



SEATTLE SECTION NEWSLETTER

March 2016
Volume 51 No. 7

Section Officers

October 1, 2015 – September 30, 2016

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WEBMASTER

Eric Knigge
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Joint Meeting between ASCE Seattle Section and the Structural Engineers Association of Washington (SEAW)

Tuesday, March 15, 2016

Place: Galliano's Cucina
16435 Military Rd S, SeaTac, WA 98188

Cost: SEAW/ASCE Members \$30
Non-members \$40
Students \$15

Meal: Chicken Picatta -or- Eggplant Lasagna

5:00 p.m.	Social Hour
6:30 p.m.	Dinner
7:00 p.m.	Program
8:30 p.m.	Informal Q & A with Mr. Uang
9:00 p.m.	End

[Click Here](#) to register at the SEAW website

Program: What Seismic Steel Design Is All About

*Chia-Ming Uang, Professor
Department of Structural Engineering
University of California, San Diego*

Significant revisions and additions of design requirements including new lateral load-resisting systems have been introduced to the AISC Seismic Provisions since it was first published in 1990. While the design requirements stipulated in these Provisions have seemingly become more complex and overwhelming over the years, the basic seismic design philosophy remains the same. A historical perspective of the code development, including the challenges faced and the strategies developed, leading to modern seismic design provisions is presented. Examples from laboratory testing are provided to demonstrate some key issues. This presentation also aims to demystify the intrinsic and yet significant relationship between the AISC Seismic Provisions and the R-factor seismic design procedure in ASCE 7, and show how they work together to provide well-designed steel building structures.

The next newsletter deadline is:
5:00 p.m.
Sunday, March 20, 2016

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#### 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).

## President's Column

By Diana Hasegan, PE, ENV SP  
Vice-Chair of the Seattle Section Sustainability Committee  
Member on the Committee on Sustainability

### Building the Urgency and Proposing Solutions for a Sustainable Future *ASCE Sustainability Summit Recap*

From January 7th through the 9th, 2016, ASCE Society Leadership and the Committee on Sustainability brought together over 100 leaders and stakeholders in the civil infrastructure and sustainability fields at the Sustainability Summit in Herndon, Virginia. Building on ASCE's aspirational Vision for Civil Engineering 2025, the group was tasked with developing an action plan to transform the civil engineers' role and practice for the future.

There were many key stakeholders present to collaborate how to not only make sustainability a key issue in front of everyone from high-level officials to engineers and down to the user, but to create a shift from the stationarity mindset of the environment to proactively design for changing conditions. As civil engineers, we are stewards of the environments. As Ron Sims, former U.S. Housing and Urban Development deputy secretary, said at the Summit, "If civil engineers open the door, we will see extraordinary things happen. If they let the door remain shut, I think the impact will be very negative."

Discussions involved how to create greater urgency to adopt sustainability practices, civil engineers' leadership role in driving sustainable solutions, tangible measures of success, and building the business case for sustainable infrastructure development. Leadership increasingly means working to serve the complete project from the early stages of project inception.

As Sims succinctly presented, our society will either succeed because of the civil engineers' skills, or we will fail because of our indifference. With this parting thought, I urge you to get engaged within ASCE and at your workplace in thinking how you can make positive changes day after day to build towards a sustainable future.

For a video from the Summit, visit [http://blogs.asce.org/leading-force-in-sustainability-discusses-what-needs-to-happen-now/?\\_ga=1.87150552.1121008367.1452552278](http://blogs.asce.org/leading-force-in-sustainability-discusses-what-needs-to-happen-now/?_ga=1.87150552.1121008367.1452552278)

## March Speaker Bio

**Chia-Ming Uang** is a Professor in the Department of Structural Engineering at the University of California, San Diego (UCSD). He received a B.S. in civil engineering from National Taiwan University, and M.S. and Ph.D. in structural engineering at the University of California, Berkeley. He is a member of the American Institute of Steel Construction, the American Society of Civil Engineers, the Earthquake Engineering Research Institute, the American Welding Society, and the Structural Engineers Association of California. For AISC, he serves on the Committee of Specifications, Committee of Research, and Connection Prequalification Review Panel.

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Professor Uang's research is in the seismic design, rehabilitation, and testing of large-scale steel structures, including buildings and bridges. Uang received the T.R. Higgins Lectureship Award in 2015 and a Special Achievement Award in 2007 for his contributions in re-

search and service to the steel industry. He also received three research awards from American Society of Civil Engineers: Raymond C. Reese Research Prize in 2001 as well as Moisseiff Awards in 2004 and 2014. Uang is co-author of two textbooks on structural analysis and structural steel design and three book chapters.

