



Wishing Everyone a Safe and Enjoyable Summer

INSIDE THIS ISSUE

A Message from the Chair & Vice-Chair

Upcoming Events

- PEO/OACETT Golf Classic
- Professional Practice Exam

Chapter Activity Report

- Winter Family Skate Social
- National Engineering Month 2019
- Annual General Meeting
- Rotary Science Fair
- VEX Robotics Update
- PEO/Sault College Bridge Building Competition
- Spring Social – Big Pro Hockey Tournament
- Evening with Catherine Taddo
- Maker North Tour
- Algoma Autism Foundation Bridge Activity
- Engineer-In-Residence Program
- PEO Scholarships

Call for Volunteers

Visit Our Website at: www.algoma.on.ca

A Message from the Chair & Vice-Chair

Hello everyone, we hope the summer has been treating everyone well. We have had a busy first half of the year with Chapter activities and we would like to thank everyone who has come out to participate in these events. The Chapter is currently on our own little “summer vacation” and plan to resume in September

with our annual PEO/OACETT Golf Classic on September 6th 2019.

In addition, we will look to host a fall social event in October. If anyone has any ideas, please feel free to contact us!

We look forward to seeing everyone soon,

Matt & Marc

Upcoming Events

PEO/OACETT Golf

The 2019 PEO/OACETT Golf Classic will be held on Friday September 6, 2019. Stay tuned for player and sponsorship information. We will continue supporting our youth in both VEX Robotics and National Engineering Week.

Professional Practice Exam

PEO Professional Practice Exam date:

Saturday, August 10th, 2019

To write the exam applicants must register with PEO at http://peo.on.ca/index.php/ci_id/2060/la_id/31.htm.

This site provides exam location details as well as the exam syllabus, preparation resources, general information regarding the exam process, and contacts for questions and/or further information.

Chapter Activity Report

Winter Family Skate Social

On Saturday February 23rd the Chapter hosted a winter social event which consisted of a family skate at the GFL Memorial Gardens. Approximately 20 people turned out for a great afternoon of skating, followed by refreshments after the skate.



National Engineering Month 2019

On March 23rd, Volunteers from the Algoma Chapters of PEO and OACETT hosted the annual National Engineering Day activities at the Station Mall in Sault Ste. Marie, Ontario, as part of the larger National Engineering Month Activities. This included the annual Math competition, where over 30 participants from local schools in Grades 6 through 12 competed for funding to pursue a STEM education. There were also Engineering based arts and crafts for children of all ages, and displays from local engineering consultants and businesses. Additional presenters at this year's event included several of the VEX robotics teams from the local schools, representatives of Lake Superior State University, Algoma University, Sault College, and display tables from Algoma Steel, Total Precision and Maker North.



Sault College displays information pertaining to their Electrical and Mechanical Engineering programs



Winners of the Math Contest for the Grade 5/6 Category



The Notre-Dame-du-Sault VEX Robotics team



Lake Superior State University displays information pertaining to their Engineering & Technology program

The 2019/2020 Executive Committee was adopted as follows:

- Matt Kirby, P.Eng - Chair
- Marc Pilon, P.Eng – Vice Chair
- Sarah Ackert-Ferguson, P.Eng – Past Chair
- Robert Bressan, P.Eng, FEC – Treasurer
- Robert Vairo, P.Eng – Secretary
- Alvin Olar, P.Eng, - Member at Large
- Bhuwani Paudel, P.Eng – Member at Large
- Anjum Amin, P.Eng – Member at Large
- Jordan Williams, P.Eng – Member at Large
- Michael Paciocco, EIT – Member at Large
- Spencer Milne, EIT – Member at Large



Maker North show casing some 3D prints

The AGM featured guest speakers Ramesh Subramanian, P.Eng, PHD (PEO Northern Regional Councillor) and Tibor Turi (Ontario Society of Professional Engineers).



Northern Regional Councillor Ramesh Subramanian, P.Eng, PHD Presents.

Annual General Meeting

The PEO Algoma Chapter Annual General Meeting (AGM) was held on Thursday March 28th at the Delta Waterfront Hotel and Conference Centre. Chapter Members met to conduct annual business and adopt the 2019/2020 Executive Committee.

Rotary Science Fair

The 32nd Annual Rotary Science Fair was held at Algoma University on April 4th to 6th. For several years, PEO's



Algoma Chapter has assisted in planning and running the Rotary Science Fair including providing judges from our membership, running judge recruitment, and providing input to the planning committee. This year, PEO Algoma Chapter executive member Sarah Ackert Ferguson passed along the Judge-in-Chief baton opting to participate as a team judge along with fellow chapter members as well as local scientists and technical professionals.

