



# SEATTLE SECTION NEWSLETTER

April 2016  
Volume 51 No. 8

## Section Officers

October 1, 2015 – September 30, 2016

### SEATTLE SECTION OFFICERS

Evan Sheesley, *President* 206-859-0224  
Kelli Dean, *President-Elect* 206-779-8484  
Tony Nguyen, *Secretary* 425-450-6309  
Gene Gladden, *Treasurer* 425-281-7288  
Stefanie Herzstein, *Immediate Past President* 425-896-5219  
Lisa Harbert, *Director (2016)* 206-371-3079  
Amanda Shellenberger, *Director (2017)* 206-903-3371  
Amanda Schweickert, *Director (2018)* 206-431-2343

### YMF OFFICERS

Cal Bearman, *President* 206-764-5253  
Jared Nakamoto, *President-elect* 206-382-6341  
Inna Tasmaly, *Secretary* 206-431-2294  
Tara Burton, *Treasurer* 425-406-7118  
Courtney Davis, *Board Representative* 206-926-0451

### UW/SEATTLE U CONTACTS

Amy Riley, *University Advisory Committee Chair*  
[amy.riley@seattleu.gov](mailto:amy.riley@seattleu.gov)

### KITSAP BRANCH OFFICERS

David Dinkuhn, *President* 360-850-5319

### NORTH BRANCH OFFICERS

Gabe Ng, *President* 206-718-5252

### BOEING BRANCH OFFICER

Vinny Avendano, *President*  
[vinicio.p.avendano@boeing.com](mailto:vinicio.p.avendano@boeing.com)

### WEBMASTER

Eric Knigge  
[seattleasce@yahoo.com](mailto:seattleasce@yahoo.com)

## ASCE Seattle Section Meeting

Thursday, April 21, 2016  
Noon – 1:00 p.m.

**Place:** Brown & Caldwell Seattle Office, One Convention Place,  
701 Pike Street, Suite 1200, (206) 624-0100

**Cost:** None. Please RSVP for this month's meeting, since lunch  
will be provided as a courtesy from the Section.

RSVP by emailing Homero Flores at  
[homero.flores@kingcounty.gov](mailto:homero.flores@kingcounty.gov)

## Program: Aquifer Storage and Recovery – Adapting to Change

*Tim Flynn, Aspect Consulting*

Municipal water systems face continual challenges providing safe, reliable water supplies for their communities. These challenges can include physical constraints, such as declining aquifer yield and loss of snowpack, and compliance with regulatory requirements, such as water right permitting and water treatment standards. This talk will provide an overview of aquifer storage and recovery as a water resource management strategy in the face of changing hydrologic conditions (e.g. climate change), and will touch upon permitting considerations/constraints and extent of use to date in the State of Washington. It will wrap up with a case study of the City of White Salmon's (City) aquifer storage and recovery (ASR) project which is a key component of the City's long-term water supply strategy.

The City was historically served by a high quality surface water source from Buck Creek, a tributary of the White Salmon River. When compliance with increased surface treatment standards proved costly the City, in partnership with the City of Bingen and Port of Klickitat, developed a new groundwater well field to replace surface supplies. The well field was initially highly productive, but has shown significant decrease in yield over time. Additionally, the City faced shortages in the annual water supply authorized under their water rights, forcing a moratorium on new connections.

