

**March 2019**

**March Joint ASCE Seattle Section & SEAW  
Dinner Meeting**

**The M9 Project: Predicted  
Structural Response to M9  
Cascadia Ground Motions**

**Hotel Monaco**  
1101 Fourth Avenue  
Seattle, WA 98101

5:00pm Social Hour  
6:00pm Dinner  
7:00pm Program

**Wednesday, March 26**

We all know the Puget Sound region can be subject to very large earthquakes. We have heard the predictions for many years. The M9 Project is a 6-year, interdisciplinary research project at the University of Washington, that was developed to investigate the impacts of a Magnitude 9 Cascadia Subduction Zone earthquake on the Pacific Northwest. Researchers have used physics-based computational ground motion simulation to produce regional predictions of ground shaking that include the effects of the deep sedimentary basins that are present in major urban areas.

Benefits and knowledge our members can expect to take away from the presentation:

- A fundamental understanding of basin amplification of strong motion.
- The particular impact that basin amplification has on the Cascadia Subduction Zone ground motions.
- The corresponding consequences for building structures in Seattle.

**Speakers:**

**Jeffrey Berman, Ph.D., University of Washington**  
**Marc Eberhard, Ph.D., University of Washington**

\$45 (\$40 early bird) for Members

\$50 for Non-Members & Guests

\$35 (\$30 early bird) for YMG

\$15 for students

Early Bird Registration  
ends after March 22

[Click Here to Register](#)



ASCE Seattle needs your valuable feedback! Please complete the survey about our Section at the link below **TODAY**. Your answers will help direct the Seattle Section Board with planning future programming and communications.

The survey should take you less than 10 minutes to complete.

Thank you for your continued contributions and involvement in the Seattle Section, your input is greatly appreciated.

[Take the Survey Now!](#)

**March President's Column**

By Eset Alemu, PE, CFM, Seattle Section President



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APRIL 2019  
NEWSLETTER  
CONTENT DEADLINE:  
March 20, 2019

After all the snow and ensuing excitement of February, I am sure you are all ready for Spring and warmer temperatures. February marked Engineers Week with the annual celebration of excellence in engineering by the Puget Sound Engineering Council Awards dinner. ASCE had four members that received recognition for their work in the public sector, academia and K-12 education. As the awardees accepted their prizes, I was struck by a common thread that was echoed in all their acceptance speeches. The recurrent message was the significant role of mentors in helping them realize their professional goals. It made me reflect on the mentorship I received early in my career, that helped me to discover a niche in water resources planning and got me on a path to my current position.

Mentoring is a unique opportunity to cultivate talent in employees, students and engineering professionals of all disciplines. It rewards both mentor and mentee through exchange and transfer of knowledge, building relationships and sharing of perspectives and passions. Civil engineering professionals at any stages of their career can benefit from partnerships with younger or older professionals to learn more about the industry, new technologies, and different career paths. For young engineers entering the profession, mentorship relationships are not only a pathway to building technical skills but also to gain soft skills to better communicate, manage workload, learn about the organization. For mentors, it provides an opportunity to share knowledge and expertise, gain fresh perspectives and influence the next generation of engineering leaders.

ASCE is an organization that believes in the power of mentoring and harnesses it at all levels from K-12 outreach, university sections to younger members forums. In addition to the opportunities and resources at Section levels, ASCE National also provided mentoring partnerships across the nation provided through its [ASCE Mentor Match](#) program. This program allows members to connect with different professionals across the nation and provides a platform for mentors and mentees to get matched with partners based on interest, engineering discipline, and geographic location.

I encourage you to reflect on some of the guidance you received from a mentor in your journey in becoming a civil engineer and some of the lessons you learned that you can impart to a younger professional or peer. These are the values that help us build a thriving profession and develop future leaders within our industry.