As in past years, the Algoma Chapter provided two \$125 awards for projects that show innovative development, adaptation, or use of technology in any subject area. This year prizes were awarded to Kaydee Brown a student at Superior Heights for her project entitled “Can you find me?” and to Abigail Henry of Korah Collegiate for her project “Cereal Killer”.

If you are interested in participating as a Science Fair Judge next year please contact, Sarah Ackert Ferguson at: algoma@peo.on.ca

VEX Robotics Update

Once again this year, three (3) teams from the Algoma Region made it to the VEX World Championships in Louisville Kentucky.

Congratulations to Notre Dame, iSMAC, and Lone Wolf Robotics on your efforts at the world championships, and to all VEX Teams who participated in this program in 2018/2019.

PEO/Sault College Bridge Building Competition

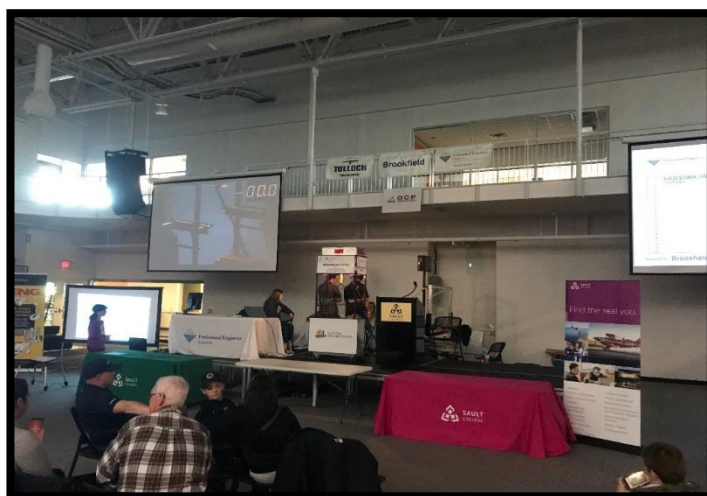
The annual 2019 PEO/Sault College Bridge Competition was held on Saturday May 11, 2019 in the Health and Wellness Gymnasium at Sault College.

Once again, the Competition has received positive feedback from students, parents, teachers, and members

of the media. Although the total number of entries remained constant from last year, we distributed our highest number of bridge building kits to interested schools. Furthermore, our team of Engineers increased our number of school visits to nineteen (19) to promote this competition, and there was a clear increase in the number of schools entering, as well as participation from new schools and teachers. We expect this trend to continue and result in another successful year in 2020.

Our 2019 competition also saw our best media coverage in recent years. Soo Today, the Sault Star, and Soo Online (ONNTV) all attended our event and provided coverage across various media platforms.

Results for the 2019 Competition can be found here: <https://www.saultcollege.ca/bridgebuilding/>



The Bridge Building Competition moved to the Sault College Gymnasium this year to accommodate the growth of the event.

Check out some articles of the competition here:

<https://saultonline.com/2019/05/bridge-building-competition-gets-kids-involved-in-stem/>

<https://www.sootoday.com/local-news/bridges-under-pressure-8-photos-1440889>



<https://www.saultstar.com/news/local-news/spacek-wants-to-build-a-better-bridge>

Spring Social – Big Pro Hockey Tournament

Our P.Eng.wins provided a respectable showing at this year's Big Pro Tourney played at the John Rhodes the week of May 6th. With a win against the lawyers, a tie against the doctors, and a loss against the accountants, the P.Eng.wins proceeded to the final round and lost against the high school teachers to place a respectable sixth. No injuries were reported and a fun time was had by all. PEO held a complimentary pizza/wing social following one of the games for the PEO players and its fans. A big thanks goes out to the P.Eng.win players including the player/coach/organizer Shane Maurice for organizing our team as well as the tourney, which raised \$1,000 towards ARCH and Women in Crisis. If you're interested in playing next year, feel free to reach out to Shane at Algoma University.