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## Seattle Section Sustainability Committee Holding Tour of Bullitt Center

The ASCE Seattle Section Sustainability Committee will hold a technical tour of the Bullitt Center on March 30, 2016 at 4:00 p.m. The Bullitt Center, located near Seattle's Capitol Hill, is a certified "Living Building" and is considered the "Greenest Commercial Building in the world!" To hold this

certification, the structure must produce as much energy as it uses, capture and treat rainwater for all its needs, and meet rigorous material standards. The building houses the Bullitt Foundation, a non-profit focused on urban ecology and creator of the center, as well as several other tenants. This technical tour will provide an in depth look at the progressive systems and materials used to make this an incredible feat of engineering and environmental leadership.



A happy hour will follow at the Elysian Capitol Hill Brewery, just two blocks from the Bullitt Center. Registration is \$10 for the tour. The tour is approximately an hour. Please bring cash or check. [Click here](#) to register.

For questions, please contact Britta Moore, Technical Outreach, at [Britta.Moore@pacar.com](mailto:Britta.Moore@pacar.com).

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## Call for Entries for LOCEAA Awards

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

Did you complete an innovative project in 2015 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 the newsletter and our website, [www.seattleasce.org](http://www.seattleasce.org). **Applications are due March 11, 2016.**

**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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## Nominations Open for Region 8 Engineer and Projects of the Year Awards

The ASCE Region 8 Board of Governors is requesting nominations for Region 8 Engineer of the Year Awards and Project of the Year Awards.

Awards will be given in the following categories:

- Region 8 Engineer of the Year (Five Categories: Design, Education, Construction, Government, and Management)
- Project of the Year Completed in 2015 (>\$10 million)
- Project of the Year Completed in 2015 (<\$10 million)

Award Goals:

- Recognize outstanding achievement at the regional level

- Identify strong candidates for the Society awards
- Foster expanded member and public recognition of civil engineering achievements

ASCE Region 8 covers the following states and sections: Alaska, Arizona, Columbia Section, Hawaii, Inland Empire Section, Montana, Nevada, Oregon, Seattle Section, Southern Idaho Section, Tacoma-Olympia Section, Washington, and Utah

The application process is simple and straightforward. **The deadline is April 1, 2016.**

For more information, award descriptions, and nomination forms, visit [www.asce.org/region-8-awards/](http://www.asce.org/region-8-awards/).

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## Call for Seattle Section 2016–2017 Officer Nominations

By Stefanie Herzstein, PE, PTOE, 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 2016–2017 Board positions. The election will be held in April/May 2016 and terms will begin in October 2016. 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.

**Treasurer:** The Treasurer is responsible for handling the funds of the Section, insuring their secure and prudent use. In addition, the Treasurer is responsible for Section receipts, expenditures, investments in accordance with the Board approved budget, and filing Section taxes. The Treasurer serves as chair of the Budget Committee

and Board Contact to the Audit Committee. The term of office is 2 years.

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

If you are interested in being nominated, would like to nominate someone, or to learn more please contact [stefanie.herzstein@transpogroup.com](mailto:stefanie.herzstein@transpogroup.com) or 425-896-5219. The deadline for nominations is March 31, 2016.

I hope you will consider becoming actively involved in the Seattle Section because even a small amount of time can make a difference in what you and other members get out of ASCE. Member participation is key in continuing to bring you programs, training, community outreach opportunities, and more.

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## ASCE Seattle Section Executive Board Minutes for January 28, 2016 Meeting

### Attendees:

Amanda Shellenberger  
Courtney Davis  
Don Nguyen  
Evan Sheesley  
Gene Gladden  
Jessica Aguilar  
Kelli Dean  
Shailee Sztern  
Stef Herzstein  
Tony Nguyen

Meeting called to order at 4:35pm by Evan. MOTION to approve agenda by Gene and seconded by Kelli. Passed unanimously.

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

### Old Business

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

- Audit Committee Jamie Saez will volunteer.
- Lifeline : Jamie Saez says he may want to volunteer.

### New Business

#### **Treasurer's Report**

- Gene introduced Shailee to be nominated for Treasurer next year.
- Approval of November/December/January Reports
  - Motion to approve by Courtney and seconded by Stef. Passed unanimously.
- Discussion of Reports
  - Not over budget in any of the budget items.
  - Have not updated to 2016 QUICKEN but will have three year of upgrades on it when updated to 2016
  - Getting three CPA prices and Gene will coach them and coordinate with ASCE national on how to do our taxes. About \$200 expected for CPA cost.

