

May 2022

**ASCE SEATTLE MAY MEETING:**

UNIVERSITY OF WASHINGTON &  
SEATTLE UNIVERSITY  
**STUDENT  
PRESENTATIONS!**

JOIN US VIRTUALLY ON ZOOM  
WEDNESDAY, MAY 11  
5:30PM - 7:00PM



We are excited to announce the May 2021 ASCE Seattle Section meeting featuring presentations by UW and Seattle University students and recognition of our Section's newest Life Members!

Please join us for a fun virtual evening with friends and colleagues! Both UW and SU are holding competitions for students, teams, clubs, etc. to present their work to a panel of judges. The winning team from each school will present at the section meeting and will be awarded prizes. This gives students in the civil and environmental engineering department an opportunity to showcase their hard work and engage with our Section and YMF Members.

Our Life Members will have an opportunity to speak about their ASCE journey and how it enhanced their civil engineering careers.

[Register Here](#)

**Date:** Wednesday, May 11

**Time:** 530pm - 7:00pm

**Location:** Virtual, Zoom



## May President's Column

By Mackenzie Capaci

ASCE Seattle Section YMF President

Hello Seattle Section!

My name is Mackenzie Capaci and I am the Younger Member Forum (YMF) President for the Seattle Section. I am excited to be your guest writer for this month's President's Column to catch you up on all things YMF!

This year, we are doing a lot within the YMF as we balance coming out of pandemic life. We started the year with only virtual activities, which included partnering with local STEM K-12 programs, kicking off our mentorship program, and hosting a couple networking events on Zoom and even partnering with other YMF's across Region 8. We also hosted a joint holiday party with the Section that we were able to conduct over the interactive virtual space, Gather Town. As we have started going back into a state of normalcy, we are happy

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**JUNE 2022  
NEWSLETTER  
CONTENT DEADLINE:  
May 20, 2022**

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to announce that in-person events are back! In March, we had our first in-person networking event at Aslan Brewing, and this month we had a technical tour of the Seattle Public Utilities (SPU) Material's Testing Lab, followed by networking at Hood Famous.

We were grateful to have SPU as our first Technical Tour of this year, as they have always been an amazing supporter of the Seattle YMF! In addition to other sponsors, SPU once again helped make the 27<sup>th</sup> Annual Popsicle Stick Bridge (PSB) Competition a reality by donating their time and equipment to stress test the high school student bridges. This year we were happy to have 15 student bridges from 5 schools throughout the Puget Sound Area, and 2 corporate bridges. We hosted PSB again virtually this year but are looking forward to having them back at the Museum of Flight in the coming years.

In spite of not having PSB at the Museum of Flight, they were gracious enough to work with us for this year's Executive Forum, providing their auditorium as a place for our panel discussion, and with audio and visual aid for this hybrid-virtual event. The Executive Forum is an event that provides young engineers with an opportunity to hear from prominent industry leaders. This year's panel featured Howard McKenzie, Vice President and Chief Engineer at Boeing, Kevin Dayton, Chief Engineer and Assistant Secretary at WSDOT, Kristen Simpson, Director of SDOT, and Ron Lewis, executive Director of Design Engineering and Construction Management at Sound Transit. The group of panelists discussed this year's topic "Building the Future: Transitioning from a Pandemic" giving insight into their career paths and experiences, how their companies have adapted over the last couple years, and how the new infrastructure bill will affect Western Washington and the greater Seattle area.

As I mentioned, the YMF has also continued its joint Mentorship Program with the Seattle Section, which pairs YMF and Section members together to promote professional growth, provide support, advice, encouragement, and coaching wherever possible. We kicked off the program earlier this spring and have 6 pairs.

Our K-12 Outreach program has joined forces with local programs including the Washington Alliance for Better Schools' After School Stem Academy, participating in the Fall, Winter, and Spring Sessions, and participated as judges for the Future Cities Competition, judging student reports, models, and presentations. The YMF has always strived to connect more professionals with K-12 students to inspire STEM participation. We are actively working to collect local teacher contact information to build a network community. If you know of teachers that would be interested in connecting with us for engagement opportunities, please direct them to our teacher interest form:

<https://docs.google.com/forms/d/e/1FAIpQLSePF9ax4tEymWzi8yq7FKf4qYBV-EhAtW-3bD0DcE8tN3m5eg/viewform>

Our annual Leadership Retreat, which joins the Seattle and Portland YMFs together for a fun weekend of networking and team building was brought back this year! We had 12 Seattle members and 6 Portland members attend this *Beach Retreat* in Pacific City, Oregon. We spent the weekend not only building our relationship but drip sandcastles as well. It was a fun time networking, making meals together, relaxing at the beach, and hiking the local sand dunes.