**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!

## YMF Popsicle Stick Bridge Rescheduled

POPSICLE STICK BRIDGE, fondly referred to as PSB, will be held at the **Museum of Flight** on the morning of March 11th. This is one of the YMF's largest events, and our largest K-12 outreach event all year. Plus all volunteers get access to the museum's exhibits.

The YMF is looking for volunteers to help plan the event as well as for the day of event.

If you would like to help, please plan to attend the volunteer meeting March 11th at KPFF from 5:30-7:00pm. We will discuss roles and expectations for the event.

[Register to Volunteer](#)

If you have any additional questions regarding the volunteer positions, please email [seattle.asce.ymf@gmail.com](mailto:seattle.asce.ymf@gmail.com) with subject line "PSB Volunteering."

## Urban Development & Transportation Technical Subcommittee

Link Light Rail, rezoning, density, NACTO, urbanism, cranes; all words describing our changing region, but what does this mean to Civil Engineering? To facilitate the successful restart of UD&T Subcommittee, co-chairs Mike Bjork and Patricia Bennett will be hosting an open-table, drop-in discussion to help figure out how we Civil Engineers can answer these questions and determine what topics people are interested in hearing at future UD&T meetings. We'll be meeting on March 13<sup>th</sup> at 5:30pm to 7:00pm in Assembly Hall, which provides a wide variety of food and beverage options for all.

### Assembly Hall

2121 6th Avenue  
Seattle, WA 98121

<https://www.assemblyhallseattle.com/>

## YMF March Volunteer Opportunities

### Clover Park STEM Fair | Saturday, March 2 | Harrison Prep Academy, Lakewood

9:00am - 2:00pm

Come help inspire K-12 students about STEM and specifically Civil Engineering! We need at least 3 volunteers to table hands on engineering activities. Partial volunteer shifts are okay too. Carpooling options to be coordinated.

Contact [Katarina](#) with any questions or to sign up!

### Beacon Food Forest | Saturday, March 16

10:00am - 1:00pm

Join YMF and the Beacon Food Forest to celebrate the approach of Spring with some outdoor garden work! We will be meeting at the Beacon Food Forest (at the gathering plaza at the top of the hill near S Dakota St) to help at one of their monthly work parties on Saturday, March 16 from 10am - 1pm.

As we will be working on maintaining and expanding their public veggie garden and edible landscape as well as soil building and construction of walls, dress accordingly (closed-toed shoes, clothes to get dirty in, and rain jacket in case of rain!). Feel free to bring a change of clothes for food/drinks afterwards!

If you are interested or have further questions, please email [Shirley](#).

### Expanding Your Horizons | Tuesday, March 19

9:00am - 2:00pm

Volunteer at this national conference to inspire girls grades 8-12 to pursue careers in STEM! We need at least 2 volunteers to table. Carpooling options to be coordinated.

Contact Katarina Kubiniec at [kubinkat@gmail.com](mailto:kubinkat@gmail.com) with questions or to sign up.

### STEM Exploration Night | Wednesday, March 27 | Federal Way High School

5:00pm - 9:00pm

Come help inspire high school students about STEM and specifically Civil Engineering! We need at least 3 volunteers to table hands on engineering activities. Partial volunteer shifts are okay too. Carpooling options to be coordinated.

Email Katarina at [kubinkat@gmail.com](mailto:kubinkat@gmail.com) with questions or to sign up.

## Call for 2019-2020 ASCE Seattle Officer Nominations Due March 20!

**Deadline for Nominations:** March 20, 2019

Have you been thinking about getting more involved in ASCE? Please consider joining the Seattle Section Board. 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 2019-2020 Board positions. The election will be held in April/May 2019 and terms will begin in October 2019.

Our open positions include:

**President Elect:** The term includes one-year each as President Elect, then President, and Immediate Past President (for a total of 3 years). The President Elect serves as President in the absence of the President and also serves as Membership Chair. The President Elect also attends and acts as the Section's Delegate to the Presidents and Governors Forum generally held in September at ASCE Headquarters and the Workshop for Section and Branch Leaders (WSBL) generally held in January or February. The President Elect also attends the Spring Region 8 Assembly, which is generally held immediately prior to the WSBL.