See **April Program** on page 3

The next newsletter deadline is:  
5:00 p.m.  
Wednesday, April 20, 2016

~~~~~

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>

Volume 51 No. 8, April 2016  
Published 10 times a year

#### 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).

## President's Column

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

Spring is here and the Seattle Section is in the midst of its annual rejuvenation. It is a busy time of year full of nominations of new board members and awards for our outstanding colleagues, volunteers, and the projects they help deliver. It is great to see so many of you make a very noble gesture by volunteering your time to help build a better community and working hard to advance civil engineering.



The Seattle Section Board voted to endorse Kristina Swallow for President-Elect of ASCE. Kristina is known for her leadership and the energy she brings to any endeavor she pursues. She has the vision and experience to be a successful President of the Society. Some interesting facts about the election are that the winner will be the fourth woman president of ASCE; and also that it will be the first time in ASCE's long history that two women are running and that there will be back-to-back women as President.

At the Western Region Younger Member Council (WRYMC), held in Anchorage Alaska this year, our younger members took home several awards. They won Outstanding Support of a Student Chapter. They also won Outstanding Younger Member Group Project for a Green Apple Day event they held as a preconference volunteer project - the first of its kind. The YMF organized this event for last year's joint Multi-Region Leadership Conference (MRLC) and WRYMC held in Bellevue. Conference-goers volunteered at the local Boys and Girls Club by teaching them about sustainability and civil engineering and leading them through several hands-on projects. They definitely left the Seattle-Bellevue area in better shape than when they arrived.

In addition, Don N., chair of our House and Hospitality Committee and the YMF's Popsicle Stick Bridge Competition, was recognized as an Outstanding Member in Community Activities and Engineers Week Outstanding Volunteer during the 2016 WRYMC. Don is very dedicated

See *President's Column* on page 3

## April Speaker Bio

**Tim Flynn** is President and a Principal Hydrogeologist at Aspect Consulting, a 70-person earth science and engineering consulting firm providing environmental, water resources, and geotechnical services throughout the Pacific Northwest. Tim is a licensed hydrogeologist in the State of Washington and has 30 years of water resources consulting experience with particular expertise in water supply development, water right permitting, water banking, and aquifer storage and recovery. He has been involved in design, permitting, and implementation of aquifer storage and recovery projects in Washington, Arizona, and California.

---

**April Program** (continued from page 1)

In response to these shortages in both source yield and regulatory authority, the City sought to improve supply reliability in a number of ways. One of these actions has been pursuing an ASR project to take seasonally available winter flows from the new treatment plant, inject

treated water into a City production well, and recover water during peak summer demands. The ASR pilot testing stage was completed in 2015, and the City is now pursuing a ASR reservoir permit with the Department of Ecology.

---

**President's Column** (continued from page 2)

and committed to every project he taken on over the years. He is a leader and a true asset to our community.

I would also like to congratulate Ron Klemencic as this year's Ernest E. Howard Award recipient. This annual award is given to an ASCE member who has made a definite contribution to the advancement of structural engineering. Ron was recognized for his leadership in the application of performance-based seismic design

methods for tall building structures and the promulgation of this approach throughout the structural engineering profession.

Our Section is full of people deserving of recognition for the work they do; there is not enough space in this newsletter to list them all. Thank you all for your continued dedication and membership to ASCE and the Seattle Section. I look forward to seeing you at the upcoming membership meeting!

---

## University Mentor Night—Help Needed

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 followed by open forum where the students visit various tables and converse with the mentors. Mentors are encouraged to bring a sample of work that will fit on a 30"X30" table top for potential discussion with the students.

The following provide a list of spring events and signup links for the events:

- Highline Community College - April 19, 6 pm to 8 pm - <http://www.eventbrite.com/e/2016-highline-college-engineering-mentor-night-tickets-22279682129?ref=ebtn>
- Bellevue College - May 3, 11 am to 1 pm - <http://www.pseconline.org/2016/03/09/tue-may-3rd-2016-bellevue-college-engineer-mentor-lunch/>
- Shoreline Community College - May 11, 6 pm to 8 pm - <http://www.eventbrite.com/e/2016-shoreline-community-college-engineering-mentor-night-tickets-22740355014?ref=ebtnebrgn>

Thank you for your support.

## 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**

---

## 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.

---



### Project Controller (Job #16-05)

This position will be located out of our Lake Oswego office.

#### Summary

This position will assist the Division Managers and Project Managers with key operations, project management, and business development tasks. The duties of this position are very analytical, evaluative, interpretive and dynamic in nature. This position serves the company by improving and streamlining the project delivery process through the performance of project management and coordination duties. The ideal candidate will be a very organized individual capable of multi-tasking and monitoring all parts of a project for conformance to schedule and budget. Special preference will be provided to an individual who has previously worked in a Civil Engineering firm and who is familiar with the different aspects involved with A&E consulting work and preparing deliverables for a client.

