



# SEATTLE SECTION NEWSLETTER

February 2017  
Volume 52 No. 6

## Section Officers

October 1, 2016 – September 30, 2017

### SEATTLE SECTION OFFICERS

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### WEBMASTER

Eric Knigge  
seattleasce@yahoo.com

## ASCE Seattle Section and Geotechnical Group Joint Meeting

Thursday, February 23, 2017  
5:30 p.m. – 9:00 p.m.

**Place:** Red Lion Hotel Bellevue, 11211 Main St, Bellevue, WA 98004

**Cost:** Early Bird Rates end Friday, February 17 at 5 pm

\$45 (\$40 early bird) for General Admission  
\$20 (\$20 early bird) for students, non-reimbursed public employees / unemployed members

[Click here to register.](#)

For assistance with online registration, please contact Stephen Johnson at [stephen.johnson@sixense-group.com](mailto:stephen.johnson@sixense-group.com)

Direct questions or comments regarding meetings to Section President Kelli Dean at [seattleascepresident@gmail.com](mailto:seattleascepresident@gmail.com)

## Topic: Norway's Submerged Floating Tunnel Concept and Design

*Presented by: Tale Egeberg Aasland, Bridge Engineer with Norway Public Works, PhD Candidate in hydrodynamics with the Norwegian University of Science and Technology.*

If you want to drive the 680 miles from Norway's bustling southern port of Kristiansand to Trondheim in the north, be ready to spend 21 hours in the car. That's an average of 30 miles per hour, and you have the country's signature geological features to thank. The route along highway E39, crosses eight gorgeous but inconvenient fjords, and that means eight ferry trips.

Now, a \$25 billion infrastructure project promises to cut the trip to just 10.5 hours, by installing permanent crossings across those fjords by 2035. Because many of these waterways are wide and the largest is nearly a mile deep, a typical bridge won't do. Norway is considering fording its fjords with something the world has never seen before: a submerged floating bridge.

See [February Meeting](#) on page 3

## President's Column

By Kelli Dean, PE, M. ASCE, Seattle Section President

### What's happening at the National Level

Volunteers are gearing up for the important legislative fly-in happening in mid-March. The intention for this action is educational and a way to provide technical resources for legislators. The Key Contact Program is intended to connect people: ASCE member engineers with lawmakers. ASCE members get to have face-to-face meetings, which encourages relationship-building and networking. ASCE members get a chance to inform the public process where public transportation and water resources policy and funding are being developed and executed. This exercise provides communications training and an opportunity to share issues we care about with each other and with elected staff. A bonus of this outreach event is getting to participate in a Congressional Visit on Capitol Hill where volunteers meet with legislative staff and elected officials.



The Goals for 2017 include advocacy at the national level by learning and discussing the National and State level report cards. This year Water Resources scores in D level (Dams, Levees, Ports and Harbors, Inland Waterways).

The 4 Asks of Law Makers this year is focused on the WRRDA (Water Resources Reform and Development Act)

1. Fully Fund the National Dam Safety Program at \$13.9 million, which provides grants to improve dam safety programs primarily.
2. Fully Fund the Levee Safety Initiative at \$79 million/year. Funds used primarily to develop and implement consistent safety standards.
3. Fully Fund the Harbor Maintenance Trust Fund at \$1.25 million/year. (Ask for full distribution of collected funds.)
4. Fully Fund the Water Infrastructure Finance Initiative Act at \$25 million/year. These funds are TIFIA related and aid the development of low-interest grants available through EPA and Army Corps of Engineers.

At the National Fly-In, ASCE Staff provide a briefing on issues with details for reference when volunteers have conversations. Data on funding levels for core programs are provided at the check in. Everyone from the same state shares representatives and are grouped at check-in. For more information visit: [http://www.asce.org/legislative\\_fly-in/](http://www.asce.org/legislative_fly-in/)

The next newsletter deadline is:  
5:00 p.m.  
Monday, February 20, 2017

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Send Materials to Newsletter Editor:  
**Todd Crandell**  
[seattleASCEnews@gmail.com](mailto:seattleASCEnews@gmail.com)  
Phone: (206) 459-2250

### CHANGE OF ADDRESS:

All changes to your address (including your newsletter e-mail address) should be provided to ASCE at [www.asce.org](http://www.asce.org) or: 1801 Alexander Bell Drive, Reston, VA 20191-4400.

The Seattle Section will receive your updated information from ASCE.

### AMERICAN SOCIETY OF CIVIL ENGINEERS, SEATTLE SECTION

<http://www.seattleasce.org>

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### ASCE SEATTLE SECTION NEWSLETTER ADVERTISING RATES

#### Employment Ads:

\$75 for one month on web site and in the newsletter; \$50 per month for subsequent months

#### Display Ads:

Costs are for one year (10 issues):  
Business Card size \$100  
Quarter page \$250  
Half Page \$500  
Full Page \$1,000

To place an ad or for more information, contact the editor at [seattleASCEnews@gmail.com](mailto:seattleASCEnews@gmail.com).