In most recent news, this past week was the Pacific Northwest ASCE Student Symposium, which was hosted by the University of British Columbia (UBC). This conference hosts the regional Concrete Canoe Competition, Steel Bridge Competition, Sustainable Solutions, Environmental (Water Treatment) Competition, and the Daniel W. Mead Technical Paper Competition. It also featured three Pop-Up Workshops: Leadership & Time Management, Leading Groups & Communication, and Networking & Meetings. There were 12 participating schools who all did an amazing job! Despite the virtual format, teams still built canoes and bridges, gave presentations, wrote technical papers and proposals,

generated cost estimates, and created digital posters. The Seattle YMF hosted a virtual networking event on Thursday evening for the students. We played bingo, Kahoot, gave away prizes, and provided an opportunity for students to network with younger members. Overall, 12 schools (+1 guest school) participated in the symposium and did an amazing job not only representing their universities but ASCE as well.

**Congratulations to the following winners:**

Concrete Canoe:

- 1st place – University of British Columbia
- 2nd place – University of Washington
- 3rd place – Montana State University

Steel Bridge:

- 1st place – University of Alaska Fairbanks
- 2nd place – University of Alaska Anchorage
- 3rd place – University of Idaho

Sustainable Solutions:

- 1st place – Portland State University
- 2<sup>nd</sup> place – University of Portland

Environmental (Water Treatment):

- 1st place – Portland State University
- 2nd place (tie) – Gonzaga University & University of Portland

Daniel W. Mead Paper:

- 1st place – Oregon Institute of Technology
- 2nd place – University of Washington
- 3rd place – Gonzaga University

We had some volunteers from the Seattle YMF participate in judging and coordination during the year and I would personally like to thank them for the extra time and support they lent to the students. And of course, a huge shoutout to the UBC team for organizing this symposium! I was fortunate enough to join in on many of the coordination calls with nationals throughout the last year and got to see firsthand the effort they put in and the amazing adaptability and perseverance these students have. On top of an already massive undertaking, which is the conference itself, they had to deal with many unknowns from the pandemic. They put together an amazing conference and all should all be very proud of the work they've done!

Thank you all so much for taking the time to learn a little about what the YMF has been up to the last few months, we still have a lot planned for the remainder of the year and are excited for what's to come! If you'd like more information on our programs, please check out the links below! Have a wonderful May!

- Website: <https://www.seattleasceymf.org/>
- Facebook: <https://www.facebook.com/seattle.asce.ymf/>
- Instagram: <https://www.instagram.com/seattleasceymf/>
- YouTube channel: <https://www.youtube.com/user/seattleasceymf>
- If you are interested in volunteering for K-12 Outreach events, please fill out this volunteer interest form: <https://docs.google.com/forms/d/e/1FAIpQLSczeUED58xczQY3ZFFam8hwlrPo8hHB-ULkWOTFasd4m2hHGQ/viewform>

Are you considering becoming an ASCE Member?

**Each month we'll be highlighting a unique benefit of membership.**

### **Immerse Yourself in ASCE Week**

You can earn up to 40+ PDHs by participating in one or multiple seminars, technical tours, and networking opportunities, all in one place.

**[Join ASCE Today!](#)**

**[To learn about all the great Member Benefits, check out this guide!](#)**

## ASCE SEATTLE SCHOLARSHIP NOW OPEN!



### RICHARD WILLIAMSON JONES MEMORIAL SCHOLARSHIP

**DUE JUNE 25, 2022 (\$2,000!)**

## 2022 ASCE Seattle Officer Elections

The 2022 Election of the ASCE Seattle Section Board of Directors will take place between May 9 and May 27, 2022. Online ballots will be emailed to Section members on Monday, May 9. If you are a Section member and do not receive a ballot by end of day May 9, please contact Don Nguyen at [president@seattleasce.org](mailto:president@seattleasce.org).

The following positions will be put forth:

- President-Elect
- Treasurer
- Director of Technical Committees

Nominee bios will be provided with the voting ballots.