#### Essential Duties and Responsibilities

- Work collaboratively across offices and with multi-disciplinary teams within and external to OBEC
- Manage QA/QC process
- Track and assemble deliverables such as reports, plan sets and cost estimates
- Coordinate subconsultants
- Work directly with clients (submit deliverables; answer questions; coordinate questions between the client and design team; prepare monthly progress reports and invoicing; attend meetings as needed)
- Prepare project special provisions (compile technical specifications and project estimates; prepare general condition specifications; and prepare supporting documentation for final submittals)
- Coordinate and assemble statement of

work and fee for multidisciplinary contracts

- Maintain file management system (ProjectWise) and monitor for standards compliance
- Prepare and maintain project design schedules and exhibits
- Support business development tasks (update resumes; write proposals; prepare project example write-ups)
- Act as Assistant Project Manager in the management of scopes, schedules and budgets
- Provide construction administration support including: tracking submittals and RFIs; drafting change orders; reviewing contractor submittals; reviewing and entering in pay notes; and reviewing contractor labor compliance
- Create, update, and manipulate excel spreadsheets and PowerPoint presentations
- Performs other related duties as assigned

#### Requirements/Minimum Qualifications

##### Education:

Bachelors' degree with 5 years of related work experience.

##### Previous experience/skills:

##### Required

- Advanced proficiency with Microsoft Office Suites (Outlook, Word, Excel)
- Advanced proficiency with Adobe Acrobat, BlueBeam or similar PDF editing software
- Advanced proficiency proofing and editing documents
- Excellent time management skills (setting priorities/organizing; attention to detail and prioritizing multiple assignments at once)
- Demonstrated ability to work in a cooperative manner, to communicate effectively with coworkers across multiple offices and firms, and to work productively and skillfully in a fast paced, client service-oriented environment
- Advanced experience compiling and extracting data for studies and reports

##### Preferred

- Previous experience working with engineering and consulting terminology
- Intermediate proficiency with MS Projects
- Previous assistant project manager or project controller experience

##### Accountability

- Complete assignments on time, within budget and to a high level of accuracy
- Work independently with minimal oversight to complete assigned tasks
- Follow established procedures; and exercise independent judgment under minimal direction
- Needs approval for deviation from standard operating procedures
- Prepare and implement process-improvement recommendations

##### Working Conditions and Physical Requirements

This work is typically done within an office environment with occasional field work at project/construction sites. When field assignments are required, the working conditions/physical requirements for field staff apply.

- Basic work shift may consist of 8 or 10 hour days with the likelihood of extended hours, and/or weekend work
- Schedule variability includes long, unpredictable and/or fluctuating hours, requirements to work on short notice to meet project production and/or construction deadlines
- Extensive prolonged use of computers and peripheral equipment, with finger and manual dexterity that can last on average 8-10 hours/day
- Extended periods of sitting, standing, and walking around the office; occasional field assignment supporting engineering design functions
- Limited physical activity involving standing, walking, bending, reaching,

*(Continued on page 5)*

(Continued from page 4)

lifting, and pulling required of office functions

- Ability to move or lift moderate size packages up to 30 lbs.

#### **To apply**

Please go to our website ([www.obec.com](http://www.obec.com)), click on the careers section, and fill out the employment application. This application is **required** and **you will not** be considered for this position without submitting the application.

Please also include your cover letter, resume, and any transcripts that may be required for this position.

*OBEC Consulting Engineers is committed to being an Affirmative Action/ Equal Opportunity Employer for Minorities, Females, Protected Veterans and Persons with a Disability. Qualified applicants will be considered for employment without regard to protected veteran status and disability status. We do not discriminate in employment on the basis of race, color, religion, sex (including pregnancy and gender identity), national origin, political affiliation, sexual orientation, marital status, disability, genetic information, age, membership in an employee organization, retaliation, parental status, veteran status, disability status, or another other characteristic protected by law.*



#### **Senior Engineer**

##### **Position:**

Senior Engineer. This position will report to the Director of Engineering and assist with the responsibilities listed below. This full-time, exempt position is located at 1850 Park Lane, Burlington, Washington.

##### **Company:**

Pacific Woodtech Corporation manufactures laminated veneer lumber and I-joist products that are used mostly as structural building components both domestically and abroad. Pacific Woodtech began production in 1999. The company employs over 200 people in the plant and about 15 in the office. Benefits include medical/dental/life/disability insurance and a 401(k) plan. Salary commensurate with

experience. PWC is an Equal Opportunity Employer. [www.pacificwoodtech.com](http://www.pacificwoodtech.com)

##### **Requirements:**

- Registered, professional Civil or Structural Engineer
- Strong written and oral communication skills
- Occasional travel
- Competency with MS Word/Outlook/Access. Strong Excel skills. Competency with VBA and SQL is a plus.
- Wood design experience is a plus

##### **Engineering Responsibilities:**

- Product Application
  - Create technical content for website and guides used by structural designers
  - Consult with structural design software providers on product properties and structural analysis
  - Consult with customers on project design and damaged product repair
  - Participate in engineered wood industry association activities (e.g. APA, WIJMA)
