

Hello everyone!

YPAC is pleased to present you with our newsletter, the aim of which (along with our website and social media) is to keep our members informed of our past and upcoming events and any other organizational developments. If you have any feedback on YPAC operations or would like to get involved please send us an email at info@ypacanada.com.

February - May Event Recap

This year kicked off with the **YPAC AGM** on February 12th with guest speaker Mark Podlasly, Sr. Advisor to BC First Nations Energy and Mining Council and a graduate of Harvard University. He talked about BC First Nations' social, legal and political contexts with regards to pipeline developments.



The Kinear Centre for Creativity & Innovation at the Banff Centre hosted the 2015 Banff Pipeline Workshop.



Ryan Louie talking about the opportunities that exist in the pipeline industry.

The year continued with our annual **Ski Trip**. It took place in Revelstoke this year, where we partnered with Young Professionals in Energy for the Saturday social event. If you missed out this time around make sure to stay tuned for 2016 trip which will be announced in December.

We also presented at the University of Calgary **Petroleum & Energy Society Spring Mixer Evening** and **1st and 2nd year Engineering dinner**. John Salazar, Peter Tanchak, Ryan Louie and Kacie Crooks talked about their experiences in the pipeline industry and answered students' questions.

2015 Banff Pipeline Workshop was a great success! Our volunteers helped organize the amazing race, registration and various workshops. Special thanks to Kacie Crooks for leading the effort. We hope you all had a great time and learned a lot.

One of our most exciting events was the **LNG Canada** event, a collaboration with Young Women in Energy (YWE) that took place on April 22nd. Joost van Tillburg, Operations Director for LNG Canada, shared his perspective on the challenges, opportunities and the future plans for LNG Canada Project, a Shell-PetroChina-Kogas-Mitsubishi Joint Venture.



Peter Coombes Photography
 Pictured here: Rustem Biktashev, Pipeline Engineer Shell; Anna Murray, Founder of YWE; Joost van Tillburg, Operations Director LNG Canada; Alina Gabdrakhmanova, President of YPAC.



Peter Coombes Photography
 Joost van Tillburg presenting about LNG Canada project to an auditorium of 200 attendees.

Tran Mah-Paulson, Ryan Louie and Korosh Najjar attended the **CEPA Foundation Conference in Quebec, City**. Tran is part of the Employee Attraction committee and Korosh is part of the Mentorship Program committee. These individuals are working to bridge young pipeliners with experienced professionals as part of YPAC's partnership with the CEPA Foundation on a number of initiatives.



Peter Coombes Photography
 Pictured here: Sean Sanders (left - Speaker), Tran Mah-Paulson (Mid – Edmonton Chapter Chair), Sayeed Rushd (Right – University Liaison).

The Edmonton speaker series at the University of Alberta on Thursday, April 23rd with guest speaker Sean Sanders on "**Slurry Pipeline Design and Operation: Where Ignorance and Bliss are often Divergent**" was a wonderful success. Sean Sanders presentation focused on slurry pipelines and the challenges associated with design and operation. Through many descriptive formulas and graphs, Sean brought a level of detail that really brought to light the importance of proper slurry pipeline design.

Our president, Alina Gabdrakhmanova, attended the **20th Joint Technical Meeting on Pipeline Research** that took place the first week of May in Paris and learned about the latest developments in the industry as well as met up with the representatives of Young Pipeliners Forum (YPP) Australia and Young Pipeline Professionals (YPP) USA. As a result of the meeting, it was decided to start the **Young Pipeliners International** as a platform for collaboration between the three countries. YPAC would like to thank Pipeline Research Council International (PRCI) particularly Cliff Johnson and Chris Yoxall for making this trip happen.



Alina Gabdrakhmanova with the chair of YPP USA Tara Podnar McMahan and representatives of Young Pipeliners Forum Australia.

On Friday, May 8, 2015, YPAC organized a full day site tour of two key manufacturing facilities in Camrose, AB — **EVRAZ** North America, one of the most diversified steel manufacturers in North America, and **Bayou Perma Pipe Canada**, a provider of high-quality, cost-effective coatings for pipelines. At each of the facilities, participants witnessed the process of transforming steel into line pipe right through to coating application in this up-close and personal tour.

Upcoming Events

YPAC Pipeline Conference 2015

YPAC is hosting a one full day conference, the YPAC Pipeline Conference 2015, at the Royal Glenora Club in Edmonton, AB on August 28th, 2015. This conference is open to anyone in industry (experienced and young) as well as academia (experienced and young) from all over Canada. The conference encourages the sharing of valuable pipeline knowledge between academia and industry. This conference permits young academia and industry pipeliners to connect with each other as well as gaining insight and contacts with experienced pipeliners.

