

March 2021



JOIN US VIRTUALLY FOR THE  
**2021 ASCE SEATTLE  
LOCEA  
AWARDS**  
MARCH 10, 5:30PM-7PM  
LOCAL OUTSTANDING CIVIL ENGINEERING ACHIEVEMENT

## Local Outstanding Civil Engineering Achievement Awards!

This special annual program features Local Outstanding Civil Engineering Achievement (LOCEA) presentations and awards. Join us to celebrate the engineering accomplishments in our Section! This virtual section meeting is free to attend and open to members and non-members. **Please join us on March 10, 5:30 pm – 7.00 pm.**

The annual LOCEA awards recognize outstanding projects in the categories of Geotechnical, Structural, Ports and Waterways, Water Resources, Transportation and Development, and Small Project and Non-Construction Studies.

[Click Here to Register & Add to Calendar](#)

**Date:** Wednesday, Mar. 10  
**Time:** 5:30pm-7:00pm

*After registering, you will receive a confirmation email containing information about joining the meeting via Zoom.*



## March President's Column

By Javier Homero Flores Cervantes, PhD, PE  
ASCE Seattle Section President

Hello Seattle Section,

This month we are celebrating our Local Outstanding Civil Engineer Awards (LOCEA), recognizing the civil engineering projects completed in 2020. Even though the pandemic made many of us stay home and work remotely, construction continued throughout the region. It will be very uplifting to learn about these projects in our [monthly dinner meeting on March 10](#).

This month, I would like to talk about how awards, like the LOCEA awards, impact our community. Awards offer a way to recognize members of our community for their remarkable work. They help us learn about what others in our community are doing, and help us nourish the values that are important to us by recognizing them in our projects and in our members.

In this newsletter we are highlighting the recognition of Professor Jessica Kaminsky who was awarded the ASCE's Construction

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APRIL 2021  
NEWSLETTER  
CONTENT DEADLINE:  
March 20, 2020

Institute, Daniel W. Halpin Award for Scholarship in Construction. Professor Kaminsky is a faculty member of the Civil and Environmental Engineering Department of the University of Washington. Something that characterizes her work is groundbreaking research in the pursuit of equity for vulnerable populations around the globe through the construction of socially sustainable civil infrastructure. Her work is very inspiring and this award not only honors her for her contributions, but helps our community learn about her important work.

Last month, ASCE's Region 8 held its Winter Meeting. You may not know that the Seattle Section belongs to Region 8, together with 12 other sections. Our region sections are from Hawaii, Alaska, Washington, Montana, Idaho, Oregon, Nevada and Arizona. You can learn more on the Region 8 [website](#). At the meeting we discussed awards and the importance of recognizing our colleagues, our projects, and the people that volunteer in this organization at every level. It's important for us all to be aware of the annual awards at the local, regional and society level.

Each year, the Seattle Section nominates the winners of the local awards (LOCEA) to the Regional competition. Region 8 has [four annual awards](#). [ASCE Society has its own set of awards](#) (like the one Professor Kaminsky was just awarded! More on this below), the most prominent being the Outstanding Projects and Leaders (OPAL) and Outstanding Civil Engineering Achievement (OCEA) awards. Applications for the Society level awards can be submitted by anyone. Last year, Seattle's Alaskan Way Viaduct Replacement Program was honored by ASCE as a 2020 OCEA Honor Award.

Were you aware of that? I wasn't! We are going to make an effort to communicate better in this regard going forward.

Awards are important, and broadcasting these achievements strengthens our community. I look forward to more nominations for our local, regional and society level awards, and to spread the word about our outstanding people and projects.

Are you considering becoming an ASCE Member? Each month we'll be highlighting a unique benefit of membership.

**Member Benefit:** Make Your Professional Goals Happen with the Valuable Resources in ASCE's **Career Connections**. Where would you like to be in your career five, maybe 10 years from now, and how will you get there? Find answers to your most pressing career questions with ASCE Career Connections, which provides: • Job board • Career coaching • Professional resume writing • Virtual career fairs • Reference checking / employment verification • Career tips [careers.asce.org](https://careers.asce.org)

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

ASCE has been bringing the global civil engineering community together since 1852. With more than 150,000 members across 177 countries, ASCE gives you access to everything you need to move your career forward faster. [To learn about all the great Member Benefits, check out this guide!](#)

## Calling All Students! Scholarships Available!

**Are you a student or do you have a student in your life?** Then you should take a look at ASCE Seattle's THREE open scholarship opportunities! Historically, ASCE Seattle has not received many applications for these scholarships - and we want that to change! Don't let this opportunity slip by you - applications won't take you long and, if you meet the requirements, your chances of being awarded funds are high! [Visit our Scholarship Page](#) to learn more and download the application forms.