- Standards and Building Code Compliance
  - Contribute to development of ASTM, ANSI, and other related standards
  - Liaison with third-party inspection and certification agencies, and product evaluation services
- Product and Process Development
  - Design test programs, analyze and report results
  - Participate in decision-making with Operations and Sales & Marketing
- Quality Control
  - Specify manufacturing quality control policies and procedures
  - Assure continued compliance with evolving product standards
  - Provide oversight and technical assistance to the Quality Control laboratory

##### **Qualifications:**

- Customer Focus: Quickly and effectively solve customer problems. Maintain productive internal and external customer relationships. Readily adjust priorities to respond to changing customer needs. Anticipate potentially adverse customer reactions and develop better

alternatives.

- Self-Management: Set priorities, goals and timelines to achieve maximum productivity. Manage multiple projects and competing priorities. Display a high level of initiative, effort, and commitment towards completing assignments in a timely manner.
- Speaking and Communication: Tailor speaking style for the audience. Communicate effectively with co-workers. Listen with full attention to what others are saying. Understand the needs being expressed. Ask questions as appropriate without interrupting. Effectively present information to managers, customers, and other audiences.
- Teamwork: Maintain a collaborative approach when dealing with co-workers. Demonstrate a genuine commitment to reaching mutually beneficial solutions.
- Accountability and Dependability: Arrive at work on time. Follow instructions, policies, and procedures. Fulfill commitments made to customers, peers, co-workers, and managers. Hold self and others accountable for measurable, high-quality, timely, and cost-effective results.
- Reading and Writing: Read, analyze, and interpret scientific and technical journals, financial reports, and legal documents. Respond effectively to inquiries or complaints from customers, regulatory agencies, or members of the business community. Write speeches and articles for publication that conform to prescribed style and format.
- Reasoning: Define problems, collect data, establish facts, and draw valid conclusions. Interpret technical instructions in written, mathematical, or diagram form. Deal with items of either an abstract or concrete nature.
- Attention to Detail: Monitor and review work for accuracy and completeness. Complete work according to procedures and standards. Maintain an organized workspace and organized files. Understand verbal instructions.

##### **To Apply:**

Send resume to [Employment@pacificwoodtech.com](mailto:Employment@pacificwoodtech.com).

(Continued on page 6)



### Civil Engineer

Otak is looking to hire a Civil Engineer for our Redmond office. This position will work on a wide variety of projects throughout the Puget Sound region including municipal roadway, grading, drainage, utility, and civic projects for various clients. This person will be working on multi-disciplinary projects and using engineering judgment to transform design concepts into construction drawings and technical specifications. The ideal candidate will be self-motivated with an enthusiastic, team-oriented attitude.

#### Typical job responsibilities include:

- Performs design services related to roadway and site layout, grading, drainage, utilities, and erosion control in conformance with local, state and federal regulations
- Prepares construction plans using AutoCAD/Civil 3D
- Prepares specifications and cost estimates
- Plans and coordinates projects with limited supervision
- Assists in assigning duties and schedules to team members
- Participates in preparing proposals and project scope, schedule, and budget
- Provides construction support services

#### Qualifications:

- Must have approximately five (5) year (or more) of experience as a Civil Engineer, with an emphasis on transportation, public infrastructure, drainage, utilities, site development, and civic projects for municipal and private clients
- Bachelor's in Civil Engineering from an accredited college or university or equivalent education is required
- Professional Engineer (PE) license in

WA or have the ability to obtain a license within 6 months from the date of hire is required

- Demonstrated experience with AutoCAD/Civil 3D
- Strong verbal and written communication skills

Otak's Civil Engineers have dedicated their design talent to creating and improving many essential infrastructures since our inception in 1981. We have extensive experience with all facets of roadway design, including urban street and highway, rural and recreational, pedestrian and bicycle systems, bridges, multimodal facilities, earthwork and grading, retaining walls, storm drains, sanitary sewers, and water supply systems. Otak's engineering designs blend aesthetic appeal into the character of the community while improving the transportation system for an effective community.

We encourage you to come and be a part of the Otak team. Apply today at: <http://chj.tbe.taleo.net/chj05/ats/careers/requisition.jsp?org=OTAK&cws=1&rid=541>

Otak is an Equal Opportunity Employer.



### Civil Designer / EIT

Otak is looking to hire a Civil Designer / EIT for our Redmond office. This position will work on a wide variety of projects throughout the Puget Sound region including municipal roadway, grading, drainage, utility, and civic projects for various clients. The ideal candidate will be self-motivated with an enthusiastic, team-oriented attitude.

#### Typical job responsibilities include:

- Performs design services related to roadway and site layout, grading, drainage, utilities, and erosion control in conformance with local, state and federal regulations

- Analyzes reports, maps, drawings, tests, aerial photographs of terrain, existing and proposed characteristics, and other topographical and geologic data to plan and design projects
- Assists with the preparation of construction plans using AutoCAD/Civil 3D
- Assists with the preparation of specifications and cost estimates
- Provides construction support services

#### Qualifications:

- Bachelor's in Civil Engineering from an accredited college or university or equivalent education is required