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**February Meeting** (continued from page 1)

The Norwegian Public Roads Administration (NPRA) has been commissioned by the Norwegian Ministry of Transport and Communications to develop plans for a ferry-free coastal highway E39 between Kristiansand and Trondheim. Along this route are a total of eight ferry connections, several of which are too wide and deep to be crossed with conventional bridge or tunnel technology. For some of these fjords, a floating submerged tube bridge (SFTB), also called Archimedes Bridge or Submerged Floating Tunnel, could be an alternative. An SFTB concept for the Bjørnafjord crossing has been developed by a consortium consist-

ing of the companies Dr Techn Olav Olsen, Norconsult, Reinertsen, and others. The SFTB was one of three main concepts, the two others being floating bridges. Two SFTB designs were developed. They are in essence the same, apart from the station keeping system. One alternative uses tension leg mooring to the seabed, whereas the other is vertically stabilized by means of floating concrete pontoons. The presentation will go through the design philosophy, including environmental and geological conditions, the main challenges related to structural design, as well as challenges related to existing rules and regulations, and some safety aspects of SFTBs.

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## **Call for Entries: Local Outstanding Civil Engineering Achievement (LOCEA) Award**

**By Evan Sheesley, PE, ENV SP, M. ASCE, Seattle Section Immediate Past President**

Did you complete an innovative project in 2016 that represents the best of civil engineering? Then apply for a Local Outstanding Civil Engineering Achievement (LOCEA) Award! The LOCEA Awards recognize projects that have improved the quality of life and contributed to the economic development of the local community, area, or region. These projects represent the successful combination of multiple engineering

objectives, including design innovation and excellence, environmental sustainability, cost effectiveness, the effective use of materials, and aesthetics. Each year, the Seattle Section recognizes the award winners at a formal presentation in June. For application information, see the flyer included in this newsletter and our website, [www.seattleasce.org/awards/awards.php](http://www.seattleasce.org/awards/awards.php). Applications are due **March 10, 2017**.

## **Reach over 2,000 Engineering Professionals**

**Post Your Employment Ad in this Newsletter  
and on the Seattle Section Web Site**

**See advertising details  
on page 2**

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## Employment Notices

To post an employment notice in the newsletter and on the Section's web site, please contact the [newsletter editor](#) in advance of the monthly deadline (the 20th of the month). Rates for advertising are shown on page 2.

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### Project Manager

Performs civil engineering work in planning, design, and construction of municipal capital projects. Serves as a lead engineer for assigned projects and performs project management responsibilities including coordinating and/or directing the work of consultants, city project team members, other city departments, outside agencies as well as other external stakeholders such as franchise utilities and private developers.

Requires: Bachelor's in civil engineer or related field such as construction management; or 3 years related experience.

Apply online at <http://marysvillewa.gov>.

Follow the Job Opportunities link.

EOE/AA

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### ASSISTANT PUBLIC WORKS DIRECTOR

City of Fife, Washington  
Salary: \$90,737 - \$124,318

For a complete position profile, please visit the Prothman Company at <http://www.prothman.com/> and click on "Current Searches."

The City of Fife (pop. approx. 9,600) sits in the shadow of magnificent Mount Rainier in Pierce County, Washington. With Tacoma to the west and Seattle a few miles to the north, its ideal location offers a wide variety of cultural and entertainment opportunities within a relatively short drive. Fife is also central to many outdoor recreation destinations, including Mount Rainier, the Olympic and Cascade Mountains, Puget Sound, and the Pacific Coast.

The City of Fife Public Works Department employs 22.5 FTE's and is divided into two divisions. The Operations & Maintenance division is overseen by a superintendent, and the Engineering & Capital Project

Management division is overseen by the City Engineer. The department's \$24 million budget is split into seven budget units: sewer collection, water distribution, stormwater, streets, facilities, fleet, and engineering.

Under the direction of the Public Works Director, the Assistant Public Works Director plans, organizes, reviews and approves a variety of engineering plans, construction specifications and permits for various engineering and public works projects, and prepares contracts with consultant engineering firms for various engineering and public works projects for the Director's review. The Assistant Director is also responsible for advertising construction plans, reviewing submitted bids and recommending awards, inspecting construction sites for compliance, the review and research of traffic and transportation issues, and all other related projects. The Assistant Public Works Director manages the department's activities in the absence of the Public Works Director.