## ASCE SEATTLE SCHOLARSHIPS!

### SEATTLE YMF SCHOLARSHIP

**DUE APRIL 3, 2021 (\$1,000!)**

### R.H. THOMSON SCHOLARSHIP

**DUE APRIL 25, 2021 (\$5,000!)**

### RICHARD WILLIAMSON JONES MEMORIAL SCHOLARSHIP

**DUE JUNE 25, 2021 (\$2,000!)**

## ASCE 2021 Report Card Release Event



### 2021 REPORT CARD FOR AMERICA'S INFRASTRUCTURE ASCE

**MARCH 3, 2021**

11 AM - 5 PM ET

VIRTUAL

Join the American Society of Civil Engineers as we release our 2021 Report Card for America's Infrastructure. The quadrennial assessment will grade the condition and performance of 17 categories of infrastructure – including drinking water, roads, the energy grid, levees, dams, and much more. After the grades are unveiled, a program of elected officials, decisionmakers, and thought leaders will discuss solutions to raising our infrastructure GPA.

#### [Register Today!](#)

#### Speakers Include:

- Maryland Governor Larry Hogan
- Sen. Tom Carper (D-DE)
- Sen. Shelley Moore Capito (R-WV)
- Rep. Garret Graves (R-LA)
- Rep. Angie Craig (D-MN)
- Radhika Fox, Acting Assistant Administrator for Water, EPA
- Leon Topalian, President & CEO, NUCOR
- Elizabeth Shuler, Secretary-Treasurer, AFL-CIO

And More

## Popsicle Stick Bridge Competition March 6th!



Seattle ASCE YMF's 26th annual Popsicle Stick Bridge Competition will be held virtually on Saturday, March 6th beginning at 9am. This is an event to get high schoolers statewide excited about civil engineering! Competition viewing details will be posted to our website:

[seattleasceymf.org/psb](https://seattleasceymf.org/psb)

as we get closer to the event.

Feel free to tune into the Zoom Meeting and watch the bridges be broken! <https://zoom.us/j/94351579543>

## March Committee Meetings & Events

### History & Heritage Committee Meeting Saturday, March 6 @ 8:30am

ASCE Seattle's History and Heritage Committee is meeting via video and phone call-in. If you are interested in learning more about the committee and/or participating in their meetings, please reach out to [Cindy Hirsch](#).

### Diversity, Equity + Inclusion Committee Meeting

**Wednesday, March 10 @ 5:30pm**

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

The Seattle Section History & Heritage Committee's charge is to fulfill the goal of ASCE's History and Heritage Committee (HHC), which is to enhance the knowledge and appreciation of the history and heritage of civil engineering for professionals and the public alike. [Read more here.](#)

**Check out their highlight of the ASCE Historic Civil Engineering Landmark Program below!**

### **EWRI Committee Meeting Thursday, March 18th @ 12:00pm**

Topic: Risk-Based Solutions for Hydraulic Modeling

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 future EWRI meeting notices!

#### **Speaker**

Chris Goodell, Kleinschmidt Group

The DEI meets regularly on the third Tuesday of every month.

**Check out their highlight of Women's History Month below!**

### **Sustainability Committee Meeting Wednesday, March 24 @ 12pm**

Topic: Meeting Low Impact Development (LID) Requirements through Infiltration

The presentation will cover meeting low impact development (LID) requirements through infiltration. This includes navigating Washington Ecology's drywell regulations, Green Infrastructure, deep infiltration design, Torrent MaxWell products, and case studies of local projects.

Attendees will receive 1 PDH for attending this webinar.