- Engineer-in-Training (EIT) certification or successfully passed Fundamentals of Engineering (FE) examination is required
- Must have approximately two (2) years (or more) in a Civil or Civil-related engineering field, that includes roadway design, site design, utility design, plan preparation, specifications, contract documents, and/or other Civil Engineering processes
- Demonstrated experience with AutoCAD/Civil 3D
- Strong verbal and written communication skills
- Construction experience is a plus

Otak's Civil Engineers have dedicated their design talent to creating and improving many essential infrastructures since our inception in 1981. We have extensive experience with all facets of roadway design, including urban street and highway, rural and recreational, pedestrian and bicycle systems, bridges, multimodal facilities, earthwork and grading, retaining walls, storm drains, sanitary sewers, and water supply systems. Otak's engineering designs blend aesthetic appeal into the character of the community while improving the transportation system for an effective community.

We encourage you to come and be a part of the Otak team. Apply today at: <http://chj.tbe.taleo.net/chj05/ats/careers/requisition.jsp?org=OTAK&cws=1&rid=542>

Otak is an Equal Opportunity Employer.

---

# 2016 ASCE Seattle Section Board of Directors Election Candidate Biographical Statements

By Stefanie Herzstein, PE, PTOE, M.ASCE, Seattle Section Immediate Past President

The 2016 ASCE Seattle Section Board of Directors Election will take place between May 1 and May 20, 2016. Online ballots will be emailed to Section members on May 1. If you are a Section member and do not receive a ballot please contact Tony Nguyen at [Tony.Nguyen@hdrinc.com](mailto:Tony.Nguyen@hdrinc.com).

The following nominees are put forth by the Nominating Committee for Section Board positions starting in September 2016. If you would like to put forth other nominees, please contact Stefanie Herzstein at [Stefanie.herzstein@transpogroup.com](mailto:Stefanie.herzstein@transpogroup.com) or 425-896-5219 by April 21 or provide your nomination in person at the April Seattle Section meeting.

## **President-Elect**

### **Diana Hasegan, PE, ENV SP**

Diana Hasegan is a Project Engineer with GHD specializing in engineering solutions for remediation, stormwater and sustainability. She holds a B.S. in Civil and Environmental Engineering and a B.A. in Economics and Business from Lafayette College. Diana is also pursuing a Masters of Science Degree in Engineered Systems in Water Quality from the University of Washington, Seattle. She is a registered Professional Engineer (PE) in the State of California and a certified ENVISION Sustainability Professional (ENV SP).



Diana has over six years of experience in site investigation and remediation working on large and complex sites under Superfund, RCRA, and several state jurisdictions. In the field of stormwater, she has experience with general permits for industrial sites in several states across the US providing solutions for ensuring continuous compliance with water quality regulations for stormwater and discharges from industrial sites. She also has over eight years of experience with sustainability projects having completed multiple green and sustainable remediation evaluations, life cycle assessments, a sustainability

master plan for a sports complex, a neighborhood-wide carbon footprint model, and alternative energy feasibility studies.

Within ASCE, Diana served as the Western Region Younger Member Council (WRYMC) Chair in 2015, leading a team of over 20 younger members in organizing the regional leadership training for more than 150 younger members and networking activities for over 350 students and other Section and Branch leaders. She was also the WRYMC Business Meeting Chair in 2016 and the Younger Member Delegate to the Region 8 Assembly in 2015-2016. Within the YMF, Diana served as the Bellevue Networking Chair in 2013-2014 and as the Scholarship Chair since 2014. She is also active within the Sustainability Committee at the Section Level, having served as the Industry Outreach chair from 2013-2015 and as the Vice-Chair of the Committee since 2015. At the Society level, Diana is a member of the Committee on Sustainability, which is a Strategic Initiative Committee, and is a corresponding member on the Committee on Younger Members.

When not occupied with work, school or ASCE activities, Diana spends her free time playing tennis, doing yoga, hiking, learning photography, cooking and baking.

### **Motivation for President-Elect of the Seattle Section:**

In 2012 when I moved to Seattle, I had very few connections professionally and personally. The Seattle Section has helped me integrate into the professional community providing incredible opportunities to network with amazing people in all disciplines and has also challenged me to enhance my professional development through many leadership roles. I would like to be part of the leadership of the Section to help carry forward these incredible opportunities and ensure that we develop the best professional community for our industry. My passion for our field of work comes from ability to serve the people and the environment by weaving the fabric of infrastructure for our society to prosper. I would like to continue to serve ASCE in the President Elect position.

*(Continued on page 8)*

(Continued from page 7)

### **Treasurer**

#### **Shailee Sztern, PE**

Shailee Sztern is a Professional Engineer (PE) with experience in water and wastewater infrastructure projects. Throughout her career Shailee has served as a planner, design engineer, project manager and resident engineer.



In 2009 Shailee moved to Seattle to attend graduate school at the University of Washington where she earned two masters degrees; one in Civil Engineering and one in Public Administration. Since leaving graduate school Shailee has spent the majority of her time working with Seattle Public Utilities on major transportation projects, including the Alaskan Way Viaduct Replacement Program and the Elliott Bay Seawall Replacement Project.

Shailee has an aptitude for learning, leading, and leaning in.

### **Director of Technical Committees**

#### **Javier Homero Flores Cervantes**

Javier Homero Flores Cervantes is a Wastewater Engineer for King County's Wastewater Treatment

Division. He received a Masters and a PhD from MIT in 2004 and 2010, respectively, and a Civil Engineering degree from UNAM, in Mexico City, in 2001.



