



SEATTLE SECTION NEWSLETTER

November 2015
Volume 51 No. 3

Section Officers

October 1, 2015 – September 30, 2016

SEATTLE SECTION OFFICERS

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Tony Nguyen, *Secretary* 425-450-6309
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amy.riley@seattleu.gov

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NORTH BRANCH OFFICERS

Gabe Ng, *President* 206-718-5252

BOEING BRANCH OFFICER

Vinny Avendano, *President*
vinicio.p.avendano@boeing.com

WEBMASTER

Eric Knigge
seattleasce@yahoo.com

ASCE Seattle Section Joint Meeting with ASCE COPRI Seattle Chapter

Thursday, November 19, 2015

Place: Mirabella
116 Fairview Ave N, Seattle, WA 98109

Cost: Early Bird Registration:
\$40 General Admission
\$20 for students and free agents
**(Early Bird registration rates apply until 5:30 pm Friday,
November 13.)**

After November 13 and at the door:
\$45 General Admission

Meal: TBD

[Click here to register.](#)

For assistance with online registration, please contact
Pooja Jain at 206-622-0222 or pjain@moffattnichol.com

Direct questions or comments regarding meetings to
Section President Evan Sheesley at
seattleascepresident@gmail.com

Program — Introduction of New ASCE Manual of Practice (MOP), Mooring of Ships to Piers and Wharves

The new manual of practice for mooring of ships to piers and wharves will be introduced at the November ASCE/COPRI meeting. ASCE Mooring analysis task committee has put forth an effort for over 12 years to publish this manual to provide general guidance to determine forces acting upon waterfront facilities due to berthed vessels and to provide background to safe and efficient fixed mooring design practice. The ultimate goal is to provide vessels with a “safe berth” with adequate and sound mooring structures and arrangements.

The next newsletter deadline is:
5:00 p.m.
Friday, November 20, 2015

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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).

## President's Column

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

Fellow ASCE Seattle Members,

Are you taking full advantage of your ASCE membership?

I challenge you right now to login to your [ASCE account](#) and check out the range of online webinars, for free, which you can use to brush up on your professional and technical skills. A few colleagues and I did this a couple of months ago. We enjoyed and learned a lot from the series of webinars on Delegation, Marketing, Mentoring, and Project Management by Stu Welsh. These webinars also count towards fulfilling continuing education requirements. You get 5 ASCE webinars with your membership (a value of nearly \$1,000).

There are also chances to win by renewing your membership early. The Younger Member Forum and our President-Elect, Kelli Dean, are heading up the annual membership drive. This contest gives \$1,000 to each section and YMF group who has the highest percentage of membership renewals before December 11th. If you renew early, you will be entered into a local drawing for one of several \$20 gift cards. Visit [www.asce.org](http://www.asce.org) to renew and win.

Though I imagine that many of you, like me, are a member of ASCE because of the great networking and technical development opportunities. One of the best ways to advance the profession is to share ideas. ASCE provides many opportunities for this to happen such as national conferences, technical committees, and locally at one of the many monthly events put on by ASCE Seattle. Because of your involvement, ASCE is viewed around the world as a leader in the engineering profession.

Thank you for your continued membership and I look forward to seeing you soon at the next ASCE Seattle membership meeting.

## October Speaker Bio

**Dr. Willy Ahn** is a senior engineer with Reid Middleton specializing in waterfront and port engineering. Willy's waterfront experience includes commercial/industrial marine and port facilities, marinas, NAVY facilities, and ferry terminals. He has been project manager on numerous waterfront projects and marine structural engineer providing durable and cost-effective designs of various waterfront facilities for over 24 years. He has been serving in the ASCE/COPRI mooring analysis task committee for many years. He published over 30 papers in journals, book chapters, and conference proceedings in the area of waterfront engineering and received several awards for his outstanding performance.

## New Member Report

Based on the new membership information from the ASCE national database, the following members enrolled to the Seattle Section between September 1, 2015 and October 4, 2015.