A bachelor's degree in Civil Engineering with a PE license is preferred. Candidates with a master's degree in Capital Project Management will also be competitive. Candidates should have a minimum of five years of progressive experience in public works operations and capital project management, including oversight responsibility for public works field crews and direct experience working with consultants and contractors. Candidates may possess any combination of relevant education and experience that demonstrates their ability to perform the essential duties and responsibilities.

The City of Fife is an equal opportunity employer. First review: February 19, 2017 (open until filled). To apply online, visit Prothman at <http://www.prothman.com/> and click on "Submit Your Application" and follow the directions provided. Application materials will only be accepted electronically via the website. For questions, please call 206-368-0050.



## King County

### Wastewater Construction Management Supervisor

Award-winning King County Wastewater Treatment Division (WTD) seeks a Wastewater Construction Management Supervisor. This position is assigned to the Project Planning and Delivery Section of the Wastewater Treatment Division. Reporting to the Construction Unit Manager, the Wastewater Construction Management Supervisor plans, organizes, supervises, and administers construction management and inspection programs for assigned Public Works contracts, in addition to supervising construction management staff that administer, inspect, and manage construction projects. The ideal candidate will have the ability to effectively build construction management teams to manage the construction of a number of projects simultaneously. In addition to experience in conflict management and managing diversity, the ideal candidate will possess excellent functional, technical, organizational, and planning skills. A bachelor's degree in engineering, construction management, or a closely related field (directly relevant experience and knowledge of public sector construction project processes may substitute for the bachelor's degree on a year for year basis), as well as 4 years of increasingly responsible experience in construction management field inspection including 1 year of experience in supervising staff or the equivalent combination of experience. Experience in wastewater conveyance, pump station, and treatment plant process design or construction as well as in preparing contract documents and administering public sector contracts is highly desirable.

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The annual salary range is \$102,066 – \$129,376 DOQ; an excellent benefits package is also provided. Interested candidates should submit a cover letter, resume, and salary history to [apply@ralphandersen.com](mailto:apply@ralphandersen.com). Review of resumes will begin the week of January 23, 2017. Detailed brochure available at [www.ralphandersen.com](http://www.ralphandersen.com). Confidential inquiries welcomed to Heather Renschler at 916-630-4900.



**Open position:** Project to Senior Level Geotechnical/Geostructural Engineer

**Location:** Bellevue, WA

**Position type:** Regular Full-Time

**Education:** Masters Degree in Civil Engineering (or Geological Engineering) with a Specialty in Geotechnical Engineering

C. W. Felice, LLC has an open position for a geotechnical/geostructural engineer with

10 plus years of experience. Specific qualifications for the position are:

- Currently registered as a PE in the State of Washington.
- Strong verbal and written communication skills.
- The ability to work independently with limited direction.
- Perform and clearly document engineering analysis and designs that will include slope stability, shallow and deep foundations, temporary support of excavation, and a variety of retaining walls systems.
- Familiarity and working knowledge of typical design software packages.

The candidate will be expected to work as part of an integrated team alongside planners, roadway engineers, environmental scientists and senior management. Work assignments will include feasibility analysis, preliminary design, and construction oversight. Specific experience in contract management and the design build method of contract delivery is desirable.

C. W. Felice, LLC is an equal opportunity employer and does not discriminate on the basis of age, race, gender, religion, color, sex, national origin, marital status, genetic information, sexual orientation, pregnancy status, physical or mental disability, veteran status or other status protected by law. In compliance with the Immigration Reform and Control Act of 1986, we will hire only U.S. citizens and aliens lawfully authorized to work in the United States (if the position is or will be one which is subject to U.S. law). We will provide reasonable accommodation for qualified individual with a disability where appropriate.

C. W. Felice, LLC offers an excellent compensation and benefits package including medical, dental, vision, insurance, retirement plan, and paid holidays. For more information on C. W. Felice, LLC please visit our web site at [www.cwfelicellc.com](http://www.cwfelicellc.com).

Interested candidates should contact:

Contact: Conrad W. Felice

Phone: 425-753-3316

Email: [conrad.felice@cwfelicellc.com](mailto:conrad.felice@cwfelicellc.com)

## Upcoming Events

► **Saturday February 4th – Popsicle Stick Bridge Competition** at Museum of Flight. For more information see: <http://www.museumofflight.org/Plan-Your-Visit/Calendar-of-Events/3281/popsicle-stick-bridge-contest>.

► **Saturday February 11th – Puget Sound Engineering Council Awards Dinner** located at the Museum of Flight. Multiple award winners from the Seattle Section will be honored. To register, visit <https://www.eventbrite.com/e/2017-psec-engineering-awards-banquet-tickets-30018014690>.

► **Friday February 17th – ASCE Public Relations and Government Relations In-Person Training.** [http://seattleasce.org/Events\\_detailed.php#feb17public](http://seattleasce.org/Events_detailed.php#feb17public)

► **Friday night, February 17th – Premier of the Dream Big film** at Pacific Science Center in Seattle.