Prior to King County, he worked as a scientist at the University of Washington. His research in broad terms was related to the study natural phenomena related to hydrology, geomorphology and ecology, mainly through modeling and the analysis of environmental data. He is interested in seeing these studies connected to works on the nexus of the built and natural environments, watershed management, urban planning, and landscape architecture.

Homero is active in ASCE and the Seattle Section. He has served as co-chair of the Seattle Section's Water Resources (WRE) committee for the past two years. Prior to becoming co-chair of the WRE committee, Homero was active in the Section's younger member group.

He enjoys bouldering, hiking, spending time with his girlfriend and friends, and going on vacation to visit his family in Mexico. He also loves to go see dance pieces, go to concerts, and art shows.

---

## **Rebuilding Together Seattle's Spring Rebuilding Day - Saturday, April 30**

There are over 37,000 low-income homeowners in the Seattle area that are in need of home repairs they cannot afford. On April 30, 2016, 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 doughnuts 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.



Contact Jessica Aguilar at [jessica.aguilar@abam.com](mailto:jessica.aguilar@abam.com) if interested.



---

## ASCE Seattle Section Executive Board Minutes for February 23, 2016 Meeting

### Attendees:

Stef Herzstein  
Amanda Schweickert  
Amanda Shellenberger  
Evan Sheesley  
Tony Nguyen  
Kelli Dean  
Lisa Harbert  
Gene Gladden

Meeting called to order at 10:09 pm by Evan. MOTION to approve agenda (as amended) by Kelli and seconded by Gene. Passed unanimously.

MOTION to approve January meeting minutes by Kelli and seconded by Stef. Passed unanimously.

### Old Business

#### **Audit, Lifeline, WA Board Reg Rep** – Evan/Kelli

- Lifeline/ Audit: Jamie Saez
- WA Board Reg Rep: Amy Thatcher

#### **Nomination Committee & Board Nominations** – Stef

- Evan/Kelli/Stef coordinated
  - Treasurer
    - Shailee Sztern
  - Technical Directors: Potential people to reach out
    - Diane Helmo (Transportation Chair)
    - Younes Nouri (Programs Chair)
    - Javier Flores (WRE Chair)
  - President
    - Diana Hasegan (YMF Scholarship Chair)
  - **ACTION ITEM:** Mid to end of March to finalize nominees. Elections in May. At the April Seattle Section meeting, anyone that wants to be self-nominated can do so at the meeting.

#### **Connecting with Washington Sections**

- Darren/Dale/Greg coordinating with meeting topics. Will talk to other Section Presidents.

### New Business

#### **Branch Action Items** – A. Shellenberger

- North Branch
  - Setting up meetings for the new year.
  - **ACTION ITEM:** Asking for \$1000, allocated \$500 already. Amanda Shellenberger to follow up.

#### **Treasurer's Report** – Gene

- \$9600 in dues
- EWB check cleared \$1k

- \$44.8k Account Balance
- Check for Rebuilding Together being sent out today.
- MOTION to approve Treasurer's Report by Stef and seconded by Kelli. Passed unanimously.

#### **Membership Chair Update** – Kelli

- No major changes to report

#### **Standing Committee** – A. Schweickert

- HH: Request \$200 for a replacement plaque. Can ask to increase budget at later date.
- **ACTION ITEM**-Scholarship Committee: Website update
- Public Information: Used them a couple times a year. Pro bono. Hesitate to spend more energy in finding someone else. No representative there.

#### **Technical Committee Report Action Items** – Lisa

- Structural Committee has a meeting in April about bridge scour.
- Transportation Committee inactive. Diane trying to get it active. Difficult to make it work with so many transportation-related groups.

#### **YMF Action Items** – Courtney-Not present

- Adjusted in 2016 tax season

### Other New Business

- Student competition presentations at May meeting. Discussion with Younes about facilitation. Honor life members at that meeting as well. University advisory is Amy Riley.

### Miscellaneous

#### **Board Report Due Dates**

- **ACTION ITEM:** First week of every month for the report due for the month before.
- **ACTION ITEM:** Tony will send reminders to collect reports. Please send Tony confirmation.

Next Board Meeting will be March 14th.

Next Membership Meeting will be on March 15th.

Meeting called to a close at 10:58 am.

Attached are Board Member Reports.

### BOARD REPORTS

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

- **North Branch** (by Melissa Gehrman)

*(Continued on page 10)*

(Continued from page 9)

- The North Branch has developed a tentative meeting schedule for 2016.
  - March 16: Mt. Vernon
    - Speaker: Wayne Wright, PWS, CFP-GeoEngineers
    - Fish considerations to culvert replacement
  - May 18: Bellingham
    - Speaker: Doug Ranney-Whatcom County
    - Seismic Retrofit of 1929 Bridge
  - July 20: Mt. Vernon
    - Speaker: TBD
  - September 21: Bellingham
    - Chris Damitio, PE and Shane Spahr, PE-WSDOT
    - Anderson Creek Bridge (SR542)
  - November 16: Mt. Vernon
    - TBD
- **Kitsap Branch** (by David Dinkuhn and Shylo Shorthouse)
  - The Kitsap Branch is planning on having an ASCE booth at the West Sound STEM Showcase on Saturday, April 30th from 10am-3pm, at the Kitsap Mall in Silverdale. We are looking for people to sign up and man our table as well as brainstorming ideas for an interactive piece. The Showcase is for grades K-12. We hope to focus on high school students and letting them be aware of the job opportunities in the engineering fields. We also hope that other engineers will see our involvement and possibly become engaged and attend our monthly meetings.
    - **ACTION ITEM:** Follow up on 1/28 budget request from David Dinkuhn
- **Boeing Branch**
  - **ACTION ITEM:** Amanda Shellenberger to work on trying to get into contact with Boeing ASCE representatives.

#### MEMBERSHIP REPORT – Kelli Dean

- **New Members**
  - Based on the new membership information from the ASCE national database, downloaded on February 7, 2016; 16 new members have enrolled with the Seattle Section since January 2, 2015.
- **Membership**
  - As of February 7, 2016, the Seattle Section and Branches have 2,507 members (Seattle 2,202, Boeing 18, North branch 136, Kitsap 151); no significant changes from January to February.

