

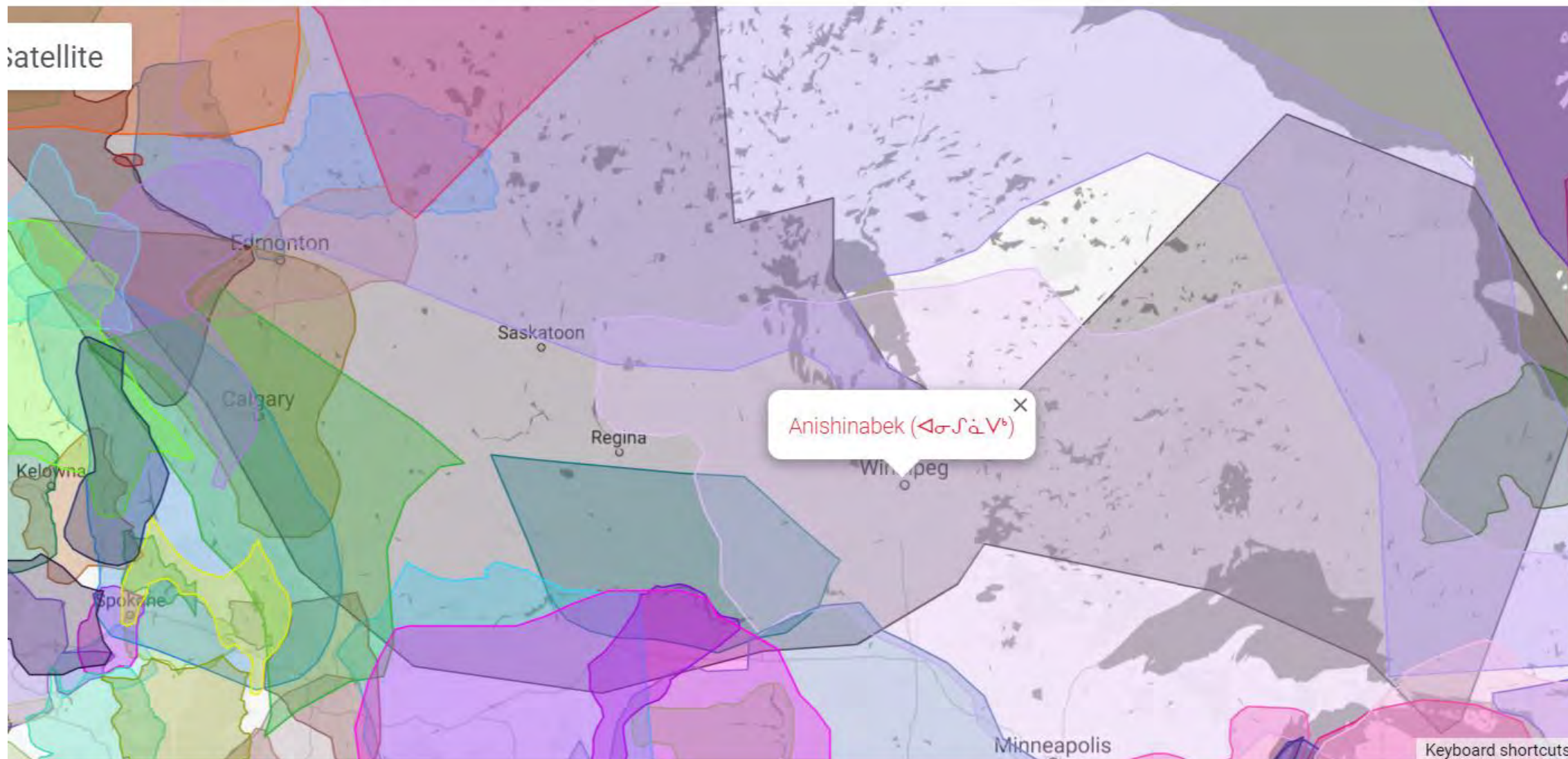
2021/22 Women in Engineering & Geoscience Mentorship Program

Kick-off Event
October 13, 2021

How to Change your Screen Name

- Open the ***Participants*** panel
- Hover over your name and click on ***More***
- Click ***Rename***
- Type your **team number** first and then your full first and last name
- Eg. 14 Barb Dwyre

Territories by Land



Search Communities and Treaties

Explore Turtle Island

Mentorship Program Coordinators

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Agenda

- Housekeeping
- Remembering Ruth Eden
- Meet your team!
- Ice-breaker on Jam Board
- Mentorship Agreement
- Upcoming events and Closing Remarks
- Open Networking (8:00-8:30pm)

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Remembering Ruth Eden

In 1988, Ruth was one of five women to graduate from the Civil Engineering program at the University of Manitoba. Ruth was the first woman to work for the Manitoba Highways and Transportation in the Bridges and Structures Branch. For the next 30 years, Ruth was involved in the design and construction of many of the bridges and structures located throughout the province that Manitobans cross each day.