Not an ASCE member yet? [Become a member today!](#)

Already a member? [Renew](#) your membership!

## Upcoming Committee Meetings

### History & Heritage Committee

The ASCE Seattle **History and Heritage Committee's** next meeting will be held on **Saturday, May 7, at 8:30am**. History & Heritage Committee meetings are held via Zoom. If you are interested in joining ASCE Seattle's History and Heritage Committee or attending their monthly virtual meetings, reach out to [Cindy Hirsch](#).

### EWRI Committee

The EWRI March online lunch presentation is on **Thursday, May 9 at 12 noon**

Contact [seattleascewre@gmail.com](mailto:seattleascewre@gmail.com) if you are interested in being added to the Seattle Section EWRI mailing list to make sure you receive EWRI meeting notices and the link to join the virtual meeting!

### Diversity Committee

The next Diversity Committee Meeting is scheduled for **Tuesday, May 17 at 5pm**.

If you are interested in joining ASCE Seattle's Diversity Committee or attending their monthly virtual meetings, reach out to Diversity Chair, [Joshua Shin](#).

## ATC-20 "Post-Earthquake Safety Evaluation of Buildings" Training

**Web Event: ATC-20, Post-Earthquake Safety Evaluation of Buildings**

**Date & Time:** Tuesday, May 24, 9am-1pm (PT)/8am-12pm (Alaska)

**Register:** [https://us02web.zoom.us/webinar/register/WN\\_JiwRI2seSWC\\_AlhQuW8lmA](https://us02web.zoom.us/webinar/register/WN_JiwRI2seSWC_AlhQuW8lmA)

**Description:** This free training provides instruction on rapid and detailed evaluation procedures for

evaluating earthquake-damaged buildings and posting them as INSPECTED (apparently safe, green placard), LIMITED ENTRY (yellow placard), or UNSAFE (red placard). The web-based training provides examples that allow attendees to evaluate building damage conditions, assess the overall risk from the damage, and recommend which of the three placards should be posted on the building.

**Instructor:** Keith Porter, Research Professor, University of Colorado Boulder, and Principal, SPA Risk

**Audience:** Building officials, engineers, architects, building owners, emergency managers, risk analysts, and other interested citizens and volunteers.

**Document:** Hard copy available free of charge to attendees who complete the request form after the training.

**PDH Eligible:** Yes. (Note: In the case of multiple participants watching the training on the same device, a PDH certificate will only be issued to the individual who registered for the training.)

## SPU Customer Review Panel Call for Volunteers

**SPU's Customer Review Panel (CRP) is seeking new members for July 2022 appointment.**

CRP members participate with SPU leadership provide advice and recommendations to the Mayor and City Council on the Utility's strategic plan and rates. CRP members bring expertise in community, with different professional and life experiences, to ensure SPU fosters healthy people, environment, and economy by partnering with our community to equitably manage water and waste resources for today and for future generations. SPU is especially interested in members who can actively partner on our commitments to Our City Values and Social Justice and CARES principles.

We are actively seeking a diverse candidate pool to help inform SPU on its work and vision to become a community-centered utility. Persons from Black, Indigenous, Communities of Color, Immigrant & Refugee communities and low-income backgrounds are highly encouraged to apply.

Learn more about the CRP's work and how to get involved at [seattle.gov/utilities/CRP/](https://seattle.gov/utilities/CRP/).

**Applications are due May 9, 2022.**



### Help Guide Your Utility's Future.

Keep utility rates affordable, and our drinking water delicious. Join SPU's Customer Review Panel.

Find out more at (206) 348-1901 or visit [Seattle.gov/utilities/CRP](https://seattle.gov/utilities/CRP/)



## LOCEA Spotlight

Congratulations to the winners of the 2022 LOCEA Awards (presented March, 2022)! Each month we will be highlighting a different LOCEA award winning project. This month we are pleased to highlight the winner in the **Small Projects & Non Construction Studies Category**.

### Northgate Link Extension

**Project Owner:** Sound Transit

**Nominated by:** McMillen Jacobs Associates

One of Washington state's most significant transit projects, the Sound Transit Northgate Link Extension project, connects Seattle's Northgate business/retail center with the University District. As an extension of Line 1 (formerly Central Link), the project consists of 4.3 miles of double-track light rail, 3.5 miles in twin bored soft-ground tunnels, 0.8 miles in retained cut portal structure, and an elevated trackway. The project, which opened on October 2, 2021, connects travelers from Northgate to downtown Seattle's Westlake Station in just 14 minutes and is expected to see 41,000 to 49,000 daily riders by 2022 and significantly reduce traffic congestion through the Interstate-5 corridor.