Makayla Bowdish  
Connor Miller  
Christopher Neisius  
Annaliese Eipert  
Aiden Bernhardt  
Chris Gateley  
Garrett Peterson  
Madeline Burke

Larry Leone  
Jae Jose  
Mireille Fogang  
Hamza Nasif  
Samantha Schwisow  
Brandon Beaudette  
Trevor Louviere  
Alexander Leal



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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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### Senior Forensic Engineers

Want to be part of a California Catastrophe Response Team? Want to manage forensic challenging and complex projects? Do you like a technical challenge? Be part of history as you work on projects that will help our community.

We're searching for talented and go-getter Senior Forensic Engineers for our Catastrophe Team in California offices. We are passionate about our work and love what we do! If you believe you have what it takes to make a difference, we want to hear from you!

Check out our website and see why Delta is the difference!

<http://www.groupdelta.com/qualifications.html>

<http://www.groupdelta.com/>

Responsibilities will include, but not limited to:

- Prompt and exemplary customer service skills
- Ability to perform site inspections independently
- Effective written and verbal communication with clients, homeowners, attorneys, and Group Delta team members
- Perform any necessary research & provide detailed reports of findings to client
- Travel throughout California for typical and post-disaster insurance inspections or trial/expert witness requirements
- Ability to cultivate and foster long-term professional relationships with clients

Required Knowledge includes:

- Bachelor's degree in Civil or Architectural Engineering from an accredited University
- PE is strongly preferred
- 5+ years Forensic investigation experience is required
- Past litigation experience is required
- Practical Engineering background with experience in structural damage evaluations and structural analysis
- Experience with structural engineering design and detail repairs for damaged structures
- Experience in post catastrophe damage evaluations, e.g. earthquake/hurricane/wind/floods a plus
- Ability and desire to share forensic and litigation/deposition knowledge to less experienced team members preferred



### Everett, WA - Entry Level Engineer, Marine Structural Engineering

Marine structural engineers have the opportunity to work on a wide range of projects - from marine terminals, piers, and bulkheads to boat launches and marinas. We are looking for an entry level structural engineer to join our waterfront engineering practice with opportunities for challenging design, professional development, and professional growth in our Everett, WA, office. Our north-end location offers an easier, more convenient and affordable lifestyle than found in other Puget Sound urban communities.

We are looking for a highly qualified and motivated entry-level engineer (Designer) to join our marine structural engineering team.

Requirements for this position include the following:

- Bachelor's Degree in Civil or Structural Engineering.

- Licensing as an Engineer-In-Training.
- Knowledge of AutoCAD and Microsoft Office software.
- Master's Degree in Structural Engineering (preferred).
- Experience with structural analyses and design software, such as Visual Analyses, ETABS, SAP, SAFE, Perform 3D, and Revit Building Information Modeling (BIM) software.

The successful candidate must possess excellent interpersonal and communication skills and the ability to participate within a team of engineers and drafters to engage in structural analysis and design of systems in concrete, wood, composites, and steel.

To apply for this position, send a cover letter and resume to

[jobs@reidmiddleton.com](mailto:jobs@reidmiddleton.com). To learn more

about us, visit our website at

[www.reidmiddleton.com](http://www.reidmiddleton.com). We are also on Facebook and LinkedIn; links to these sites and our Reid Our Blog are on the home page of our website.

### Company Information

REID MIDDLETON, INC., is an employee-owned civil and structural engineering firm with a 62-year history of service to public and private clients throughout the Pacific Rim, including Hawaii and Alaska. We are headquartered in Everett, Washington, with additional offices in Spokane, WA; San Diego, CA; Anchorage, AK; and Honolulu, HI. We have a culture of hard working and highly motivated people who are committed to each other's successes. We believe in flexible work schedules, celebrating our successes, and enjoying our time away from work.

Our firm's market-focused organization includes a diverse portfolio of Aviation, Civic/Municipal, Commercial, Education, Healthcare, Industrial, Military, Transportation, and Waterfront projects.