For more information see: <https://www.pacificsciencecenter.org/imax/>

About the film: *Dream Big: Engineering Our World* is a first-of-its-kind film for IMAX® and giant screen theatres that will transform how we think about engineering. From the world's tallest building to underwater robots and a solar car race across Australia, *Dream Big* celebrates the human ingenuity behind engineering marvels big and small, and reveals the heart that drives engineers to create better lives for people around the world. Watch the trailer and learn more at [dreambigfilm.org](http://dreambigfilm.org).

► **February 18th, 19th and 20th Engineer It! Weekend.** Pacific Science Center kicks off National Engineers Week with a three-day celebration of engineering and the role that local innovation plays in our daily lives. Engineer It! Weekend is an event dedicated to connecting professional engineers and

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surveyors with kids and families through hands-on exploration of the machines, ideas, and people that design, move, and power our society. From robotics and electronics to construction and bio-tech, Engineer It! will showcase the innovation and creative problem-solving that the Pacific Northwest is known for.

This activity is included with admission to Pacific Science Center exhibits.

**Note: As part of the festival, ASCE Seattle will be hosting a fun and interactive booth. If you're interested in volunteering please contact Brad Strandquist ([bstrandquist@mka.com](mailto:bstrandquist@mka.com)) indicating the**

**day(s) and time of day (morning / afternoon) that you're available.**

*Field Trips:* To schedule a field trip, call (206) 443-2925 Monday - Friday from 8:30 a.m. - 4:30 p.m. at least two weeks prior to the desired visit date. We will contact you within two business days of your call to set up your field trip. The film is scheduled to run through the August 2017.

► **Thursday February 23rd** - Joint Meeting with Geotech in Bellevue. (See page 1 of this newsletter for more information.)

## Call for 2017–2018 Officer Nominations

By Evan Sheesley, PE, ENV SP, M. ASCE, Seattle Section Immediate Past President

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 2017–2018 Board positions. The election will be held in April/May 2017 and terms will begin in October 2017. 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 Branches:** This is a 3-year term with responsibilities including working with Branches to ensure full participation, providing training, guidance, and/or assistance to Branch leaders, act as Branch advocate to the Board, and encourage Branch activities that will foster ASCE goals and enhance member activities. The Seattle Section has two Branches, the North Branch and Kitsap Branch that function as subsidiary organizations of the Section.

If you are interested in being nominated, would like to nominate someone, or to learn more please contact [evan.sheesley@abam.com](mailto:evan.sheesley@abam.com) or (206) 431-2352. The deadline for nominations is **March 31, 2017**.

I hope you will consider becoming actively involved in the Seattle Section. 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.

# Puget Sound Engineering Council Coordinates Engineers Week Activities

By W. Paul Grant, P.E., M.ASCE, ASCE PSEC Representative

Founded in 1951 by the National Society of Professional Engineers, Engineers Week is celebrated annually by thousands of engineers, engineering students, teachers, and leaders in government and business. In 1988, the National Engineers Week consortium expanded its scope and now includes more than 100 engineering, scientific, and education societies and major corporations dedicated to promoting pre-college interest in math and science, and engineering as a career option. The Foundation also works to enhance the public understanding of engineering.

Traditionally, Engineers Week falls on the week of George Washington's Birthday. President Washington was the first military engineer and land surveyor, and is considered the father of the American engineering profession.

The purpose of Engineers Week is to highlight our profession to our community, to honor significant achievements of our members, and to note the importance of our profession in the quality of life that our community enjoys.

The Puget Sound Engineering Council (PSEC) is an umbrella organization for over 20 engineering organizations in the region, including ASCE. PSEC's involvement with Engineer's Week has included hosting an engineering fair for K-12 outreach and an Engineering Awards Banquet to honor outstanding engineers and STEM educators in the region. While Engineers Week will official start on February 19th, the PSEC events are typically held in advance of Engineers Week to increase participation because of school holidays. The following highlights some of the planned activities for Engineers Week and the Seattle Section's participation in these events.

## Engineering Fair – February 4th

As an early start to Engineer's Week, the Engineering Fair will be held **Saturday, February 4th** from 10 am to 4 pm at the Museum of Flight at 9404 East Marginal Way South. The event, which will be free and open to the public, will be hosted by PSEC with participation from over 25 professional engineering societies and local colleges and universities. Each participating entity will staff booths with volunteers with interactive displays, posters, handouts, models, with the emphasis on hands on engineering experience that will inspire students to pursue studies in math, science and engineering.



ASCE will have a display booth at the fair again this year and the booth will be staffed by volunteers from the Section. Our display will include interactive activities such as building structures with gumdrops and toothpicks or straws and paperclips. The volunteers from past years had a great time and enjoyed interacting with the students.