At the time of her death, Ruth was the Assistant Deputy Minister of Technical Services and Operations Division for Manitoba Infrastructure. Continuous growth and professional development was very important to Ruth throughout her life. In 2002, Ruth obtained a Masters of Science in Structural Engineering from the University of Manitoba. Over the years, she served on several national committees, and in 2019, was the President of Engineers Geoscientists Manitoba. But it wasn't all work - and no play - for Ruth.



Lisa

Remembering Ruth Eden

She enjoyed playing many sports and connecting with friends and colleagues on a curling sheet, golf course or softball diamond. She especially enjoyed her mixed curling league games and women's golf outings.

The travel bug bit Ruth at an early age. She enjoyed travelling, whether it was for work or leisure. Her job allowed her to explore and see all parts of Manitoba, and many cities across Canada while attending conferences and connecting with colleagues from across North America. She also enjoyed family trips to visit relatives in Iceland and Sweden, to cruise Alaska, and to enjoy sunny Florida with her brother, sister-in-law, nephew and nieces who were especially dear to her.





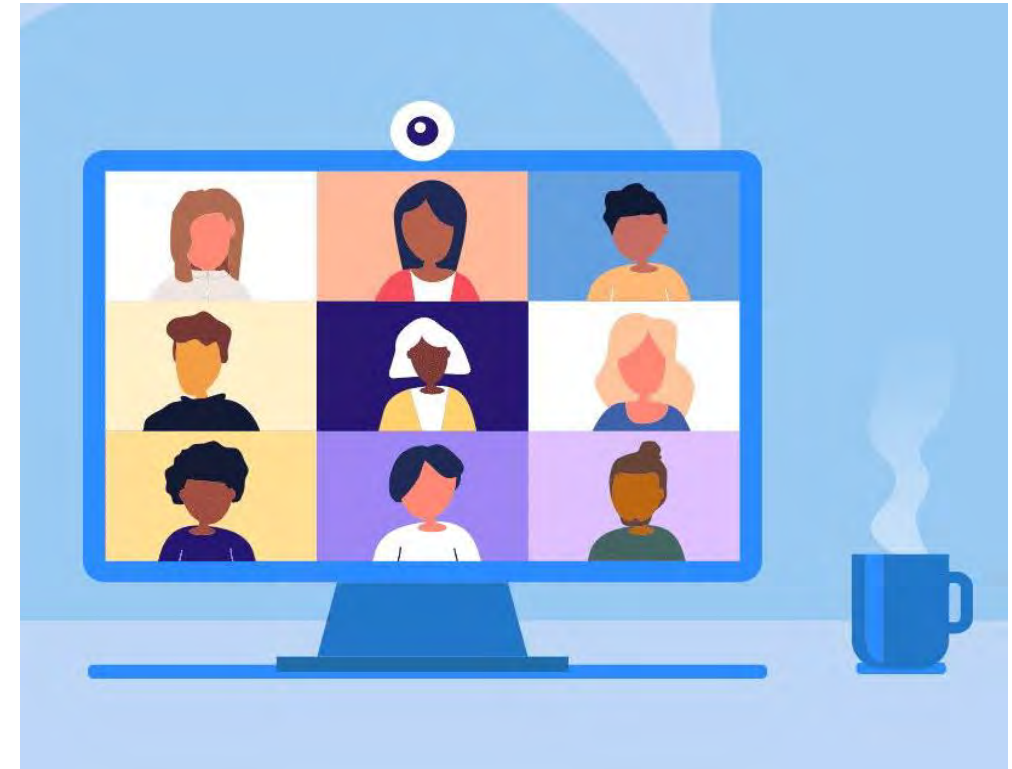
What, since then, I think, I did to help to help to help.