*Reid Middleton is a federal contractor subject to the requirements of the Vietnam Era Veterans Readjustment Assistance Act (VEVRAA).*

*EOE/Minorities/Females/Veterans/Disabled*

See **Employment Notices** on page 5



**Everett, WA - Project Engineer, Marine Structural Engineering**

Marine structural engineers have the opportunity to work on a wide range of projects - from marine terminals, piers, and bulkheads to boat launches and marinas. We are looking for a structural Project Engineer to join our waterfront engineering practice with opportunities for challenging design, professional development, and professional growth in our Everett, WA, office. Our north-end location offers an easier, more convenient and affordable lifestyle than found in other Puget Sound urban communities.

We are looking for a highly qualified and motivated Project Engineer to join our marine structural engineering team.

Requirements for this position include the following:

- Bachelor's Degree in Civil or Structural Engineering.
- Master's Degree in Structural Engineering (preferred).

- Licensed as a Professional Engineer (PE) or EIT with the ability to take the PE within one year.
- Minimum of five years' experience in marine structural engineering.
- Working knowledge of structural theory and design principles.
- Knowledge of AutoCAD and Microsoft Office software.
- Experience with structural analyses and design software, such as Visual Analyses, ETABS, SAP, SAFE, Perform 3D, and Revit Building Information Modeling (BIM) software.
- Familiar with in-water permitting processes and ESA issues.

The successful candidate must possess excellent interpersonal and communication skills and the ability to participate within a team of engineers and drafters to engage in structural analysis and design of systems in concrete, wood, composites, and steel. Primary responsibilities will include: Working collaboratively with technical and professional staff, engineering design development of design drawings, specifications, and cost estimates, preparation of design documents, coordinating subconsultants, and conducting condition inspections.

To apply for this position, send a cover letter and resume to [jobs@reidmiddleton.com](mailto:jobs@reidmiddleton.com). To learn more about us, visit our website at [www.reidmiddleton.com](http://www.reidmiddleton.com). We are also on Facebook and LinkedIn; links to these sites and our Reid Our Blog are on the home page of our website.

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and on the Seattle Section Web Site**

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on page 2**



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## ASCE Seattle Section Executive Board Minutes for September 9, 2015 Meeting

### Attendees:

Stefanie Herzstein  
Elizabeth Clark  
Evan Sheesley  
Jessica Aguilar  
Gene Gladden  
Kelli Dean  
Tony Nguyen  
Lisa Harbert  
Courtney Davis

Meeting called to order at 4:33 pm by Stefanie. MOTION to approve agenda and passed unanimously.

MOTION to approve meeting minutes for June and passed unanimously.

### Old Business

- Post disaster program/ RCW progress.
- Lisa continued coordination with Master Builders.

### New Business

#### Treasurer's Report

- Discussed draft budget and made the following changes:
  - Added \$900 to Engineers Without Borders based on a request.
  - Reduced the budget for sending someone to the ASCE national conference to \$1,680.
  - Reduced the negative expenses from \$165 to \$0.
  - MOTION to approve operating budget with amended changes for 2015/2016 and passed unanimously.

#### Membership Chair Report

- As of August 26, 2015, the Seattle Section and Branches have 2,483 members, an increase of 90 members since the end of May and 127 more than the same time last year.

### Standing Committees Report

- **Audit Committee:**
  - No updates.
- **Diversity Committee:**
  - Jacquelyn Hayden is the new volunteer.
  - Set up two Franklin Covey training sessions.
- **House and Hospitality Committee:**
  - Do we want to think about the next appropriate

time to increase dinner prices? The dinner prices and the locations such as Mirabella have increased. The changes are summarized below:

- Room fee: \$150 increased to \$200
- A/V fee: \$25 increased to \$50
- Guest meals: \$20/person increased to \$28/person
- Tax (applied to total): 9.5% maintained
- Service charge (applied to meals): 18% maintained
- For the typical meeting of 40 attendees, the difference would be approximately \$535 (\$1,211.63 increases to \$1,746.15).