In addition to the Section's display booth, the Younger Member Forum (YMF) hosts the Popsicle-Stick Bridge (PSB) Competition at the fair in which over 20 teams of students from regional schools compete in various categories to see who builds the strongest bridge or which team can most accurately predict the maximum load carried by their bridge. This is a great and must see event that showcases the talents of the competing teams as well as the organization and enthusiasm of the YMF in orchestrating the event! For more information about the Fair visit PSEC's website at [www.pseconline.org](http://www.pseconline.org).



Student teams enter their bridges in the PSB competition and the entries are judged on various categories from aesthetics to load capacity.

## Engineer's Award Banquet – February 11

The 59th Annual PSEC Awards Banquet will be held Saturday, February 11th, at 6:00 pm at the Museum of Flight. This is a unique opportunity to celebrate the profession of engineering and to recognize the extraordinary achievements of our colleagues.

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This year's keynote presentation will be provided by Chancellor Bjong Wolf Yeigh with the University of Washington Bothell. Chancellor Yeigh's presentation will be on "Lies, Damn Lies and Analytics?"

*This year the Seattle Section is extremely fortunate in that all of our nominees will receive awards at the banquet!* Honorees for the evening will include the 2017 PSEC Academic Engineer of the Year, Government Engineer of the Year (WSPE), Professional Engineer of the Year, Young Engineer of the Year, and also the Kenneth W. Porter Award (engineering outreach) and the K-12 STEM Engineering Teacher of the Year. This year, ASCE members and their nominees will receive the following awards:

*Academic Engineer of the Year*

H. David Stensel, P.E., PhD, M. ASCE  
Professor Emeritus  
Department of Civil and Environmental  
Engineering  
University of Washington

*Government Engineer of the Year*

R. Alan Murray, P.E., M. ASCE  
Engineer III  
Department of Planning and Development  
Snohomish County

*Professional Engineer of the Year*

J. Mark D'Amato, P.E., M. ASCE, M. SEAW  
Founding Principal  
DCI Engineers

*Young Engineer of the Year*

Don Nguyen, P.E., S.E., M. ASCE  
Junior Bridge Engineer  
COWI North America

*Kenneth W. Porter Award*

Eset Alemu, P.E., CFM, M. ASCE  
Project Engineer  
Seattle Public Utilities

*K-12 STEM Engineering Teacher of the Year*

Noah Crofoot, B.S., M.T.  
Physics and AP Physics Educator  
Lynnwood High School  
Lynnwood WA

Please join us at the banquet to honor the awards winners. For more information on the banquet and a link to the registration page, visit <https://www.eventbrite.com/e/2017-psec-engineering-awards-banquet-tickets-30018014690>.

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## Richard Williamson Jones Scholarship

By Evan Sheesley, PE, ENV SP, M. ASCE, Seattle Section Immediate Past President

The Seattle Section is seeking applicants for the Richard William Jones Memorial Scholarship. The 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 **February 28, 2017**. For more information please [read the application](#) or contact Evan Sheesley at [evan.sheesley@abam.com](mailto:evan.sheesley@abam.com) or (206) 431-2352.



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## Pacific Northwest Water Resources Info-X

Friday, February 17, 1:00 PM - 5:00 PM

Seattle Airport Marriott Hotel  
Evergreen Meeting Room  
3201 South 176th Street  
Seattle, WA 98188

There is no fee to attend

Please join us for an information exchange that will include municipal, private, and non-profit representation discussing topics such as water resources management for salmon recovery, urban floodplain management, climate change, large- and small-scale green infrastructure implementation, data-driven regional planning and tools, and next generation challenges to meeting regulatory requirements.

For information and to RSVP visit [tinyurl.com/PACIFIC-NORTHWEST-WATER-RESOUR](http://tinyurl.com/PACIFIC-NORTHWEST-WATER-RESOUR)



**ENVIRONMENTAL &  
WATER RESOURCES  
INSTITUTE**

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### Agenda

- 1:00 PM - 1:20 PM**      **Opening Session and Welcome**
- 1:20 PM - 2:30 PM**      **Session 1: Invited Speakers on Integrated Water Resources Management**  
*Invited speakers to present Integration of Water Resources to achieve Water Quality Compliance, Fish Habitat and Passage, and Community Benefits.*
- 2:30 PM - 3:00 PM**      **Networking Break**
- 3:00 PM - 4:10 PM**      **Session 2: Technology, Environment, Design, and Policy (TEDP) Presentations**  
*Planned similarly to TEDx talks and planned to leverage local and national participants. Presentations will be brief but intended to be thought provoking to spread ideas on environmental approaches, technology, outreach, and policy within Pacific Northwest communities and beyond. Group questions and discussion will follow.*
- 4:10 PM - 4:30 PM**      **Moderated Group Discussion and Questions**
- 

## University Mentor Night—Help Needed

**North Seattle College**  
**Thursday, March 2, 2017 6:00 to 8:00 pm**  
**College Center Building - 1st Floor Cafeteria**  
**9600 College Way North, Seattle, WA 98103**

If you are interested in being a mentor for a night for college students, the Puget Sound Engineering Council (PSEC) needs your help!