The \$1.9 billion project includes two underground transit stations (Roosevelt Station and University District Station), ancillary structures, an elevated multimodal station (Northgate Station), and an underground transit parking garage. The project area is characterized by dense, urban neighborhoods

and complex subsurface and groundwater conditions, which required optimizing the location and alignment of the underground elements. McMillen Jacobs designed the tunnels, provided structural design on the bottom-up underground station excavations, and was responsible for geotechnical services as the prime engineering consultant. McMillen Jacobs was also responsible for project management, estimating and scheduling, and project controls for the design team, which consisted of over 30 firms.

[Read about all the LOCEA Award Winners here.](#)

## David Thompson's Mapping of Western North America as ASCE International Historic Civil Engineering Landmark

At the January 15, 2022 meeting of the national ASCE Board of Directors, the nomination of David Thompson's Mapping of Western North America was approved as an International Historic Civil Engineering Landmark (IHCEL), the 62<sup>nd</sup> such designation by ASCE.

A member of the Seattle Section's History and Heritage Committee researched David Thompson's work for 10 years and drafted the nomination with assistance from other committee members. The nomination was finalized by members of the ASCE and Canadian Society for Civil Engineering (CSCE) National History and Heritage Committee Committees.

David Thompson was noted for his 24 years of work from 1790 to 1814 for both of the two large Canadian fur trading organizations of the time, Hudson's Bay Company (HBC) and the North West Company (NWC). In this time span he conducted ground surveys and mapped 1.7 million square miles of the Canadian interior and the U.S. States of Wisconsin, Minnesota, North Dakota, Montana, Idaho and Washington from Hudson's Bay to the Pacific Ocean. He has been called by some historians as "The greatest land geographer to have lived".

A plaque noting Thompson's work will be dedicated at the annual CSCE conference at Whistler, B.C. in May 2022 and permanently placed later at a historical reconstruction of the NWC field headquarters near Thunder Bay, Ontario. The ASCE Minnesota and Montana Sections also participated in the nomination and will display duplicate plaques at locations still to be decided.

## Membership Discount for WSDOT Employees

Attention WSDOT employees! A new ASCE membership discount is now available to you! WSDOT employees can now receive a **25% discount on membership renewals and new memberships using promo code DOT-WSDOT**. Enjoy all the benefits of membership, including 10 free professional development hours (PDHs) and more!



Not currently a member? Go to <https://www.asce.org/join/> and Click "Join Now." Use your WSDOT email address (alternate emails can be added later) and use the promo code to receive 25% off!

If you need any assistance in joining, please contact ASCE at (800) 548-2723 or [gov\\_engineer@asce.org](mailto:gov_engineer@asce.org).

## 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](mailto:k12asce.seattle@gmail.com) for any questions, comments or additional information

# Section Meeting Recordings Now on YouTube!



ASCE Seattle is now on YouTube!

Find recordings of our past Section Meetings and subscribe to our channel to catch future videos here:

[ASCE Seattle Section - YouTube](#)

## ASCE Seattle Job Board

Current Job Openings:



**Roadway/Civil Engineer, Project Manager | KPFF Consulting Engineers (Seattle)**

*Posted: 2/22/2022*

Our Transportation team is seeking highly motivated Roadway/Civil Engineers and Project Managers with a minimum of 3 years of civil related engineering experience on transportation projects. These positions will provide an opportunity to work with a variety of clients delivering infrastructure projects including major transportation projects in a team environment.

[Read more here.](#)

**Click to View Full Descriptions & How to Apply!**

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)

**DID YOU KNOW?**

**All ASCE Seattle Members are always invited to join the Seattle Section Board Members at the monthly Board Meeting. Interested in attending? Check the [calendar on the ASCE Seattle website](#) for the meeting time and location and email [president@seattleasce.org](mailto:president@seattleasce.org) if you plan on joining us!**

Are you passionate about social media? Interested in helping the Seattle Section grow our virtual presence? Reach out to our Communications Chair at [communications@seattleasce.org](mailto:communications@seattleasce.org), we're looking for creative minds to help grow and improve our social media!