- **Legislative:**

- No update

- **PSEC:**

- Past Activities
  - Bylaw updates
- Planned Activities
  - First meeting after summer break is September 8
  - UW Bothell Engineering Mentor Night - Late October
  - Seattle Pacific University Engineering Mentor Night - Late October

- **RH Thompson Scholarship Chair:**

- Lorelai Williams was recommended and approved unanimously by the Board.

- **University Advisory Committee:**

- No updates.

- **K-12:**

- No updates.

- **Program Chair:**

- No updates.

- **Professional Practice:**

- No updates.

- **EWB Puget Sound Professionals:**

- Would the section like to donate to EWB for the Uganda project? Or put money in the budget for the project.

- **Public Information Chair:**

- No updates.

- **Community Service- YMF:**

- No updates.

- **History and Heritage:**

- No updates.

See [September Minutes](#) on page 7

### Branch Reports and Action Items

- North branch
  - No updates.
- Kitsap branch
  - No updates.
- Boeing branch
  - No update.

### Technical Committees Reports and Action Items

- Geotechnical group
  - Joint Dinner Meeting with AEG Washington Section on Thursday, September 17, 2015. The Topic is "Nepal Earthquake Recovery" and the Speaker is Jared Smith, PE
    - Best Western Executive Inn, 200 Taylor Avenue North, Seattle, WA
    - 4:30-Planning Meeting
    - 5:30-Social Hour
    - 6:30-Dinner
    - 7:30-Program
  - Over the summer break we had our Planning and Vision Meeting and elected new officers:
    - President: Lynn Salvati
    - President-Elect: Elizabeth Lundquist
    - Treasurer: Dila Saidin
    - Education Chair: Ben Blanchette
    - Secretary: Steve Johnson
    - Public Relations: Mark Rohrbach
  - Ports and Harbors
    - Chapter Team:
      - Chair - Pooja Jain, PE, P.Eng, SE
      - Vice Chair - Younes Nouri, PE
      - Treasurer - Hans Hurn
      - Event Coordinators - Ruta Ikuaniece, Morgan McArthur, PE
      - Outgoing Chair - Jon Mjelde, PE, SE
    - Meetings:
      - When:
        - 2015 - September 23, October 29, November 19
        - 2016 - January 27, February 24, March 23, April 28, May 25, June 22
      - Where: Mirabella Seattle, 116 Fairview Ave N, Seattle, WA 98109
      - Program:
        - 5:30 pm Social "Hour"
        - 6:30 pm Dinner
        - 7:15 pm Program

- Structural Committee/ SEAW
  - Nothing new to report.
- Urban Development & Transportation:
  - Nothing new to report.
- Water Resources
  - We had our tour of the Seawall in July with about 20 attendees.
  - We did not have a meeting in August.
  - In September we are planning a presentation on Sept 17th in Seattle by Bob Montgomery with Anchor QEA. Topic is still undecided as we're still waiting for Bob to send us the info.
- Sustainability
  - Nothing new to report.

### YMF

- Past Events
  - March 30 - June 21 - ASCE Soccer Team - Spring Season [10 YMs].
  - Games are on Wednesday evenings at various fields around Seattle. All experience levels are welcome to join.
  - July 12 - Engineers Without Borders - Community Service Event [5 ASCE YMs]. Westside Baby is a local organization that provides/distributes crucial necessities for babies such as cribs, diapers, car seats, and clothing that may otherwise not be affordable for their parents. Only recently Westside Baby experienced a fire at their headquarters which has catalyzed their decision to move locations. Engineers without Borders USA- Puget Sound Professionals has dedicated 4 hours on July 12th at 10:00am to help work on their new location. The work will include such things as; painting, house-keeping, and construction.
  - August 4-5 - National Conference of State Legislatures (NCSL) meeting [6 YMs]. ASCE Seattle had an exciting opportunity to interact with state legislators from across the country. The National Conference of State Legislatures held their annual conference in downtown Seattle August 4-6. ASCE manned a booth in the exhibit hall on August 4-5 and sponsored a bipartisan bike ride with legislators on August 6.
  - August 18 - YMF at EWB presentation [2 YMs]. The Puget Sound chapter invited ASCE back to their monthly meeting to share about what ASCE is doing locally and how the two groups work together. Bethy Clark presented on ASCE's mission, joint work with EWB and how to get more involved in

See [September Minutes](#) on page 8

**September Minutes** (continued from page 7)

the Seattle Section. This is the third event of its kind in two years.