How to get the most out of this Program

- Encourage each other. This is student-led program (to help build student communication and networking skills), but they may need support from their Protégée/Mentor – reach out if you haven't heard from them.
- Dedicate some time each month to get in touch with your team – virtual meet-ups, over the phone, via email or text – whatever works for you.
- Be honest and open in your discussions with your team. Create a 'safe space'.
- Determine what YOU want to get out of this program – there's always room to grow!

It's time to meet your team - virtually!

- You'll be put in a breakout room with your mentorship team.
- Introduce yourselves!
- We'll also broadcast some questions for you to discuss
- Be sure to put your video on!
- You'll have about **25 minutes** before we call you back to the main meeting



Source: <http://events.coloradoan.com/fortcollins/events/virtual-candidate-meet-and-greet/E0-001-135651777-3>

Welcome Back!

What is engineering and geoscience...

in pictures and words

What is engineering and geoscience?

Instructions:

- Go onto jam board – see link in chat
- Use your team's page to insert images and words that represent your work or the work you aspire to do
- Use your personal pictures, or
- Find images on the internet. No need to cite your sources! This isn't being published or submitted anywhere.
- You have 20 minutes!

Welcome Back!

Mentoring Agreement

- Together, in your Mentorship team breakout room, review and complete the Agreement
 - Exchange contact information
 - Share what you hope to gain from the relationship and what you also hope to contribute the relationship
 - Set Program expectations
 - Determine when (and how) your next interaction will occur
- **Students** – you are responsible for completing the document, and e-mailing it to the rest of your Mentorship team.
- You have up to 30 minutes

Welcome Back!

Upcoming Events



Register:

https://us02web.zoom.us/meeting/register/tZ0vcuCsqDoiGNQ1SbA_DBJF0oTjGp5QSsla

Presents: 2021 Fall Speaker Series

"A Sedimentary Geologist's Journey from Petroleum to Critical Minerals"

Michelle is currently the Provincial Geologist and Senior Manager. Michelle also formed and chairs the Manitoba Critical Mineral Team for the provincial and federal governments.

Michelle's expertise are in petroleum and pore space geology and stratigraphy of Manitoba's two Phanerozoic sedimentary basins.

Date: October 19, 2021

Time: 12 pm, CT

Location: On Zoom



"Sustainable Mining by Drilling Technology"

Shannon has over 20 years of mining and exploration industry experience. Recent roles include Director of Global Exploration and Growth for Barrick Gold. Shannon is currently the Vice President of Business Development for Novamera, a company looking at innovative ways to precision mine narrow veins.

Date: November 25th, 2021

Time: 12 pm, CT

Location: On Zoom



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ONWiE Summit 2021

WHEN: November 18, 2021 @ 1:00 pm – 5:00 pm

COST: Free

CONTACT:  Bani Rafah

 Email

Ontario Network of Women in Engineering Summit 2021



Keynote Speaker:

Dr. Eden Hennessey (she/her)
Manager of the Student Centre
for Equity, Diversity, and
Inclusion (CSEDI)
Wilfrid Laurier University

Keynote Topic:

Women and Girls in STEAM: Engineering Inclusion

Join one of our three virtual panel discussions and following workshops to learn more about:

- Effective high school outreach models
- Building inclusive experiences for engineering students
- Positive co-op and internship experiences for all

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Lamya

Career Change - From Field To Leader With Tafa Gomwe Kennedy, P.Geo.

Tafa Gomwe Kennedy, P.Geo.

Dr. Gomwe is the Director of Mining, Oil, and Gas with the Province of Manitoba and has over 20 years' experience in the exploration and mining industry in South Africa, Tanzania, Quebec, and Ontario. Dr. Gomwe obtained her BSc from Rhodes University, her MSc from Pretoria University, and her PhD from the University of Quebec in Chicoutimi.



Keynote

Employee Engagement - The Myths And The Reality With Jane Helbrecht

Jane Helbrecht

As a Partner with Acuity HR, Jane leads the Training and Leadership Development division. She is a dynamic speaker who delivers training with an approach that focuses not only on knowledge and skills, but also on shifting attitudes and building habits for long term meaningful change. Organizations trust Jane with their leadership development to shift team dynamics so that teams can focus, get work done, and have fun while they do it.