**Secretary:** The Secretary has an important role in the operations of the Section. The Secretary is responsible for keeping the Section's records, helping with coordination between the many committees and groups of the Section, keeping board meeting minutes, and counting the ballots from the Section's elections. The term of office is 2 years.

**Director of Technical Committees:** This is a 3-year term with responsibilities including making recommendations to the President regarding members who may be willing to serve as chairs, providing training, guidance, and/or assistance to committee leaders, act as committee advocate to the Board, and encourage committee activities that will foster ASCE goals and enhance member activities. Examples of committees that the Director of Technical Committees oversees are Water Resources, Geotechnical Institute, SEAW, and more. Specific duties include preparing a monthly report, participating in monthly Board meetings, and working closely with various committee chairs.

If you are interested in being nominated, would like to nominate someone, or to learn more please contact [diana@hasegan.com](mailto:diana@hasegan.com) or (425) 451-4009. The deadline for nominations is March 20, 2019. I hope you will consider becoming actively involved in the Seattle Section because even a small amount of time can make a difference in what you and other members get out of ASCE. Member participation is key in continuing to bring you programs, training, community outreach opportunities, and more.

## ASCE Seattle Student Scholarships Apply by April 20!

### [R. H. Thomson Scholarship](#)

The R. H. Thomson Memorial Scholarship is an annual scholarship awarded by the Seattle Section each year to honor the accomplishments of R.H. Thomson. The application must be postmarked by April 20, 2019 and announcement of the recipient will be made by June 30th. The scholarship in the amount of five-thousand dollars (\$5,000) will be awarded for the 2019-2020 school year. The disbursement could be in one year or in four years, depending on the recipient's college career schedule. The aim of the scholarship program is to encourage students to pursue a course of study leading to a Bachelor or a Master of Science degree in Civil Engineering or one of the specialties within the Civil Engineering discipline. It also strives to honor R. H. Thomson, a civil engineer who had a profound and lasting impact on Seattle's infrastructure.

For more information please read the [application](#).

### [Richard Williamson Jones Scholarship](#)

The Richard Williamson Jones Memorial Scholarship was established by his wife, Kathie, because Richard often commented that when he was a student, he would have been much better off if he had just had a little more money for books and supplies. The scholarship continues through Kathie Jones' estate.

Richard Jones was a civil engineer and a member of the Seattle Section of ASCE, when he died in an airplane crash at the age of 53. He was a graduate of the University of Washington and was admitted as a Member of the Society in 1949 and as a Fellow in 1959. Mr. Jones joined General Construction Company in 1933 where he worked on many projects in the Seattle and Portland area, including the Bonneville Dam and as Chief Engineer on the Hungry Horse Dam. At the time of his death, he was Executive Vice President of General Construction Company.

The maximum scholarship amount distributed annually is \$2,000. The deadline for the next award is April 20, 2019. For more information please read the [application](#) or contact Diana Hasegan at [diana@hasegan.com](mailto:diana@hasegan.com) or (425) 516-7626.



## Upcoming ASCE Seattle Events

Never miss a Seattle Section event, link our calendar to your Outlook today!

Have you seen our new event calendar? [Click here](#) to see what exciting events we have planned!

The best way to stay up to date on Seattle Section happenings is to **add our calendar to your Outlook** or other email manager. All you have to do is [click here](#) to download a .ics file that you can open and add to your own calendar.

## Legislative Committee Volunteer Opportunity

### Legislative Committee

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 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.

Please contact the Legislative Chair [Mark Koelling](#) for more information.

### Current Job Openings

- Project Engineer - Port of Bellingham
- Engineer III - Development - Whatcom County Public Works
- Water Resources Engineer - Mead & Hunt

[Click to View Job Descriptions & Apply!](#)

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