- August 21 – Officers’ Meeting (Budget) & Potluck [12 YMs]. After our potluck, the board went through the next year’s budget items line by line. The excess funds from WRYMC were also discussed and the possibilities for their use were determined. At this time, some of the funds have been allocated and some will be contingency.
- August 22 – Tour of South Park Bridge [12 YMs]. A couple years ago the YMF took a tour of the South Park Bridge Replacement Project while it was still underway. The caissons were still being sunk down; the girders were still being set in place. Now that it’s done, we came back and were given a lengthy tour of the adjacent rain garden, the control tower, the mechanical room, and within the underwater caisson. They even lifted the bridge for us, and we got a very special view of the bridge from beneath the pinion.
- August 27 –Rebuilding Together YPS Summer Social [5 ASCE YMs]. Rebuilding Together Seattle Young Professionals Society (YPS) held their first joint summer social, in collaboration with Seattle ASCE YMF and Structural Engineers Association of WA Younger Members Forum at F.X. McRory’s. It was an event to expand our networks with other young professionals from similar fields, and to learn about ways to get involved with YPS, ASCE, and SEAW alike.
- August 28 – Joint ASCE/SEAW Golf Tournament [48 Attendees]. ASCE and SEAW held a joint annual golf tournament on Friday, August 28th, 2015 organized by their younger member groups. The event was held at Willows Run Golf Club on the Eagle’s Talon course. Members brought their clients and colleagues for a fun afternoon of golfing, networking, and friendly competition! The tournament format was a shotgun 4-man scramble. There was also a putting contest, prizes for longest drive, and prizes for closest to the pin. After the tournament, there was a dinner social, a raffle, and an awards ceremony.
- June 29 – September 20 – ASCE Soccer Team – Summer Season [7 YMs]. Games are on Wednesday evenings at various fields around Seattle. All experience levels are welcome to join.

• Upcoming Events

- September 17 - Networking (Seattle)
- September 14 - Networking (Bellevue)

- September 19-21 – ASCE YMLS
- October 15 – SR 520 Floating Bridge Tour
- November 8-11 – Emerging Leaders Alliance Conference
- February 6 – Popsicle Stick Bridge Competition 2015

• Committee Activities

- On-going soccer league
- Determining the allocation of excess WRYMC funds
- Transitioning officer and chair positions for the new ASCE year

• Action Items

- Taxes are submitted but need to be reviewed by ASCE national.
- New officers are starting this fall but still looking for golf tournament chair:

| Office                                | Name              |
|---------------------------------------|-------------------|
| YMF Board Representative              | Courtney Davis    |
| YMF President                         | Cal Bearman       |
| YMF President-Elect                   | Jared Nakamoto    |
| YMF Treasurer                         | Tara Burton       |
| YMF Secretary                         | Inna Tasmaly      |
| YMF Past Executive                    | Bethy Clark       |
| YMF Bellevue Program Chair            | Leo Moyer         |
| YMF Community Service Chair           | Kristina Lowthian |
| YMF K-12 Student Outreach Chair       | Owen Matsunobu    |
| YMF Popsicle Stick Bridge Coordinator | Don Nguyen        |
| YMF Popsicle Stick Bridge Coordinator | Bobbie Gilmour    |
| YMF Scholarship Chair                 | Diana Hasegan     |
| YMF Seattle Program Chair             | Schylar Hect      |
| YMF University Liaison SU             | Hillary Tervet    |
| YMF University Liaison UW             | Mark Chen         |
| YMF Sports Activities Chair           | Elyssa Dixon      |
| YMF Professional Development Chair    | Lynette Sla       |
| Web Master                            | Eric Knigge       |
| Executive Workshop Chair              | Inna Tasmaly      |

New Business

- None

Miscellaneous

- None

Next board meeting will be October 14.