The purpose of the mentor night activity has been to bring as many practicing engineers together with as many students as possible. We are trying to inspire the students, most of whom are freshmen and sophomores as well as high school seniors, toward a career in engineering. The mentor night allows engineers to relay their experience in the profession and answer questions posed by students. The event will be kicked off with a brief introduction of the engineering

disciplines represented by the volunteers and possibly followed by a brief panel discussion with North Engineering Alumni. Following the panel discussion will be an open forum where the students visit various tables and converse with the mentors. Mentors are asked to bring a sample of work that will fit on a 30"X30" table top for potential discussion with the students.

If you are interested in participating, please [click here to sign up online](#).

Mentor Night events are also held each year at the Seattle Pacific University, Seattle Central College, Bellevue College and Highline Community College. Upcoming events are posted on the PSEC website at: <http://www.pseconline.org/mentor-nights/>.

Thank you for your support.

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## ASCE Seattle Section Executive Board Minutes for December 9, 2016 Meeting

### Attendees:

Amanda Schweickert  
Cal Bearman  
Diana Hasegan  
Ed Huston  
Homero Flores Cervantes  
Kelli Dean  
Shailee Sztern  
Tony Nguyen

Meeting minutes taken by Tony Nguyen.

Meeting called to order at 11:30am by Kelli. MOTION to approve agenda (amended by Professional Practice Committee update) by Diana and seconded by Amanda. Passed unanimously.

MOTION to approve November meeting minutes by Diana and seconded by Cal. Passed unanimously.

### Updates

- Professional Practice Committee – Ed
  - Finding a new speaker for the SEAW/ASCE meeting. Potentially a panel. Sign and sealing and/or complaint section. Will discuss more with Tara/Henry.
    - ACTION ITEM: Kelli/Tara/Henry will coordinate with Ed Huston on SEAW/ASCE meeting in March.
  - DOL appointing an administrator, not licensee.

### Old Business

- Report Card – Kelli
  - Laura Ruppert has given some helpful hints.
  - How to capture new infrastructure in report card.
- RH Thompson – Kelli
  - Application due - March
  - Winner announced - May
  - Scholarship funds distribution - September
    - Scholarship disbursement schedule chosen by winner (may be distributed over one or more years)

### New Business

#### **Treasurer's Report and Action Items – Shailee**

- Pizza party for SU should be ok for adjustment for 2017-2018. Need to work with university on budgetary issues.
  - ACTION ITEM: Shailee/Kelli/Diana to work

- on budgets with SU.
- Delay motion to approve November. E-mail via next Friday, the 16th.
  - Note that the report does not include Branch requests.
  - ACTION ITEM: Diana/Evan/Kelli to discuss with the Branches about funding requests.

#### **Membership Chair Update – Diana**

- No action item. Report attached.

#### **Standing Committee Report and Action Items – A. Schweickert**

- No action item. Report attached.

#### **Branch Report and Action Items – A. Shellenberger (absent)**

- No action item. Report attached

#### **Technical Committee Report and Action Items – Homero**

- Chair for Urban Development and Transportation
  - ACTION ITEM: Homero and Kelli to create a draft in newsletter for Urban Development and Transportation Chair position.

#### **YMF Report and Action Items – Cal.**

- Holiday party
  - ACTION ITEM: Kelli to request YMF Holiday Party to be placed on ASCE Seattle Section website.

### Other New Business

- Fellow Nomination for Dr. Conrad Felice submitted to National
- Discuss New on-line software for collaboration
  - Dedicated e-mails?
  - Microsoft/Google offer free services for non-profits.
  - ACTION ITEM: Diana to send out e-mail to Board regarding collaboration software offerings.

### Miscellaneous

- November meeting minutes approved via e-mail on 11/22/2016. Kelli, Evan, Cal, Diana, and Tony approves. Remaining Board Members abstains.
- Next Board Meeting TBD.
- Next Membership Meeting will be on December 14th.
- Meeting called to a close at 12:05pm.
- Attached are Board Member Reports.

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## MEMBERSHIP REPORT – Diana Hasegan

- **New Members**
  - Based on the new membership information from the ASCE national database, downloaded on November 30, 2016: 18 members have enrolled with the Seattle Section. The enrolled members are: 10 new students, 3 associates, and 5 regular members. Of the ten students one has joined the Kitsap Branch.
- **Membership**
  - The Seattle Section and Branches have 2,460 members (Seattle 2,169, Boeing 0, North Branch 138, Kitsap Branch 151). There are 502 YMF members at this time.
  - The membership database received from ASCE headquarters was found to have no duplicates this month.