Speaker: Kathryn Thomason, PE, Water Sales Engineer at Oldcastle Infrastructure

[Register Here!](#)

## **Historic Civil Engineering Landmark Program**

The ASCE [Historic Civil Engineering Landmark Program](#) recognizes historically significant local, national, and international civil engineering projects, structures, and sites. There are six ASCE "National Historic Civil Engineering Landmarks" (or International Landmarks) in the Seattle Section geographic area that have been designated as part of the ASCE History & Heritage Program. One of them, the **Snoqualmie Falls Cavity Generating Station**, originally designated in 1981, received a new style plaque that contains information explaining why the facility is of historic significance. That updated plaque was delivered to the project owner, Puget Sound Energy, in 2018. They recently reported that it was installed on December 18<sup>th</sup> 2020 in the Upper Park near the main viewing platform. There is other interpretative information in that area as well.

### **SNOQUALMIE FALLS CAVITY GENERATING STATION 1899**

CIVIL ENGINEER CHARLES BAKER HARNESSSED SNOQUALMIE FALLS IN 1898, SEEING AN OPPORTUNITY IN THE 270-FOOT DROP TO USE THE ENERGY OF FALLING WATER TO GENERATE ELECTRICITY. THE WORLD'S FIRST COMPLETELY UNDERGROUND HYDROELECTRIC PLANT WAS BUILT IN SOLID ROCK, PROTECTING IT FROM THE DAMP ATMOSPHERE; A SHAFT WITH PENSTOCK DIVERTS WATER FROM ABOVE TO THE POWER PLANT AT THE BASE OF THE FALLS. THE PLANT WAS ONE OF THE FIRST TO DELIVER ALTERNATING CURRENT (AC) POWER OVER A LONG DISTANCE, DEMONSTRATING THE SUITABILITY OF THIS TECHNOLOGY.

## **Diversity, Equity + Inclusion Monthly**

The DEI Committee is kicking off a monthly share-out regarding relevant topics for the month at hand, beginning with:

### **March: Women's History Month**

March is Women's History Month, and the ASCE Seattle chapter would like to celebrate and acknowledge all the women in our industry. Notable women who have helped shape are industry include:

**Elsie Eaves** (1898 – 1983) was the first female associate member of ASCE. She earned her civil engineering degree at the University of Colorado at Boulder and worked at McGraw-Hill in New York City of the Engineering News Record (ENR) Department.



**Sarah Guppy** (1770 – 1852) was an English engineer and the first woman to patent a bridge in 1811. In addition to designing and patenting her own chain bridge, Guppy developed several other patents.



**Hattie Scott Peterson** (1913 – 1993) is believed to be the first African American woman to earn a degree in Civil Engineering. She graduated from Howard University and worked for the U.S. Geological Survey and later joined the U.S. Army Corps of Engineers.

If you are interested in learning more about women in the workplace, the national ASCE Diversity, Equity, and Inclusion web page has some exciting resources. Check out the following:

- [A Webinar on “Identifying and Addressing Subtle Biases in the Workplace”](#)
- [An article on “Inspiring Girls to Become Engineers”](#)
- [An article on “Why do so many women who study engineering leave the field”](#)

If you would like to get involved with the DEI committee, please email [diversity@seattleasce.org](mailto:diversity@seattleasce.org).

## Upcoming Volunteer Opportunities

### YMF Conference Coordinators

The Seattle YMF is looking for Conference Chairs! Every year, the Multi-Regional Leadership Conference (MRLC) is held throughout ASCE's Region 8 & 9, which includes the Western Regional Younger Member Council (WRYMC) and the Workshop for Student Chapter Leaders (WSCL).

The Seattle YMF is working towards putting a bid to host the MRLC in Seattle in 2024! While it may seem early, we are looking for Conference Chairs to organize and plan the conference events!

Please reach out to [ymf@seattleasce.org](mailto:ymf@seattleasce.org), [BobbieGilmour@kennedyjenks.com](mailto:BobbieGilmour@kennedyjenks.com), or [MackenzieCapaci@kennedyjenks.com](mailto:MackenzieCapaci@kennedyjenks.com)



### StormFest

**Who:** Stormfest is looking for environmental professionals to be part of a video series about jobs in this sector, viewed by 6th grade students. These could be CESCLs, Environmental or Civil Engineers, Maintenance, or others. In the short videos, the professionals will describe their job, what they like about it, and what skills they use in their job.

**What:** StormFest is a hands-on, outdoor stormwater and watershed science education program for sixth grade students in the Highline School District. The program was developed to teach students what stormwater is, how it harms water quality and habitats, and how to manage stormwater to protect fish and wildlife.