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

- Up in membership. A lot of Sound transit folks joined. Not a significant change from last year but great that more public sector folks are joining.
- Courtney brought up the point of the At-Risk membership list sent during the MRLC 2016. Evan will send Kelli the list for review.

### **Standing Committee**

- Report Action Items – A. Schweickert-Not Present
  - Legislative
    - Need to confirm with Gene on the AELC back dues owed by ASCE
  - EWB-USA Puget Sound Professionals (PSP) Chapter
    - Need to confirm with Gene on the status of the EWB donation
  - Public Information
    - 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.
    - Do we need more for Public Information?
- Additional Board Discussions – Evan
  - Rebuilding Together
    - 2/5 Deadline to sponsor a house for rebuilding together is \$3k. Currently have \$2k in budget. Need Board approval on funds. Master's Builders has fallen through.
    - April 30<sup>th</sup> is the date.
    - Motion to approve extra \$1000 Kelli seconded by Stef. Passed unanimously.
  - March/April Meetings
    - Professional practices talk through SEAW in March fell through due to time conflict. Seismic design of steel topic instead. March 15<sup>th</sup>.

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

- Status of budget request: Gene has received the budget request and check will be pending.

### **Technical Committee Report Action Items** – Lisa-Not Present

### **YMF Action Items** – Courtney

- Amanda S. is giving a professional development talk at AnchorQEA office. The following weekend we will have PSB.
- Eset asking for volunteers at ASCE table at PSEC.
- Working on large group award for YMF. Points included for hosting seminar, writing papers, and winning awards among other categories

### Other New Business

- Nomination Committee & Board Nominations – Stef

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- Asking for volunteers. Treasurer, President-Elect, Director of Technical Committees. Let Stef know by end of March so we can get bios for April. Elections in May. Gene and Evan have volunteered for the committee. People can self-nominate.
- Connecting with Washington Sections – Evan
  - April 9<sup>th</sup>. Full day workshop in City of Tacoma offices.

## **Miscellaneous**

### **Announcements**

- Section is seeking new Board Members (President-Elect, Treasurer, and Director of Technical Committees) – nominations due to the Past President, Stefanie Herzstein by the April meeting / Elections will be in May.
- LOCEAA applications are posted on the Section website and deadline is March 11 – an announcement was made in the Section Newsletter and DJC.
- PSEC Awards Dinner.
- PSB and WRYMC Awards announcements.

Next board meeting will be February 15<sup>th</sup>.

Next Membership Meeting will be on March 15<sup>th</sup>.

Meeting called to a close at 5:28 pm.

Attached are Board Member Reports.

## **BOARD REPORTS**

### **Membership Chair Report – Kelli**

- Based on the new membership information from the ASCE national database, downloaded on January 4, 2016; 15 new members have enrolled with the Seattle Section since December 06, 2015.
- As of January 4, 2016, the Seattle Section and Branches have 2,476 members (Seattle 2,172, Boeing 18, North branch 135, Kitsap 151); no significant changes from December to January. There are 29 more members than the same time a year ago. There are 731 YMF members at this time.
- The membership database received from ASCE headquarters was found to have 24 duplicates this month. The numbers provided in this report do not include the duplicate entries.

### **Standing Committee Report – Amanda Schweickert**

- **Audit Committee** – Jaime Saez
  - Kelli Dean contacted Jaime Saez. Jaime has agreed.

- **ASCE/SEAW Lifeline & Earthquake Engineering Committee** – VACANT
  - VACANT
- **Legislative Committee** – Shane Binder
  - Set up a community for the Legislative Committee on Higher Logic; Shane is the administrator.
  - Shane Binder will be attending the Legislative Fly-In
    - Courtney Davis and Diana Hasegan applied to attend but both had to pull their applications because of other commitments
- **Action Items**
  - Need to confirm with Gene on the AELC back dues owed by ASCE
- **Diversity Committee** – Diana Giraldo/Jaclyn Hayden
  - No Update
- **History and Heritage** – Cindy Hirsch
  - The History & Heritage Committee has resumed work on its brochure of ASCE National Historic Civil Engineering Landmarks. The content is close to being done and the images selected. The committee will be asking the board for some funds once we can get an estimate for brochure development. The funds will be used for securing the images and funds for hiring someone to create a map & a graphically developed brochure. The case for having a polished brochure even in .pdf form downloadable on our website is to be able to share the engineering achievements of the area with the greater public. It's publicity and education. If someone has a brochure with the physical locations of the landmarks they will be more likely to go and check them out.
  - Getting the latest archivables and then having them professionally processed.
- **House and Hospitality** – Don Nguyen/Katie Sultan-Wright
  - Set up a community for the House and Hospitality Committee on Higher Logic; Don is the administrator
- **Order of the Engineer** – Amy Riley
  - No Update
- **Professional Practice** – Ed Huston
  - No Updates
- **Program Chair** – Younes Nouri
  - No Updates
- **RH Thomson Scholarship** – Emily Spahn/Casey Nelson/Lorelei Williams
  - No Updates

