarship 2010

On Nov 29, during a special ceremony included in in the Fall CPC, Chapter "Aspiring Engineering Scholarship" was awarded. 2 new entrants to University opting to do Engineering received scholarships of \$ 500 each from PEO and 6 others received scholarships of \$ 150 each from Scarborough Chapter.



University Entrant Scholarship recipients

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### ➤ Mentorship

Scarborough Chapter continues to participate in Mentorship Program of PEO whereby EIT's are guided towards their goal of obtaining P.Eng licence on a one to one basis by another P.Eng. mentoring.

On 13<sup>th</sup> Dec 2011, an orientation program was held where about 20 pairs of mentor/mentee participated.