**When:** TBD. This upcoming Winter/Spring

**Where:** Virtual!

**Why:** This is a great opportunity to inspire and share your experiences with the next generation of Civil Engineers!

Please contact Nicki at [k12asce.seattle@gmail.com](mailto:k12asce.seattle@gmail.com) if you are interested.

# 2021-2022 ASCE Seattle Board Nominations

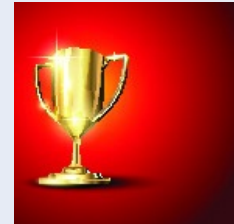
Have you been thinking about getting more involved in ASCE? Please consider joining the Seattle Section Board for the 2021-2022 year. We are a fun and energetic group that seeks to bring value to the ASCE Seattle Section membership. The Seattle Section is seeking nominations for 2021-2022 Board positions. Email past president [Henry Haselton](#) or current president [Homero Flores-Cervantes](#) if you are interested in any of the following positions:

1. President Elect
2. Secretary
3. Director of Standing Committees

**Nominations are due by March 20, 2021**

## ASCE Construction Institute Halpin Award for Scholarship in Construction Awarded!

Dr. Jessica Kaminsky, Ph.D., A.M.ASCE has been selected by the ASCE's Construction Institute to receive the 2021 Daniel W. Halpin Award for Scholarship in Construction for "outstanding scholarship in construction engineering and management, through groundbreaking research in the pursuit of equity for vulnerable populations around the globe through the construction of socially sustainable civil infrastructure."



You can learn more about her work in her [website](#) and [research page](#).

**Congratulations Dr. Kaminsky!**

## 2021 ASCE PNW Student Conference

The University of Washington ASCE Student Chapter will be hosting the 2021 Pacific Northwest ASCE Student Conference. This year's student conference will be held online and will take place from **April 15th to 17th, 2021**. The competitions taking place will include Concrete Canoe, Water Treatment (Environmental), UESI Surveying, Sustainable Solutions, Technical Paper (Daniel W. Mead), and Timber-Strong Design Build (TSDB).

To find more information about the conference, [please check out our website here](#).

Lastly, we would like to recognize our amazing sponsors for their generous donations. Thank you so much for helping to support the next generation of Civil Engineers!

The University of Washington Chapter is proud to be hosting this year and wishes everyone the best of luck!

# 2021 ASCE PACIFIC NORTHWEST STUDENT CONFERENCE

APRIL 15TH-17TH, 2021

## COMPETITIONS

Concrete Canoe  
Water Treatment (Environmental)  
UESI Surveying  
Sustainable Solutions  
Technical Paper (Daniel W. Mead)  
Timber-Strong Design Build (TSDB)

More information and  
updates at:  
<https://studentconferences.asce.org/pnw/>



Or contact us at  
[asce@uw.edu](mailto:asce@uw.edu)

## THANK YOU TO ALL OUR SPONSORS!



## AND TO ALL OUR DONORS!

David Peden, Pratistha Kansakar, Romulos Ragudos, Theodore Hanson,  
Henry Haselton, Dawson Stoops, Ari Asarch, and our anonymous donor.

## WAsafe Building Safety Evaluation Training

**What:** Offered as part of Washington State Building Officials' Annual Education Institute Virtual Training. Choose 1 day to satisfy WAsafe requirements. Typically an 8 hour in-person training, this is only the second virtual substitute that has occurred here in WA since March!

**When:** 8:30am - 4:30pm on 3/18

**Who:** Available to members and non-members of WABO alike

**How:** Register here: <https://www.wabo.org/2021-aei-summary-page--virtual>

**Cost:** \$175 for the 3/18 WAsafe Training

# Washington Safety Assessment of Facilities Evaluators Program (WAsafe): Building Safety Evaluations R Us

**INSTRUCTOR:** Jon Siu, PE, SE, ACO - Jon Siu Consulting  
Paul Brallier, SE - Structural Engineers of Washington (SEAW)  
Hoyt Jeter, PE - Clarity Consulting Engineers, PLLC  
Pat Beaulieu & Jeff Krieg - Seattle Department of Construction & Inspection (SDCI)

**LEVEL:** Beginning, Intermediate

**CODES RECOMMENDED:** ATC-20 Field Manual (minimum); ATC-45 Field Manual (optional). Available through Applied Technology Council (<https://store.atcouncil.org/>) or the WABO Bookstore

We're all familiar with natural disasters, but mostly from a distance. The Pacific Northwest has seen wildfires in recent years, but has not otherwise experienced a widespread damaging event for many years. WAsafe was formed to organize and train a cadre of construction industry professionals to provide assistance to local jurisdictions when they are called upon to determine whether buildings are safe enough to occupy.

