



SEATTLE SECTION NEWSLETTER

September 2014
Volume 50 No. 1

Section Officers

October 1, 2013 – September 30, 2014

SEATTLE SECTION OFFICERS

Perry Cole, <i>President</i>	425-471-9022
Stefanie Herzstein, <i>President-Elect</i>	425-821-3665
Elizabeth Korb, <i>Secretary</i>	206-331-1176
Sam Swartz, <i>Treasurer & Budget Chair</i>	206-689-3324
James Chae, <i>Immediate Past President</i>	425-990-6832
Mike Harney, <i>Director (2014)</i>	206-695-6850
Jessica Aguilar, <i>Director (2015)</i>	206-357-5625
Lisa Harbert, <i>Director (2016)</i>	425-481-6100

YMF OFFICERS

Elizabeth Clark, <i>President</i>	206-770-3661
Courtney Davis, <i>President-Elect</i>	206-926-0451
Shane Binder, <i>Board Representative</i>	425-821-3665
Adam Hill, <i>Secretary</i>	206-219-5894
James Le, <i>Treasurer</i>	206-382-9800
Amanda Shellenberger, <i>Past Executive</i>	206-903-3371

UW/SEATTLE U CONTACTS

Amy Plunkett, <i>UW Student Chapter Co-President</i>	amaznamy@uw.edu
Devon Becker, <i>UW Student Chapter Co-President</i>	dmb33@uw.edu
Chris Padin, <i>Seattle U Student Chapter President</i>	padinc@seattleu.edu

KITSAP BRANCH OFFICERS

David Dinkuhn, <i>President</i>	360-850-5319
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NORTH BRANCH OFFICERS

John Tuttle, <i>President</i>	360-733-5760
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BOEING BRANCH OFFICER

Vinny Avendano, <i>President</i>	vinicio.p.avendano@boeing.com
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WEBMASTER

Eric Knigge	seattleasce@yahoo.com
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ASCE Seattle Section Meeting

Wednesday, September 10, 2014

Place: McCormick & Schmick's Harborside,
1200 Westlake Ave. N., Seattle, WA 98109

Cost: General Admission \$40
Student or Unemployed \$15
Late General Admission \$45
Late Student or Unemployed \$20

Meal: Meat or Vegan entrees are available.

5:30 Social Hour
6:00 Dinner
7:00 Program

Please make your reservations on or before
11:59 pm on Monday, September 8.

[Register online here](#)

For assistance with online registration, please contact House
and Hospitality at 206-434-6378 or
seattleascereservations@gmail.com

Direct questions or comments regarding meetings to Section
President Perry Cole at seattleascepresident@gmail.com

Program: SR 530 Slide Response and Recovery

The SR 530 slide near Oso was one of Washington's most significant natural disasters.

Along with the tragic loss of life, the landslide significantly altered the geography of the valley, changed the path of the Stillaguamish River, and significantly damaged SR 530. The presentation will describe the Washington State Department of Transportation's response and recovery efforts.

Dave McCormick is the Assistant Regional Administrator of the Northwest Region of WSDOT responsible for Operations.

The deadline for the
October 2014 issue is
5:00 p.m.
Monday, September 22, 2014

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Your newsletter editor is:  
**Todd Crandell**  
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Phone: (206) 459-2250

#### CHANGE OF ADDRESS:

All change of address information (including your e-mail address for the newsletter) should be provided directly 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 50 No. 1, September 2014  
Published 10 times a year

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## President's Column

By Perry R. Cole, P.E., S.E., F.ASCE, Seattle Section President

*Thank you and Farewell!*

Wow, the year has gone by quickly and this is my traditional farewell message. I would like to start by thanking James, Sam, Mike, and Shane for their years of service to the Section. I wish you the best as you fill your newly found free time with family and friends. Please remember that there are many opportunities to stay involved and you are always wel-



come to find a new role. Second, I would like to welcome Evan, Gene, Amanda, and Bethy to the Board. You will find that the next three years will be greatly rewarding, with plenty of opportunities to positively affect the professional and student lives of our Members.

We truly have a great group of Members in the Section! Elsewhere in this newsletter you will find that Amanda Shellenberger led the effort resulting in our YMF winning the 2014 Younger Member Group Award for Large Groups and notice that Shane I. Binder won the 2014 Edmund Friedman Young Engineer Award for Professional Achievement. For those of you that read the July issue of *Structure* magazine, you can find Inna Tasmaly's article on Challenges in the Blast Design of Cold-Formed Steel Stud Walls and a report on the recent NCSEA General Engineering Subcommittee, chaired by Ed Huston. Inna is the Co-Chair of the YMF Committee sponsoring WRYMC next February. Also on a national level, we recently received word that Younes Nouri, our Program Chair, narrowly missed election to the COPRI Board of Directors.

We also have a great environment for Civil Engineering, full of great projects and programs. We are constructing a new floating bridge, a new tunnel, hundreds of fish passage projects, restoring and strengthening anadromous fish runs, constructing and reconstructing infrastructure, and redefining how people live in an urban environment. I think the rise of urban villages like South Lake Union, CBD Bellevue, CBD Kirkland, CBD Redmond, and CBD Bothell is the long awaited, and possibly unexpected, result of the Growth Management Act. It just took 24 years for the infrastructure, economy, and housing to sync up.