Evening with Catherine Taddo

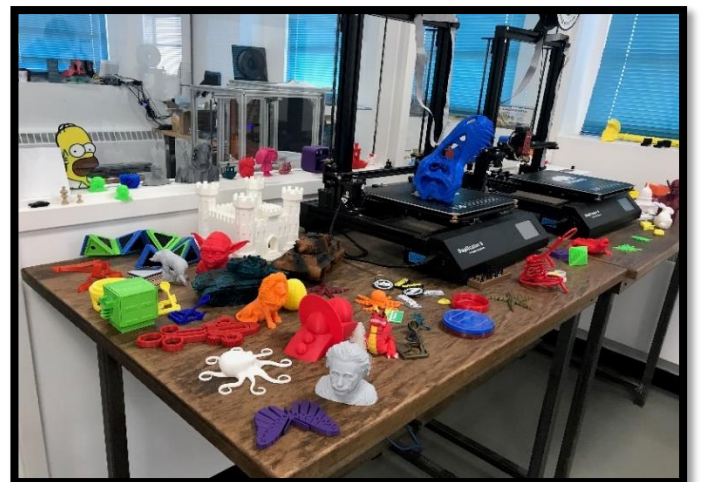
On Saturday May 18th, the PEO Algoma Chapter hosted a Blues and BBQ spring social at Room 21 above the Low and Slow. The event was a show of PEO support and a springboard for our very own Catherine Taddo's (civil engineer) who is touring Germany in July playing her songs with Jay Case on guitar and Marshall Jaaskelainen on bass. Check out her website at www.catherinetaddo.com and make a point of watching her live or buying one of her albums Under Your Hood and/or This Way. Catherine sets a great example that engineers are capable of doing much more than building things. The PEO Algoma Chapter is very proud of Catherine and wishes her continued success on her musical endeavors.



Catherine Taddo performing at Room 21

Maker North Tour

On Thursday, June 6th, several local PEO Members attended a tour of the Maker North 3D Printing facility on Church Street in Sault Ste. Marie. Maker North Inc. Founder/Director Joseph Bertrand hosted the tour and made a brief presentation on the potential of 3D printing for prototype development for entrepreneurs



3D prints are displayed next to the 3D printers.



Algoma Autism Foundation Bridge Activity

After the success of the Bridge Building Competition, the Algoma Autism Foundation contacted PEO to organize a special competition for their members. PEO facilitated a three (3) week program assisting the kids in building bridges and hosting a “mini competition” upon completion. There was no cost to the Autism Foundation to run this event thanks to the sponsors of the bridge building competition and the remaining kits/supplies available.



PEO and High School Volunteers with Kids from the Algoma Autism Foundation

Engineer-In-Residence Program

The PEO Algoma Chapter’s second annual Engineer-in-Residence (EIR) Program wrapped up in June 2019. This program was facilitated for the 2018/2019 school year by Marc Pilon, P.Eng with the Grade 4 class at Pinewood Public School and teacher Jackie Barrett.

This program consists on monthly in-class lessons relating the Ontario curriculum with relevant, hands-on lessons in engineering. Some lessons completed during this years’ program consisted of:



Rob Harten, P.Eng leads Pinewood’s Grade 4 Students on a tour of PUC and the SCADA Room accompanied by Marc Pilon, P.Eng, Greg Barrett and Jo-Anne Fischer.

- Mixing Concrete;
- Survey/Data Collection;
- Field Trip to the PUC;
- Field Trip to the Fish Culture System;
- Building Windmills;
- Bridge Building; and,
- Building Water Filters.

We are currently on track to have three (3) EIR programs running for the 2019/2020 school year. If you are interested in volunteering in this initiative, contact Marc Pilon, P.Eng at algoma@peo.on.ca.



PEO Scholarships

The PEO Algoma Chapter awarded five (5) scholarships for high school students entering studies in engineering. Recipients of the 2019 Scholarships are:

- Caleb Patterson
- Dale Armstrong
- Jordan Barone
- Travis Stephney
- Spencer Clayton

Scholarship winners and their parents were invited to participate in a scholarship reception held Wednesday July 10th at Quattro Hotel and Conference Centre.



From Left to Right, Matt Kirby, P.Eng, Jordan Barone, Spencer Clayton, Caleb Patterson, Marc Pilon, P.Eng

Call for Volunteers

We are always on the lookout for members (EITs and retired engineers included) to help with chapter activities or participate as part of the Executive Board. If you have an idea for an event and would like to help organize it or if you are looking for a volunteer opportunity, please contact the Chapter Chair at algoma@peo.on.ca.

If you're not sure how you would like to help out, but are interested in how the Chapter operates, you may want to attend one of our monthly Executive planning meetings. Contact the Chair for details.