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- **Public Information** – Rachel Blomker PRR Biz will decide
  - Rachel Blomker has left the company. I received an automatic reply to contact Kirsten Hauge but was also sent an automatic response saying she was out of the office.
  - Contacted Kirsten and she helped us find someone to get the announcement for the Local Outstanding Civil Engineering Achievement Awards has been released.
  - 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. Do we need more for Public Information?
- **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.
  - **Planned Activities**
    - Engineering Mentor Night at Seattle Central College Thursday January 21st – (event has sufficient CE mentors)
    - 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 is sponsoring a Table for 10 – Contact Evan for signup details
      - Seattle Section members receiving awards at the banquet 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)
- **University Advisory Committee** – Amy Riley
  - No Update
- **Washington State Board of Registration Representative** – VACANT
  - Vacant
- **EWB-USA Puget Sound Professionals (PSP) Chapter** – Eset Alemu
  - **Action item**
    - Need to confirm with Gene on the status of the EWB donation
- **Community Service** – Kristina Lowthian
  - We had 10 volunteers who helped repack rice to provide thousands of meals throughout Washington State, which occurred on Jan 16th at Northwest Harvest in Kent.
  - Next event: 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 – Meetings have already started for Rebuilding Together that we have not attended because ASCE needs to decide on if we will be hosting a house.
      - The cost of the house is \$5000, but there is a 40% discount for non-profits.
      - The decision needs to be made by Feb.1, so Ross/Jessica can start planning, finding volunteers and attending the meetings.
      - Lisa had mentioned finding a partner for the house but have not heard back about it.
      - Currently, we have \$2000 budgeted and need \$1000 in addition to sponsor a house.
      - Jessica will attend the call to answer questions.
    - Please advertise the next service event in the ASCE newsletter, Adopt-A-Road. The event information is above.
- **K-12 Outreach** – Eset Alemu and Vacant
  - No Update

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**Branch Report** – Amanda Shellenberger

- **North Branch** (by Melissa Gehrmann)
  - John Gaffney has recently moved out of state and is no longer with the ASCE north branch. As such, we held a secondary election and have transitioned officer roles as follows:
    - President: Melissa Gehrmann
    - President Elect: Aaron Hartvigsen-[ahartvigsen@geoengineers.com](mailto:ahartvigsen@geoengineers.com)
    - Secretary Treasurer Erik Andersen-[eandersen@aspectconsulting.com](mailto:eandersen@aspectconsulting.com)
- **Kitsap Branch** (by David Dinkuhn and Shylo Shorthouse)
  - We did not have a meeting this month because I was sick. David and I did meet. We are planning on mentoring the engineering class at Olympic College (OC) in their design class. We have reached out to Dr. Jeff Brown, engineering teacher at OC and Marvin Pitts, Washington State University Program Coordinator at OC to schedule a meeting. We are also 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.
  - Next Meeting: February 9th at Parametrix office in Bremerton: Drone Survey Technology (Hosted by David Dinkuhn)