This full-day course will cover the basics of building safety evaluations for a variety of hazards, based on building safety evaluation programs for earthquakes, windstorms and floods (ATC 20 and ATC 45), using examples from real events. The class will also cover response to landslides, fires, and other hazards. Students will also be introduced to the statewide process for volunteer emergency worker enrollment and dispatching being coordinated through WAsafe. Taking this course is one of the requirements for those who wish to enroll in the WAsafe program, or for those whose enrollments are expiring and want to renew.

This class is appropriate for any building department staff and design professionals, as well as newcomers to emergency response and those who just need a 5-year refresher. How prepared are you to respond to an emergency event in your community? This class will help you develop the knowledge and skills to prepare for and respond to a damaging event.

## Target Audience:

- |  |  |   |  |  |  |
|--|--|---|--|--|--|
| <input checked="" type="checkbox"/> Building Officials | <input checked="" type="checkbox"/> Inspectors | <input checked="" type="checkbox"/> Plans Examiners | <input checked="" type="checkbox"/> Permit Technicians | <input checked="" type="checkbox"/> Architects | <input type="checkbox"/> Fire Marshals |
| <input checked="" type="checkbox"/> Designers          | <input checked="" type="checkbox"/> Engineers  | <input checked="" type="checkbox"/> Contractors     | <input type="checkbox"/> Other Professions:            |  |  |

## Branch & Committee Volunteer Needs

### North Branch Board & YMF

The North Branch is currently looking for motivated individuals to be part of the North Branch Board starting from October 2020 until September 2021. We have the officer positions of **President, Vice President, and Secretary/Treasurer** open. The North Branch serves approximately 150 members in the counties of Whatcom, Skagit, San Juan, Island and Snohomish.

The 2020-2021 North Branch Board will help grow the Branch through member engagement and providing value to its members through events and communications such as membership meetings, email newsletters, and other means which the North Branch Board envisions as paths for growth to continue the momentum for the established Branch. The leadership positions will include the full support from the Seattle Section Board and its resources, leadership training opportunities for the new officers, and Society (ASCE National) level resources and contacts. Prior experience in ASCE leadership positions is not required. Please contact Tony Nguyen, Director of Branches, at [branches@seattleasce.org](mailto:branches@seattleasce.org) for more information.

The North Branch is also seeking YMF volunteers to continue to maintain and grow it's YMF. Please contact Mark Rose, North Branch YMF President, at [mrose@geoengineers.com](mailto:mrose@geoengineers.com) for more information.

### Legislative Committee

If you are interested in joining the [Legislative Affairs Committee](#), please reach out to [legislative@seattleasce.org](mailto:legislative@seattleasce.org).

ASCE Seattle Section is searching for volunteers to assist with the Legislative Affairs Committee. The level of Involvement can vary and can include providing engineering judgement on current legislative issues to assisting with lobbying. The committee is interested in a Legislative Drive-In to Olympia during the 2020 WA State Legislative Session.

The Legislative Committee functions in the political arena with focus on federal, state, county or other governmental issues that are of interest to the civil engineering profession; such as university engineering budget considerations, issues that affect the practice of or employment of civil engineers, and environmental issues of significance to the profession. The committee reviews proposed legislation and comments on it with regards to its effect on the civil engineering profession and may also be called upon to testify at Legislative hearings or for other governmental committees. It is also responsible for disseminating information from the Architects and Engineers Legislative Council (AELC) pertaining to state legislation. The committee typically sends at least one representative to the Society's annual Legislative Fly-In in Washington D.C.



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JOIN OUR GROUP!



## ASCE Seattle Job Board

### Current Job Openings:



#### Transportation and Development Manager | City of Richland

Posted: 12/18/2020

**SALARY:** \$91,083 - \$127,546 Annually, DOQ

**OPENING DATE:** 12/18/20

**CLOSING DATE:** Continuous

**GENERAL SUMMARY:**

Performs difficult administrative work planning, organizing, and coordinating the activities of assigned divisions, and related work as apparent or assigned. Work is performed under the general direction of the Public Works Director. Divisional supervision is exercised over assigned personnel.

[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.

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

### **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!