There are 57 more members than the same time a year ago. There are 749 YMF members at this time.

- The membership database received from ASCE headquarters was found to have 0 duplicates this month.

#### STANDING COMMITTEE REPORTS – Amanda Schweickert

- **Audit Committee** – Jaime Saez
  - Jaime Saez has agreed to be the chair of the Audit Committee.
- **ASCE/SEAW Lifeline & Earthquake Engineering Committee** – VACANT
  - VACANT
- **Legislative Committee** – Shane Binder
  - ASCE is a member of the Architects and Engineers Legislative Council (AELC). Last year there was an opportunity to take a position on greenhouse gas initiatives that AELC passed on. Shane wrote an article for the February newsletter on the topic of GHG and sent it out to the Board and Legislative committee for feedback. The article also asks for feedback from ASCE members.
    - AELC back dues of \$10,000 have been paid.
- **Diversity Committee** – Diana Giraldo/Jacyln Hayden
  - No Update
- **History and Heritage** – Cindy Hirsch
  - Looking into the cost for securing the images and funds for hiring someone to create a map & a graphically developed brochure, which was mentioned in last month's report. Will need to approach the board for funding once, the cost is known.
    - **ACTION ITEM**
      - Requesting \$200 to put towards a replacement plaque at the Snoqualmie Falls Hydroelectric Generating Facility NHCEL. The plaque went missing during a remodel of the wall that it was hanging on. The plaque was not in good shape when it went missing.
- **House and Hospitality** – Don Nguyen/Katie Sultan-Wright
  - No updates
- **Order of the Engineer** – Amy Riley
  - Amanda has contacted Amy to find out if there will be an upcoming Order of the Engineer ceremony. Also, if others besides students can participate.
- **Professional Practice** – Ed Huston

(Continued on page 11)

(Continued from page 10)

- No Updates
- **Program Chair** – Younes Nouri
  - No Updates
- **RH Thomson Scholarship** – Emily Spahn/Casey Nelson/Lorelei Williams
  - No Updates
- **Public Information** – Rachel Blomker PRR Biz will decide
  - PRR Biz needs to figure out who they could have be our contact.
    - **ACTION ITEM**
      - Do we want to continue with PRR Biz? PRR Biz needs to figure out who would be our contact still. Because the work is pro bono PRR Biz will help us when they are available.
- **PSEC** – Paul Grant
  - Past Activities
    - Engineering Mentor Night at Seattle Central College Thursday January 21st
    - Engineering Fair – Saturday February 6th – Museum of Flight – 10am to 4pm
    - Engineer of the Year Awards Banquet – Saturday February 13th – Museum of Flight
      - Seattle Section sponsored a Table for 10
      - Seattle Section members receiving awards include:
        - Government Engineer of the Year - Richard Gilmore, PE, Silver Lake Water and Sewer District (ASCE)
        - Professional Engineer of the Year - Dr. Vladimir Shepsis, PE, Coast and Harbor Engineering, Inc. (ASCE)
  - Planned Activities
    - Engineering Mentor Nights
      - North Seattle College – March 1 - Announcement in February newsletter
      - Highline College – April 19
- **University Advisory Committee** – Amy Riley
  - University of Washington does not have an advisor. UW is planning on participating in the paper competition. Discussion on the arrangement for the competition is still in progress.
- **Washington State Board of Registration Representative** – VACANT
  - Vacant
- **EWB-USA Puget Sound Professionals (PSP) Chapter** – Eset Alemu
  - Donation to EWB was confirmed by Gene at the last board meeting.
  - The donation for \$1000 has been sent by Gene.
- **Community Service** – Kristina Lowthian
  - At the last board meeting, money was approved to fund a house for Rebuilding Together. Ross will be attending the Returning Project Leaders Orientation on February 23rd. Please contact Ross French (ross.french@abam.com) and Jessica Aguilar (Jessica.aguilar@abam.com) to volunteer.
  - February Community Service Event – Adopt-A-Road
    - Saturday, February 20th, 10am-12pm @ Olson/Myers Park and Ride, 9000 Olson Pl SW Seattle, WA 98106
    - Team up with the ASCE Seattle Section to clean up our Adopt-A-Road section in South Seattle. We have adopted two miles of Myers Way S/1st Ave S. King County will provide all materials needed for the clean up, but please dress for the weather. We will meet at the Myers/Olson Park and Ride at 9000 Olson Pl SW behind Arrowhead Gardens and Public Storage. Please contact Kristina Lowthian at nalan83@gmail.com if you have questions or would be interested in carpooling.
  - **ACTION ITEM**
    - Rebuilding Together – Jessica has put in an online fund request form for Rebuilding Together. Need to confirm the check has been sent. It is due on February 23rd.
- **K-12 Outreach** – Eset Alemu and Vacant
  - The K-12 Group has hosted two events in the last month. Both events involved gumdrop structures construction and testing with shake table.
  - PSEC Engineering Fair at the Museum of Flight on February 6th from 10AM to 4PM
    - We had about 12 volunteers from YMF, ASCE Seattle Section and SEAW. The volunteers talked to the kids about structural engineering, considerations for design and earthquakes. It was a very popular table and about 250 kids stopped by.
  - STEM Night at Future of Aviation on February 2nd from 6PM to 8PM
    - We had one volunteer from SEAW. This also was very popular with at least 150 kids.
  - Eset is coordinating with the Pacific Science Center to promote the Dream Big movie oming out next year. They are hosting a series of events this year to teach kids about Civil Engineering. We are looking into how ASCE and YMF can provide volunteers for some of these events.

(Continued on page 12)

(Continued from page 11)

## YMF BOARD REPORT – Courtney Davis

- Past Events
  - January – April – ASCE Soccer Team – Winter Season [9 YMs]
    - Games are on Wednesday evenings at various fields around Seattle. All experience levels are welcome to join.
  - January 14 – Seattle Networking @ Re:Public Restaurant and Bar [13YMs]
    - Socializing (despite the loud music), gourmet small plates and cocktails were enjoyed at re:public in South Lake Union for the first Seattle networking event of 2016. During happy hour, YMF leadership announced and encouraged attendees to sign up for the upcoming professional development event on January 30th: the ASCE Supercharge your Career Series focused on communication.