YPAC can still accommodate abstracts from academia and industry. Academia presentation abstracts are requested for your research in a pipeline related field. Industry presentation abstracts are requested for your work and experience in the pipeline industry. YPAC is open to various types and levels of knowledge within the presentations and request you submit your abstracts here (you will need to create an account with Easy Chair): <https://easychair.org/conferences/?conf=ypacc2015>.

Please visit <https://www.eventbrite.ca/e/ypac-pipeline-conference-2015-tickets-17060125294> to register and for hotel recommendation.

Furthermore, if you think your company could sponsor the breakfast, lunch, dinner or coffee breaks for this conference, please email info@ypacanada.com.

Calgary

Our next industry event will take place next week with the YPAC members invited to attend the grand opening of the ROSEN's Intelligent Plastics Facility on May 26th. This first of its kind facility, will be capable of producing coated pipe from 16-48" in diameter, and up to 60 ft. long.

The next Calgary speaker series event will take place in June and focus on legal and financial implications of mega projects. More information will be provided once the time and location of the event is confirmed.

Since the sun is back (and hopefully to stay), it's time to start thinking about the annual YPAC golf tournament! Save the date for one of YPAC's most anticipated events: Monday September 14th, 2015.

Edmonton

Edmonton's next event, "Horizontal Directional Drilling in Pipeline Applications" will take place at the University of Alberta Faculty Club on June 15th. This event will explore trenchless technology where work areas are confined to the entry and exit points of the borehole, resulting in close to zero disruption at surface along the bore path. We look forward to seeing you at this event.

Member Spotlight

YPAC is looking to showcase people in our member spotlight every month. If you are interested in sharing your experiences in the pipeline industry please let us know at info@ypacanada.com.

Jeremy will be starting a YPAC Vancouver chapter so we thought we'd take the time and learn a little more about him. This was originally posted on the About Pipelines Blog and you can check it out here: <http://www.cepa.com/young-people-of-pipelines-the-west-coast-perspective>. Thank you Jeremy for sharing your experiences!

What does a geotechnical engineer do?

Geotechnical engineering is a combination of geology and civil engineering that uses the principles of earth processes and soil and rock mechanics to help understand how a structure – road, bridge, building, pipeline – will interact with the ground.

This discipline contributes to all stages of the pipeline lifecycle, from pipeline routing and feasibility assessments, to geotechnical pipeline design in the trench, to pipeline operations.

I spend upwards of 20 per cent of my time working in the field throughout the year. Field work is an essential component of our work because that is where the pipelines and ground conditions meet!



Q: Why did you decide to work in the pipeline industry?

For two and a half years, I worked on a (graduate) research project to study the effects of slow-moving landslides on buried natural gas distribution pipelines.* The research was both challenging and rewarding on a personal and professional level, and the knowledge I gained was applicable to real industry problems. Naturally, I transitioned from researching to working on pipeline projects in the geotechnical engineer industry.

Q: How does your job help improve pipeline safety?

BGC's culture enables me to continue to contribute to the research project that I worked on throughout my post-graduate studies at UBC; the findings from that research are intended to help develop guidelines and criteria to determine the amount of ground displacement associated with the safe operational limits of buried gas distribution pipelines.

I'm also able to contribute to BGC's geohazard management program to help pipeline operators minimize the likelihood of pipeline failure from ground movements and river erosion by identifying and managing geological hazards before they occur. CEPA recently posted a story about this program on its blog.

Q: What’s the biggest misconception people have about pipelines that you would like to correct?

It’s maybe not well understood that new proposed projects aren’t the first of their kind; rather, they are additions to an already existing network of pipelines in Canada that, as a whole, has an excellent track record of pipeline operation and maintenance practices that have been developed over 60 years of practice.

One of the major advantages that these new projects have over existing, older pipelines is they are designed and constructed with state-of-the-art practices and engineering design, making them even safer to operate and reducing their overall impacts and risks to the public and the environment.

Q: What role do you see pipelines playing in the future of this country?

Pipelines will continue to play a big role in our country and all over the world. Pipelines, whether for transporting petroleum, fresh water or waste water, are essential to our lives in Canada. As the industry continues to evolve, the principles used for design and construction will help make pipelines even more safe and reliable.

Q: What do you enjoy doing when you are not at work?

Whether it’s car camping along the coast, split boarding in the backcountry or just hanging out with friends on the beach in the city, I like to keep active in my spare time.

Q: What do you hope to achieve with your career?

Geotechnical engineering is a profession focused on the building and enhancement of the necessary infrastructure to support our society, and I hope to contribute to projects in the pipeline industry that provide significant value and ongoing beneficial impacts.

Sponsors

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