

April 2023

ASCE SEATTLE APRIL MEETING:

WED
APR
19

5:15PM
-
8:00PM

SPEEDCORE IN PRACTICE: WHERE WE STARTED, WHERE WE ARE, AND WHERE WE'RE GOING.

JOINT MEETING WITH SEAW

JOIN US IN SEATTLE!

We are excited to announce the April 2023 ASCE/SEAW joint meeting - **in person!** Please join us for a fun evening with friends and colleagues! Check out the "Mentoring" area on the registration page for information on our mentoring initiative!

SpeedCore in Practice: Where we Started, Where we are, and Where We're Going.

SpeedCore, the concrete filled composite plate shear wall system, has come a long way in a brief time in structural engineering practice. Construction on the first SpeedCore system started in 2017, and as fast as the system moved from research to practice, the implementations of real-world informed improvements have been faster. This presentation will focus on how practical experience has led to significant improvements in this novel system, how these were implemented in the latest SpeedCore building completing this year, and improvements expected to be implemented in future iterations.

[Register Here](#)

Date: Wednesday, April 19

Time: 5:15pm - 8:00pm

Location: Museum of Flight, 9404 E Marginal Way S, Seattle, WA 98108



April President's Column

By Elyssa Dixon, PE

ASCE Seattle Section President

Hello Seattle Section!

It's been so wonderful to see the sun more frequently in the past month - my dog and I are definitely enjoying all the flowers on our walks.

I'm excited to share two in person events for the coming month and hope to see you there. First, our April joint meeting with SEAW will be at the Museum

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of Flight on April 19. Jeremy Hasselbauer from MKA will share an overview of SpeedCore, the concrete filled composite plate shear wall system, along with many opportunities to connect with your fellow ASCE members.

Secondly, [Rebuilding Together](#) is back! The ASCE Seattle Section has been connected with an individual in the Central District who can use our help with a variety of repairs and improvements to her 1902 family home. We're looking for a group of volunteers with any level of experience to help (under the guidance of our very capable coordinator Ross French) on April 29. Please see details below to sign up.

See below for other ways you can get involved with our community and feel free to reach out any time. I hope to see you soon!

**MAY 2023
NEWSLETTER
CONTENT DEADLINE:
April 20, 2023**



Rebuilding Together 2023

Saturday, April 29, from 8:00 AM to 4:00 PM
Central District, Seattle

[Register here](#)

There are over 37,000 low-income homeowners in the Seattle area that are in need of home repairs they cannot afford. On April 29, 2023, ASCE member volunteers will take part in Rebuilding Together Seattle's Spring Rebuilding Day. On this day, nearly 750 volunteers will work together on 25-30 houses and nonprofit facilities. You can be one of them!

The event is from 8 am to 4 pm, and volunteers will be provided with light breakfast and coffee, lunch, and water. Volunteers are encouraged to bring gloves, sturdy boots, and any other gear to work in, rain or shine. Up to 20 to 40 volunteers needed.

NO EXPERIENCE NECESSARY. It's a good opportunity to get more hands on and build something!

This year's event will be in the Central District (address will be provided to registered attendees). For more information on Rebuilding Together visit their [website](#).

Contact [Elyssa Dixon](#) for any questions.



Sixth Annual Federal Way Public Schools (FWBS) STEM Exploration Night

Where: Federal Way Public Schools, more details to come

When: Wednesday, April 12th, 6-8 p.m.

This year, Federal Way Public Schools will be hosting their sixth annual STEM Exploration Night in person for the first time since 2019! The ASCE Seattle Section YMF will be hosting an activity table to engage students, and is looking for 6-8 volunteers. There are additional opportunities to participate as a company, or as an individual. Check them out at the following link: <https://www.fwps.org/STEMNightPartner>



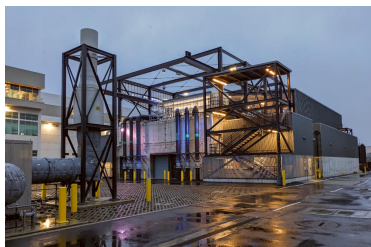
Register to Volunteer!

https://docs.google.com/forms/d/e/1FAIpQLSedcifLTIIBDwH2Z9HV7296GmfV_ecAFd6cUIANzuZsnxsT9w/viewform?usp=sf_link