**YMF Report** – Courtney

- **Past Events**
  - September 28 – December 18 – ASCE Soccer Team – Fall Season [9 YMs]
    - Games are on Wednesday evenings at various fields around Seattle. All experience levels are welcome to join.
  - December 4 – UW Fall Social [ ]
  - December 6 – Volunteer Event – PNA Winter Festival & Crafts Fair Cleanup [3 YMS]
    - On December 6<sup>th</sup>, 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. Three younger members moved furniture, swept the floors, and took out the garbage.
- December 10 – Volunteer Event – Franklin High School & WTS [2YMs, 2WTS YMs, 100 students]
  - Presented to the female students about popsicle stick bridge and then helped them build a bridge out of toothpicks and gum drops.
- December 14 – Annual YMF Holiday Party & Toys for Tots Drive (Eastside/Seattle Joint) [40+ YMs & Students]
  - Younger Members and Students played mini-golf while enjoying a glass of their favorite craft beer. Appetizers and raffle prizes were provided. Extra raffle tickets were given to those that brought an unwrapped gift for the annual toy drive.
  - Those that brought a co-worker or friend that is a new member was able to pick up an extra raffle ticket, too.
  - WRYMC 2015 T-Shirts and gift cards were raffled off as prizes.
- December 16 – YMF Officers Conference Call [14 YMs]
  - Discussed everything happening within the YMF. Talked about finance, activities, and volunteer events.
- December 17 – Lake Stevens High School ASCE Civil Engineering Club Meeting [1YM, 3 students]
  - Built structurally sounds gingerbread houses and talked about what Structural Engineering is. Also, talked about what kind of work WJE does and how it is different than other Civil Engineering firms.

• **Upcoming Events**

- January 7 – Lake Stevens High School ASCE Civil Engineering Club Meeting
- January 13 – YMF Officers Conference Call
- January 14 – Seattle Networking @ Re:Public Restaurant and Bar
- January 16 – Volunteer Event – Northwest Harvest Rice Packing
- January 18 – Eastside Networking @ MOD Pizza
- January 19 – PSB Volunteer Meeting @ COWI Seattle
- January 21 – Lake Stevens High School ASCE Civil Engineering Club Meeting
- January 23 – Future City Competition Judging

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- January 22-24 - WRYMC 2016 Anchorage
- January 28 - Seattle Section Dinner Meeting
- January 30 - Supercharge your Career Series
- February 6 - PSEC Engineering Fair at the Museum of Flight
- February 6 - Popsicle Stick Bridge Competition 2015
- March 4-6 - Annual YMF Ski Retreat in Leavenworth (joint with North Branch and Portland)

• **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.

## 2015/2016 Fall/Winter Continuing Education Seminars and Workshops for ASCE Region 8

The following seminars and workshops have been produced by ASCE’s Continuing Education Department with ASCE members in mind.

| <b>Program</b>                                                                                                  | <b>Dates</b>      | <b>Location</b> |
|-----------------------------------------------------------------------------------------------------------------|-------------------|-----------------|
| Structural Design for Bomb Blast Loads and Accidental Chemical Explosions (Buildings and Industrial Facilities) | March 2-4, 2016   | Las Vegas, NV   |
| Water Hammer in Transmission and Distribution Systems                                                           | March 10-11, 2016 | Seattle, WA     |
| Aluminum Structural Design with the 2015 Aluminum Design Manual – NEWLY UPDATED                                 | March 17-18, 2016 | Scottsdale, AZ  |
| Design of Concrete Pavements                                                                                    | March 17-18, 2016 | Portland, OR    |

## New Members

The following members enrolled to the Seattle Section as of February 7, 2016.

|                    |                |                   |
|--------------------|----------------|-------------------|
| Steve Andrews      | Janice Zahn    | Bill Koch         |
| Jonathan Cracolici | Matisen Anders | Jonathan Owen     |
| Abbie Lorensen     | Ethan Baker    | Adam Pruitt       |
| Danbi Won          | Andre La Rosa  | Raymond Rockstead |
| Siddharth Chhabra  | Patrick Brock  |                   |
| Derek Doell        | Connor Flora   |                   |

# CALL FOR ENTRIES

## 2016

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

*Entries are due by*

**March 11, 2016**

*Application and rules are  
available at*

*[www.seattleasce.org](http://www.seattleasce.org)*

2015 LOCEA Award Winners – South Park Bridge Replacement Project, Seahurst Park Phase II Ecosystem Restoration Project, Greer River Filtration Facility, 25th Street Bike and Pedestrian Improvement Project, and North Summit Park Design and Construction



## Your Project Deserves Recognition!

Did you complete an innovative project in 2015? Be sure to apply for recognition on the ASCE Seattle Section website. A feature article in *Daily Journal of Commerce*. A prestigious recognition on your resume.

organization, and clients. The application process is easy!

Winners receive important benefits, including:

- J A presentation about your project at the June ASCE Seattle Section meeting.
- J Award plaques for your organization and client.
- J A feature page in the ASCE Seattle Section newsletter, which reaches over 2000 civil engineers in the Puget Sound area.

Entries are due **March 11, 2016**.  
Applications and rules are available at [www.seattleasce.org](http://www.seattleasce.org)