  - January 16 – Volunteer Event – Northwest Harvest Rice Packing [10 YMS]
    - On January 9th, the ASCE YMF got together at the Northwest Harvest Food Bank in Kent to pack rice for families that are in need of food and healthy nutrition. The team packed rice for 2 hours wearing gloves and hair nets to ensure clean safe food for the less fortunate.
  - January 7th & 21st – Lake Stevens High School ASCE Civil Engineering Club Meeting [10 students]
    - Prepared for the Popsicle Stick bridge competition.
  - January 18th – Eastside Networking at MOD Pizza [10 YMs]
    - The Eastside kicked off 2016 right with some tasty slices and refreshing beverages.
  - January 19th – PSB Volunteer Meeting @ COWI Seattle [12 YMs]
    - The YMF had a great turnout of volunteers for the Popsicle Stick Bridge Competition Volunteer meeting. Don and Bobbie of the YMF helped lead the team in final planning efforts and getting everything read for a successful PSB on February 6th.
  - January 22-24 – WRYMC 2016 Anchorage [10 YMs, 2 Students]
    - The Seattle YMF had a great turnout for the annual Western Region Younger Member Council in Anchorage. The group enjoyed sight-seeing, but also the educational sessions that included management, leadership, and interaction skills.
- January 30th – Supercharge Your Career Series – Communication [25 YMs]
  - 25 Younger Members attended valuable training on communication, put together by ASCE (the Leader Training Committee-LTC) and facilitated by Amanda Shellenberger on a Saturday. The event included breakfast, lunch, and a snack for all attendees and was a huge success. The space was donated by Anchor QEA. In total, the Career Series lasted 6 hours and included interaction between the facilitator and the participants.
- Upcoming Events
  - February 4 – Lake Stevens High School ASCE Civil Engineering Club Meeting
  - February 6 – PSEC Engineering Fair at the Museum of Flight
  - February 6 – Popsicle Stick Bridge Competition 2015
  - February 8 – Eastside Networking Event at Scotty Browns
  - February 18 – Lake Stevens High School ASCE Civil Engineering Club Meeting
  - February 18 – UW YMF Young Professionals Panel
  - February 20 – Community Service Event – Adopt-a-Road
  - March 3 – Lake Stevens High School ASCE Civil Engineering Club Meeting
  - March 4-6 – Annual YMF Ski Retreat in Leavenworth (joint with North Branch and Portland)
  - March 17 – Lake Stevens High School ASCE Civil Engineering Club Meeting
  - March 28 – Tour at Pike Place MarketFront Project and Seattle Happy Hour @ Alibi Room
  - March 31 – Lake Stevens High School ASCE Civil Engineering Club Meeting
  - April 14 – Lake Stevens High School ASCE Civil Engineering Club Meeting
  - April 28 – Lake Stevens High School ASCE Civil Engineering Club Meeting
  - April 30th – Habitat for Humanity
  - May 12 – Lake Stevens High School ASCE Civil Engineering Club Meeting
- Committee Activities
  - On-going soccer league
  - Planning the Supercharge Your Career Series event for Saturday. Everything is set. Registration closes Wednesday
  - WRYMC 2016 was a huge success.
  - Found a K-12 Outreach Chair, a recent grad from UW.

## New Members

The following members enrolled to the Seattle Section as of April 4, 2016.

|                 |                        |                      |                     |
|-----------------|------------------------|----------------------|---------------------|
| Tony Ableman    | Fausto Figueroa Sotelo | Kari Lei             | Nelson Sterling     |
| Mishal Alashari | Claire FitzGerald      | Jane Li              | Mauricio Stoppa     |
| Leigh Allison   | Todd Freeman           | Alexander Liu        | Kalei Sur           |
| Kevin Aswegan   | Rachel Freeman         | Jenna Louie          | Samantha Taylor     |
| Daniel Baguyo   | Derek Grein            | Mark Mockett         | Jason Thome         |
| Dirk Bakker     | Christopher Halamek    | Delton Oki           | Erica Tran          |
| Andrew Bickley  | Sarah Hamilton         | Alexander Pangelinan | Anna Tsai           |
| Alex Buescher   | Alec Harrison          | Andrew Piccini       | Sean Umeda          |
| Nathan Canney   | Justin Ho              | Martha Quigg         | Jaime Valdivia      |
| Nicole Carter   | Jennifer Hoefel        | Harry Rodin          | Doug Watt           |
| Chi Chan        | Christian Hubbell      | Marianne Rojas       | Alexander Weatbrook |
| Esther Chang    | Daniel Hutabarat       | Gordon Salemann      | Kennedy Whalen      |
| Xinqiang Chen   | Amani Kimambo Jr.      | Ian Smith            | Richard Wiebe       |
| Thomas Cheong   | Abigail Kirsten        | Melina Soto          | Erin Youell         |
| Cameron Culp    | John Lasley            | Nathan Sparks        | Dominic Zaccardi    |
| Devin Eliason   | Anna Lee               | Cassandra Steffen    | Dillon Zang         |

Interested in getting involved in the Green Building Industry?

# LEED® GREEN ASSOCIATE TRAINING

When: April 16<sup>th</sup> 2016 – 1:00PM – 5:00PM

Where: UW Seattle - Loew Hall - Room 102

Registration: <http://leadinggreen.ca/uwseattle>

LEED (Leadership in Energy and Environmental Design) is a green-rating point system, a scorecard to certify sustainably designed and constructed buildings. The LEED Green Associate (GA) credential shows employers that you are environmentally conscious and knowledgeable.

LeadingGREEN offers the most affordable live LEED Green Associate Training in the world, while still maintaining a **100% exam pass rate**.

**\$200**

for full-time students

\$300 non-students

(comparable courses start at \$700)

## Course Itinerary:

1. All necessary course materials distributed
2. In-depth overview of LEED including all topics covered on the exam
3. How to succeed on the actual LEED GA exam, what to expect and how to register

## Post Class\*:

1. Online Access to recordings and materials
2. Four Mock Exams (400 Questions)
3. Anytime assistance through LEEP AP+ staff
4. Study Guide helping you pass your first try!

\* through LeadingGREEN's On-Demand website service

## TO REGISTER VISIT:

[www.LeadngGreen.ca](http://www.LeadngGreen.ca)

PICK YOUR STATE +  
Reserve your spot today!



Contact the instructor:  
**Lorne Mlotek**,  
BASc., LEED AP BD+C, O+M  
[info@LeadingGREEN.ca](mailto:info@LeadingGREEN.ca)  
585-764-5423 / 416-824-2677