Meeting called to a close at 5:16 pm.



## 2015 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.

| Program                                                                                                         | Dates                | Location           |
|-----------------------------------------------------------------------------------------------------------------|----------------------|--------------------|
| Soil and Rock Slope Stability                                                                                   | November 5-6, 2015   | Seattle, WA        |
| Pumping Systems Design for Civil Engineers                                                                      | November 12-13, 2015 | Scottsdale, AZ     |
| Modern Bridge Construction: A Trans-Disciplinary Challenge – NEW                                                | November 19-20, 2015 | Portland, OR       |
| Fundamentals of Earthquake Engineering                                                                          | November 19-20, 2015 | Salt Lake City, UT |
| Earth-Retaining Structures: Selection, Design, Construction, and Inspection – Now in an LRFD Design Platform    | December 10-11, 2015 | Scottsdale, AZ     |
| Structural Renovation of Buildings – Newly Updated for 2012 IBC and IEBC                                        | December 10-11, 2015 | Las Vegas, NV      |
| Bridge Rehabilitation                                                                                           | December 10-11, 2015 | Seattle, WA        |
| Design of Lateral Force-Resisting Systems Using the 2015 International Building Code – NEWLY UPDATED            | January 21-22, 2016  | Seattle, WA        |
| Design of Foundations for Dynamic Loads                                                                         | January 27-29, 2016  | Scottsdale, AZ     |
| Dam Breach Analysis Using HEC-RAS                                                                               | February 3-5, 2016   | Las Vegas, NV      |
| Streambank Stabilization for Restoration and Flood Control Projects                                             | February 10-12, 2016 | Seattle, WA        |
| Structural-Vibration Analysis: Design and Troubleshooting                                                       | February 24-26, 2016 | Las Vegas, NV      |
| 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       |



# Be first.

## The 2016 ASCE Section Renewal Race

**Fast Track Our Section to Win \$1,000!**

The three Sections with the highest percentage of renewed members by December 11, 2015, will win a cash prize of \$1,000!

Get into the Renewal Race today, pay your Society and Section dues, and keep our Section on pace to win \$1,000. Your renewal supports valuable local programs and is always appreciated!

Renew your ASCE membership by December 11, 2015 – and encourage fellow Section members to do the same!

**Go to [www.asce.org/finishline](http://www.asce.org/finishline).**

For contest rules, go to [www.asce.org/finishline/rules](http://www.asce.org/finishline/rules).



# WORLD TRADE CENTER: THEN & NOW

**TUESDAY, NOVEMBER 10, 2015**

Benaroya Hall, 200 University St., Seattle, WA

**4:30 p.m.** – Networking Reception (*admission by \$25 donation\**)

**6:00 - 7:15 p.m.** – Lecture (*free*)

Registration encouraged as capacity is limited.

[www.sefw.org](http://www.sefw.org)

*This event will be of great interest to A/E/C professionals, high school and college students, and the general public. \*SEFW is a 501(c)(3) registered nonprofit, and all donations are tax deductible.*

## The Structural Engineers Foundation of Washington 2015 Fall Forum



*Presented by Ahmad Rahimian, PhD, PE, SE, F.ASCE  
Director of USA Structures  
WSP Group; New York, NY*

A great triumph for the United States is the redevelopment and revitalization of the 16-acre World Trade Center site in New York. Dr. Rahimian served as Engineer of Record on the newly completed One World Trade Center (Freedom Tower), which reaches 105 stories and 1,776 feet. His presentation will discuss the challenges and successes of rebuilding on a site of historical significance, cultural sensitivity, and community fortitude.

Dr. Rahimian has also worked on landmark structures such as the Trump World Tower (New York), Torre Mayor (Mexico City), Hearst Tower (New York), Nakheel Tower (Dubai), and the Shard (London).

The discussion will include an introduction by Jon Magnusson, P.E., S.E., Hon. AIA, of Magnusson Klemenc Associates, who will provide a brief history of the original 1960s WTC twin towers and discussion on its cutting-edge structural innovations.