## STANDING COMMITTEE REPORT – Amanda Schweickert

- **Audit Committee – Stefanie Herzstein**
  - Reviewed the Treasurer's report.
- **Legislative Committee – Vacant**
  - Still seeking a Legislative Committee Chair and Washington State Advocacy Chair.
- **Diversity Committee – Jacilyn Hayden**
  - No update
- **History and Heritage – Cindy Hirsch**
  - No update
- **House and Hospitality – Don Nguyen/Katie Sultan-Wright**
  - No update
- **Order of the Engineer – Amy Riley**
  - No update
- **Professional Practice – Ed Huston**
  - Mr. Villnave of the Washington State Board of Registration for Professional Engineers and Land Surveyors has resigned and moved to the FAA. Mr. Villnave was to be the speaker for the March 15th joint meeting with SEAW. We will need to find a new speaker. Ed has spoken to Mike Bramhall, the Professional Chair for SEAW about this.
    - ACTION ITEM: Find a new speaker for the joint SEAW/ASCE meeting
- **Program Chair – Tara Beitler/Henry Haselton**
  - No update
- **RH Thomson Scholarship – Aaron Olson/Hillary Stibbard/Amy Riley**
  - No update

- **Public Information – Elizabeth Guevara**
  - No update
- **PSEC – Paul Grant**
  - Past Activities
    - Engineer of the Year Award Nominations – Ad Hoc committee selected members for nomination for Academic, Government, and Professional Engineer of the Year. All nominees are working on or have completed their nomination forms which are due on Dec. 16th. Entries for other categories are from the YMF. Winners to be announced in early January.
  - Planned Activities
    - Engineering Mentor Night at Seattle Central College - tentatively Thursday January 19th
    - Engineering Fair – Saturday February 4th – Museum of Flight – 10am to 4pm
    - Engineer of the Year Awards Banquet – Saturday February 11th – Museum of Flight
- **University Advisory Committee – Amy Riley**
  - No update
- **Washington State Board of Registration Representative – Amy Thatcher**
  - No update
- **EWB-USA Puget Sound Professionals (PSP) Chapter – Eset Alemu**
  - No update
- **Community Service – Kristina Lowthian**
  - November Volunteer Event – Zeno MathFest
    - Thursday, November 10th from 4pm-8pm at Rainier Community Center
    - Had one volunteer play math games with elementary students
  - December Volunteer Event – Phinney Ridge Neighborhood Association
    - December 3rd and 4th at Phinney Center
    - Had seven volunteers help clean up the Center after the PNA's Winter Festival
- **K-12 Outreach – Brad Strandquist**
  - Attended the second coordination meeting (on 12/6) with the Pacific Science Center (PSC) for the film release of "Dream Big". The film will open on February 17th.
  - The PSC will host a weekend of "Curiosity Days" on February 18, 19, 20 which will be a festival focused on engineering.
    - ASCE K-12 outreach will host a table for "Curiosity Days" and we're working with the PSC to expand our involvement

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- by hosting a more involved civil engineering activity/workshop (more to come).
- Nigel Lyons and I are also serving as advisors to PSC, helping them brainstorm activities for the museum and connect with other resources in the engineering community.
- Lastly, I'm writing a grant proposal for the FY17 Region 8 Special Grant to support our efforts on the "Dream Big" campaign.

#### **BRANCH REPORT – Amanda Shellenberger**

- **North Branch (by Aaron Hartvisgen)**
  - Aaron Hartvisgen is attending the leadership conference Jan 13-14 in LA.
- **Kitsap Branch (by David Dinkuhn and Shylo Shorthouse)**
  - No update
- **Boeing Branch**
  - No update and no current contact information.

#### **TECHNICAL COMMITTEE REPORT – Homero Flores**

- **COPRI Seattle Chapter**
  - Nothing to report
  - November meeting/Joint with Section
    - When: November 30, 5:30 - 8:00 p.m.
    - Where: Mirabella 116 Fairview Ave N, Seattle, WA 98109
    - Topic: Alternative Funding for Infrastructure Projects with a case study of P3 for Port of Calais, France
    - Presenter: Philippe Rapin
  - No December meeting
- **Geotechnical Group/Geo-Institute Seattle Chapter**
  - Nothing to report
  - November meeting
    - November 17 @ 5:30 pm - 9:00 pm
    - Virtual Reality Applications for the Engineering and Construction Industry
    - Presented By: John Rewolinski, Senior Scheduler with Sound Transit
  - December meeting
    - December 15 @ 5:30 pm - 9:00 pm
    - Beacon Hill Station and Tunnels, State of the Art Underground Construction in Difficult Ground
    - Presented by: ROBERT A. "RED" ROBINSON, C.E.G., R.G., Senior Vice President of Shannon & Wilson, Inc., Director of Underground Services