Please contact Scott at volunteer@seattleasce.org for interest or questions

LOCEA Award Winners

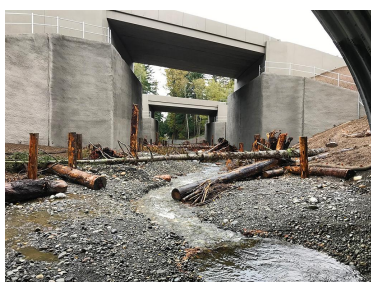
Congratulations to the Local Outstanding Civil Engineering Achievement (LOCEA) Award winners this year! This is the first year ASCE Seattle has awarded "Young Engineer of the Year". We look forward to seeing your nominations next year.



Water Resources Award - Georgetown Wet Weather Treatment Station

In 2013, King County retained a Jacobs-led team to deliver the Georgetown Wet Weather Treatment Station (WWTS) project to control two existing combined sewer overflows (CSOs) into the Lower Duwamish Waterway. The Georgetown WWTS is a satellite treatment facility that will operate an average 20 times per year, processing about 69 million gallons of wastewater annually. This is the first new CSO treatment facility

implemented under the County's CSO Consent Decree. Jacobs and King County successfully met Consent Decree requirements, including submittal of a Facility Plan ahead of the December 2015 milestone. Substantial completion was achieved in 2022.



Water Resources Honor Award - I-5 and SR11 Padden Creek Fish Passage

WSDOT faced a unique challenge; build a functioning fish habitat beneath an active interstate and do it with minimal traffic disruptions. To comply with a federal injunction requiring corrected fish barriers, WSDOT had to replace Padden Creek crossings at I-5 and SR11 near Bellingham, Washington. The KPFF/Granite team, including GeoEngineers, used innovative design and accelerated construction techniques to build 1,000 feet of new stream channel with over 100 habitat features, two

fish-friendly culverts and two bridges that restored fish passage under SR11 and I-5 and provide access to more than five miles of upstream rearing and spawning habitat.



Young Engineer of the Year Award - Mackenzie Capaci, PE, M.ASCE

Mackenzie Capaci serves as the Past President and Board Representative for the Seattle Section Younger Member. She is a Project Engineer for Kennedy Jenks, working on water/wastewater treatment projects across the west coast.

Her colleagues have this to say:

- Mackenzie is highly intelligent, curious, articulate, and hard working. Her enthusiasm for our industry is contagious and inherently encourages other professionals to think creatively and deliver solutions that benefit rate payers, the operator, and the maintainer.
- She works tirelessly to give back to the ASCE community and our industry.
- She puts her all into every aspect in her life and is nothing short of a kind, generous and genuine woman.

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.

Diversity Committee

The next Diversity Committee Meeting is scheduled for **Tuesday, April 18 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.](#)

COPRI Seattle Chapter Meeting

Thursday, April 20, 5:30pm

[Register here.](#)

UPDATE - We are opting to move our COPRI meeting to Thursday April 20th to remove a conflict with the joint session dinner meeting. For those of you who purchased tickets for the 19th, your tickets will be honored for the 20th. If you purchased Zoom tickets, please email us and we'll provide an updated Zoom link. If you purchased tickets already but are not able to make the event on the 20th, we apologize for the inconvenience.

To request a refund for your ticket purchase, please email refunds@brownpapertickets.com and be sure to include your confirmation number. Thank you all, and we look forward to seeing you on April 20th.

The COPRI Seattle Chapter is excited to announce the upcoming monthly technical presentation and social event. We are pleased to welcome Frank Yang, P.E., M. ASCE, Senior Marine Structural Engineer, Moffatt & Nichol; Jim Parkins, P.E., M. ASCE, Vice President and Director of Marketing, Concrete Technology Corporation as the speakers for our April meeting

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 3/24/2023

The City of Bothell has two vacant Capital Project Engineer positions. Based upon experience candidates can apply for either the journey-level Capital Project Engineer position or the advanced-level Senior Capital Project Engineer. Both job announcements can be found on the City of Bothell website, as well as the online application, found [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](mailto:communications@seattleasce.org) to learn more.

