

February 2024

February Joint Meeting - Section and Geo-Institute: Battling the Elements at Elevation 11,160 feet

Date: Thursday, February 15

Time: 6:00 pm

Location: Art Marble 21
731 Westlake Ave N
Seattle, WA 98109

[Register Here](#)

This presentation discusses the challenges we encountered in design and construction of micro-piles and tiebacks at 11,160 feet on the summit of Lone Peak Mountain in Big Sky, MT. Condon-Johnson and Associates, Inc. (CJA) was hired to design and build the foundation system of the new ski tram structure – soon to become the flagship of the most technologically advanced lift system in North America. At this elevation, the ground is permanently frozen and is covered in snow during 10 months of the year. Storms roll in with little to no warning, and the oxygen levels are less than 14% (versus 21% at sea-level). There are no roads to top of the mountain, and all access is provided via helicopters.

CJA had to come up with innovative solutions to excavate over 2000 yards of rock, remove massive amount of snow, and tackle logistical issues of transporting drill rigs, equipment and material to top of the mountain. CJA was able to install over 40 heavy duty micro-piles and tiebacks - embedded into the frozen ground - that will support the future structures against over-turning, rotation and sliding off the mountain.



February President's Column

By Katie Sultani-Wright

ASCE Seattle Section President

Greetings, Seattle Section! 2024 is in full swing!

Engineers Week

[Engineers Week](#) is coming up! Engineers Week will be celebrated this year from February 18-24, 2024. This year's theme is "Welcome to the Future." One of my favorite memories from E-weeks of the past was bringing my two daughters to work with me for Girl Day. I was fortunate enough to be able to bring them to work with me to show them all the cool stuff that I had the privilege of working on during the day. They still talk about those days.

Along those lines, [Cities of the Future](#), a new IMAX film produced in association with ASCE, will be released in February during Engineers Week. Check out this [interview](#) with Paul Lee, PE, ENV SP, one of the civil engineers featured in the film, as published in *Civil Engineering Magazine*.

MRLC 2024

[Visit our Website](#)

[Section Officers Contact](#)

[Newsletter Editor Contact](#)

Upcoming
Events
Calendar

MRLC 2024 in Seattle is almost here! MRLC is happening on February 9-10, 2024 at the Westin Seattle. MRLC includes WRYMC, WSBIL, and WSCL. There are so many [events](#) that the talented and dedicated planning [team](#) has put together. [Register](#) now to attend this not-to-miss experience!

Current
Job Board
Openings

ASCE Members Only Events
Professional Liability 101 Webinar - February 12, 2024

Post a Job
Opportunity

[What you don't know can cost you: Understanding engineer's professional liability insurance | ASCE](#)

Younger
Members
Forum

From the website: "This webinar will answer basic questions regarding professional liability insurance for engineers – what it is and who needs it. The webinar will also address some coverage highlights as well as the core elements of a claim and risk management. We'll also discuss the application process. Think of this as "professional liability 101"."

**MARCH 2024
NEWSLETTER CONTENT
DEADLINE:**
February 20, 2024

LOCEA Award Nominations due March 1

Geo-Congress 2024

Join the Geo-Institute as we bring Geo-Congress to the Pacific Northwest for the first time! We're thrilled to be coming to Vancouver from Feb 25-28. We'll be downtown at the beautiful harborfront Convention Center. It's everything you love about Geo-Congress – the award lectures, the student competitions, the great exhibit hall, and all the fun! We have short courses, discounted registration for governments and students, and a lot more!

Registration pricing rises again this Friday – so register today to save! Info and registration available at <http://www.geocongress.org>. Exhibit and sponsorship opportunities also available – contact Brad Keelor at bkeelor@asce.org. Hope to see you in Vancouver!

ASCE North Branch Seeking Officers

The ASCE North Branch of serves members of the Seattle Section who live and/or work in Whatcom, Skagit, San Juan, Island and Snohomish counties.

We are currently seeking officer candidates to help us build momentum around networking events, project tours and web presentations specific to our five-county region. Open positions include:

- President
- Vice President
- Communications Chair
- Program Chair (find and schedule events and presentations)

If you are interested, please contact Jeff Colon, Acting President, at ascenorthbranch@gmail.com.

2024 PNW Student Symposia

2024 PNW Student Symposia - April 6-7, 2024 - Sponsorship Support/Volunteers Needed

The University of British Columbia ASCE Student Chapter in Vancouver, BC is excited to host the Pacific Northwest Student Symposia April 6-7th, 2024. 15 schools from the western United States will be attending Professional Development workshops and participating in competitions such as Steel Bridge and Concrete Canoe.

If your company is interested in supporting these amazing students, please visit [Pacific Northwest – Hosted at the University of British Columbia \(asce.org\)](https://www.asce.org/pnw) for Sponsorship Opportunities.

If you are interested in being a judge/volunteering for the event please sign up on the [Volunteer Form - HERE](#)

If you have any questions, please contact UBC ASCE Co-Presidents Kimia and Briana at ubc.asce@gmail.com.

Upcoming Committee Meetings

Younger Member Forum (YMF)

Interested in networking events and opportunities with ASCE Seattle's Younger Members? Be sure to [subscribe to the YMF Newsletter here](#) to stay up to date.

History & Heritage Committee

The ASCE History & Heritage Committee will be meeting on Zoom on Sat, Feb 3 at 8:30 am. Please contact [Cindy Hirsch](#) for more information.

Small Project Development Committee

Small projects can be challenging since there is not the economy of scale or municipal funding. Come discuss the creative ways we meet the challenges. We meet online the 3rd Wednesday of most months from noon to 1:30 and would love for you to join us. Email me to get on the list or just to attend one meeting. LisaHarbert@outlook.com

K-12 Volunteer Interest Form

Are you interested in volunteering for K-12 STEM events and interested in inspiring the next generation of engineers?

If you answered **YES**, please fill out the google form to the right if you would like to be updated about future K-12 volunteer events in the Seattle Area. After you fill out this form, you will be notified of K-12 volunteer opportunities in the area. Please know that you are not required to sign up for any event by filling out this form.



Google Form

Please contact Nicki Peden (K-12 Outreach Chair) at k12asce.seattle@gmail.com for any questions, comments or additional information

ASCE Seattle Job Board

[Click here to view open positions](#)

City of Bothell

Capital Project Engineer & Capital Project Engineer Sr.

Posted 11/17/2023

The City is looking for an effective, organized, and team oriented professional engineer to manage capital projects from design through construction and play a major role in the development of a thriving, diverse community.

View full job descriptions [here](#) and [here](#).

Kimley-Horn

Transit Engineer, PE

Posted 10/5/2023

Kimley-Horn, one of FORTUNE Magazine's "100 Best Companies to Work For," is seeking a motivated Transit Engineer to join our Seattle, Washington team and work on some of the largest transit projects across the country!

[To apply, click here.](#)

Advertise your current open positions to ASCE Seattle members today for only \$75 for the first month and \$50 for each subsequent month of the same content.

[Email communications@seattleasce.org to learn more.](mailto:communications@seattleasce.org)



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