Interactive Workshop

Key Skills For Creating And Claiming Value In Negotiations With Lukas Neville

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Carbon Capture, Utilization, And Storage Potential In Canada With Marcia Couëslan

Interest in carbon capture, utilization, and storage (CCUS) has exploded in the last 12 to 18 months in Canada with the advent of the federal carbon tax and Clean Fuel Standard. Large carbon dioxide (CO₂) emitters from multiple sectors will be under increasing policy and financial pressure to address their CO₂ emissions. The Western Canadian Sedimentary Basin (WCSB) is one of the optimal locations in Canada to pursue CCUS opportunities.

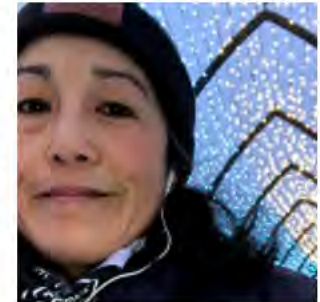
- Marcia Couëslan

Marcia Couëslan is originally from Brandon, Manitoba and has a Bachelor of Science in Geological Engineering from the University of Waterloo. She worked as a Geophysicist for Schlumberger Oilfield Services prior to doing her master's in geophysics at the University of Calgary, where her thesis focused on monitoring the Pembina Cardium CO₂ Pilot Project using downhole seismic methods. Marcia spent



Target Zero: Where The Two Greens Meet With Stephanie Chow and Dave Pancoe

Stephanie Chow with a BSc in Geological Sciences from Indiana University and a master's from the University of Calgary, Stephanie now serves as Sustainability Technician for the Forks Renewal Corporation. She is a recognized expert in project management and service delivery, bringing her wealth of experience to The Forks managing their Target Zero Program.



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Keynote

Inspiring Clean Energy Diversification, Having The Courage To Make A Difference

With Kirsten Marcia, P.Geo.

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Kirsten Marcia, P.Geo., is both a professional geoscientist and a resource entrepreneur who has participated in the formation and early-stage development of several Saskatchewan resource companies. For the last ten years she has been the pioneer and key driving force behind the development of Canada's soon to be first geothermal power generation site. Kirsten is using her previous experience gained from developing traditional resources to develop an entirely new, clean energy resource for the province of Saskatchewan.



Panel

How Will Climate Change Affect Your Future Practice?

Modern Methods For Estimating Climate Change Impacts On Water Supply In+ Manitoba

With Scott Pokorny, EIT, and Hank Venema, P.Eng.

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Keynote

Wahkohtowin; The Interconnectedness Of Design And Engineering
With Mihskakwan James Harper, EIT

Mihskakwan James Harper, EIT

Mihskakwan James Harper is from Sturgeon Lake Cree Nation in Treaty 8, Alberta. He is currently a Development Analyst at NRStor Inc., a Canadian energy storage developer. He graduated from the University of Manitoba with a Bachelor of Science in Mechanical Engineering and has recently completed a Master of Science in Renewable Energy from KTH Royal Institute of Technology and Ecole Polytechnique, with entrepreneurial training from Esade Business School.



Clean Microgrid Development

With Mihskakwan James Harper, EIT

We will examine the assessment and feasibility of developing a clean microgrid in remote communities through a case study: Northlandia, modelled after the Hamlet of Arviat in Nunavut. The session will include describing clean microgrids, the development process, a technoeconomic study to size/design the system, remote/Arctic specific considerations, reviewing community development and project externalities, equitable and empowering partnerships, and actions for future work.

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Registration is \$125 for interns and professionals

Student registration at a discounted rate of \$25 for Professional Development Seminars.

At least three (3) FREE student registrations

Send Lamya an email if you are interested

Names will be picked out of a hat

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What's Next?

- Please complete the post-event survey (you'll receive an email in the next few days)
- Watch for a meeting notice for our next events on:

**Thursday, November 18, 2021 – Linda Murphy, P.Geo
Meaningful Consultation with Indigenous communities**

Tuesday, January 18, 2022

Wednesday, March 16, 2022



- Try to be in contact with your team at least once between now and the next event

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Questions and Feedback

Open Networking

- If you'd like to stay until 8:30pm to network with others in the program, please stay online.
- We'll put you into random breakout groups and rotate you every 10 minutes or so
- Feel free to leave whenever you need to

Networking: Topics for Discussion

- All - Talk about how you ended up in engineering/geoscience
- All - Talk about what you like best about engineering/geoscience
- All - Talk about your interests and goals (professional and extra-curricular)
- Protégées/Mentors – talk about the transition from school to the engineering/geoscience workplace
- Mentors – discuss career trends and opportunities within your field