#### ● **WRE**

- Coordinating April joint meeting with Section
- Planning of 2017 meeting speakers
- November meeting (approx. 12 attendees)
  - Date: November 17th, 2016
  - Time: 12:00 - 1:00 PM
  - Location: Brown & Caldwell Seattle Office, One Convention Place, 701 Pike Street, Suite 1200, (206) 624-0100 [Map link]
  - Logistics: No registration is necessary. Lunch is not provided so bring your own. Contact seattleascewre@gmail.com with questions.
  - Title: Putting things into perspective: patterns, processes and outcomes of dam removal on the Elwha River
  - Speaker: Jeff Duda, research ecologist with the U.S. Geological Survey's Western Fisheries Research Center in Seattle, Washington
- No December meeting

#### ● **Urban Development And Transportation**

- Sent TDI Seattle members to Diane Hilmo.
- To follow what's the next step in reviving this committee
- Still need to find a new co-chair

#### ● **SEAW/Lifeline**

- SEAW serves as the Structural Group for the ASCE Seattle Section. We have dinner meetings on the 4th Tuesday, usually at the Hotel Monaco. Last month the Structural Engineers met and Paul Brallier & Maximilian Dixon spoke on "Post-Earthquake Response (and Preparation) in Washington State". Attendance was about 60.
- In late October, SEI had a Local Leaders Forum
- SEAW doesn't meet in December, as the 4th Tuesday is usually between Christmas and New Year's.
- Our January meeting will be at the UW Waterfront Activity Center. It is our annual, Student Showcase, Firm Showcase and Student Design Build Competition Award presentation.

#### ● **Sustainability**

- Nothing to report

#### **YMF BOARD REPORT – Cal Bearman**

##### ● **Past Events**

- November 17 – Seattle Networking [13 attendees]

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- The November Happy hour in Seattle was held at Casco Antiguo.
- November 28 - Eastside Networking and November Officer's Meeting [15 attendees]
- Eastside Networking this month included the monthly officers meeting. The event was hosted at Cactus.
- November 30 - Seattle University -Young Engineer Networking Event [25 Students, 15 Young Professionals]
- The Seattle University ASCE Chapter hosted younger members at an informal networking event. The event provided the opportunity for students to get acquainted with young professionals and learn about the school to industry transition.
- December 4 - December Community Service Event - PNA Winter Festival [7 Attendees]
- On December 4th, the ASCE YMF helped clean up and put the Phinney Center back together after their annual Winter Festival

event. The roughly 4,000 Winter Festival entrance fees help support PNA programs such as the PNA Hot Meal Program, before and after school childcare, and the Greenwood Senior Center. Seven younger members moved furniture, swept the floors, and took out the garbage.

- **Upcoming Events**

- December 16 - PSEC Award Nominations Due
- December 15 - YMF Christmas Party & Toys for Tots
- January 13-14 - WRYMC 2017 Los Angeles
- February 4 - Popsicle Stick Bridge Competition 2017

- **Committee Activities**

- Financial Summary for 2016 Taxes
- On-going soccer league
- WRYMC 2017

- **ACTION ITEMS:**

- Distribute Invitation to Christmas Party

# CALL FOR ENTRIES

## 2017

### ASCE Seattle Section Local Outstanding Civil Engineering Achievement Awards Program

*Entries are due by*

**March 10, 2017**

*Application and rules are  
available at*

***www.seattleasce.org***

**2016 LOCEA Award Winners (top to bottom) – UW Montlake Triangle and Rainer Vista Project,  
Windermere Combined Sewer Overflow Reduction, Ivar's Pier 54 Seismic Upgrade and Renovation,  
Tiger Mountain Lower High Point Bridge**



## Your Project Deserves Recognition!

Did you complete an innovative project in 2016? Be sure to apply for a *Local Outstanding Civil Engineering Achievement (LOCEA) Award!*

Don't miss this opportunity to gain recognition for you, your organization, and clients. The application process is easy!

Winners receive important benefits, including:

- ✓ A presentation about your project at the June ASCE Seattle Section meeting.
- ✓ Award plaques for your organization and client.
- ✓ A feature page in the ASCE Seattle Section newsletter, which reaches over 2500 civil engineers in the Puget Sound area.

- ✓ Recognition on the ASCE Seattle Section website.
- ✓ A feature article in the *Daily Journal of Commerce*.
- ✓ A prestigious recognition on your resume.

Entries are due **March 10, 2017**.  
Applications and rules are available at [www.seattleasce.org](http://www.seattleasce.org).