I think we are moving toward a more sustainable constructed environment, one that is more in harmony with the environment. I recently moved from a four lot short plat of 84 acres, where almost the entire plat was subject to a Rural Stewardship Plan, to an Urban Planned Development of 1,046 acres. I have experienced the new development, UPD Permit in December 1996, to be more environmentally aware than the rural area were we used to live. We can walk wetland and forested trails on our way to groceries and custom-made coffee drinks. This coming year I hope

See *President's Column* on page 3

to explore the breadth of what is sustainability in a series of formatted discussions with Evan and Amanda, our Sustainability Committee Co-Chairs.

It was also nice to see the rejuvenation of the North Branch this past year. John, Mine, and Gabe have done a fantastic job this past year and are hoping for another good year in 2015. For those of you in the North that are looking for way to connect, please contact John or Gabe as Mine has recently moved to California. Locally, Adam Bergman and Ian Frank are putting together an Emergency Preparedness Committee for the Section. This will be a nice opportunity for Civil Engineers to get trained to respond to emergencies similar to how the Structural Engineers do now. Please keep on the lookout for upcoming information.

As you can see, there are great things happening in the Section and plenty of opportunities to get involved. It is never too early to think about 2016, we will need a President-Elect, Secretary, and a Director for the Board. Thank you for a good year, I hope you provide the same level of support to Stefanie during her term as President.

Respectfully,

*Perry Cole*

ASCE Seattle Section President

## University Mentor Night Help Needed

By Paul Grant, P.E.

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 events offer an open forum where the students visit various tables and converse with the mentors. The mentors are asked to bring sample of their work, such as reports, drawings, models, that will fit on a 30"X30" table top for discussion with the students. In the past, some of the events have included over 40 mentors in 17 disciplines.

Annually, events are typically held at the following schools:

- University of Washington Bothell Campus – Wednesday October 29, 2014, 6:00 to 8:00 pm
- Seattle Pacific University – October
- Seattle Central Community College – January
- North Seattle Community College – March
- Highline Community College – April
- Bellevue College – May

If you are interested in participating in any of these events and being included on the Section's Roster of potential volunteers please contact Paul Grant at [pgrant@pangeoinc.com](mailto:pgrant@pangeoinc.com) for details. Please use the following to sign up for the UW Bothell event: <http://www.eventbrite.com/e/2014-uw-bothell-mentor-night-tickets-8245521577?aff=rss>

Thank you for your support.

## Reach over 2,000 Engineering Professionals

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and on the Seattle Section Web Site**

**See advertising details  
on page 2**

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## Employment Notice

To post an employment notice in the newsletter and on the Section's web site, please contact the editor in advance of the monthly deadline. Rates

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### COASTAL ENGINEER

For the PND Engineers Seattle civil engineering office. Info at [www.pndengineers.com](http://www.pndengineers.com).

## 2014 Younger Member Group Award for Large Groups

By Perry R. Cole, P.E., Seattle Section President

On July 14, 2014, we received notification that the Seattle Section Younger Member Forum had been selected by the Committee on Younger Members to receive the 2014 Younger Member Group Award for Large Groups, "for outstanding professional, technical, social, outreach, and community service activities on behalf of the Seattle Section Younger Member Forum." The selection committee particularly noted the YMF's outreach efforts and community service. Ms. Amanda Shellenberger, P.E., M.ASCE, led the YMF's effort in producing an outstanding nomination submittal. She has been invited to personally accept this award, which consists of certificate and cash prize in the amount of \$1,000, during the Global Engineering Conference 2014, Panama City, Panama, October 7-11, 2014. The notification letter was signed by Patrick J. Natale, P.E., F.ASCE, Executive Director. The Seattle Section YMF has previously won this award in 2005 and 2008, attesting to over a decade of outstanding service.

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## 2014 Edmund Friedman Young Engineer Award for Professional Achievement

By Perry R. Cole, P.E., Seattle Section President

Mr. Shane I. Binder, P.E., M.ASCE has been selected by the Committee on Younger Members to receive the 2014 Edmund Friedman Young Engineer Award for Professional Achievement, "for professional achievement in service to the advancement of the profession, evidence of technical competence, high character and integrity, and contributions to public service outside their careers." The selection committee particularly noted Shane's service as co-chair of the committee that published the first infrastructure report for Washington State. Binder will accept this award, which consists of a certificate and cash prize, during the Global Engineering Conference 2014, Panama City, Panama, this October.

Binder, a senior transportation engineer at Seattle-based Transpo Group, is a multimodal transportation engineer with global experience designing illumination, traffic signals, nonmotorized facilities, and intelligent transportation systems for federal, state, and local agencies as well as private developers. Binder's team leadership roles for transportation studies and designs have helped to create safer roads through advanced transport tech-

nology deployment, access management solutions, and transportation safety research. He also has an extensive background in road safety audits and crash-reduction studies using his engineering expertise. Binder's experience includes signage, temporary traffic management, local road traffic calming, bus priority, traffic impact assessments, parking and access management solutions, transportation safety research, and active mode designs. Notably, Binder spent several years designing adaptive traffic control and illumination systems in New Zealand, and led a research paper and presentations on reducing pedestrian delay through SCATS (Sydney Coordinated Adaptive Traffic System) timing modification. Presently Binder is working, with the New Zealand Transport Agency, on a report on safety and delay benefits at signalized right turns which focuses on safety and operations at SCATS-controlled intersections. See more at <http://blogs.asce.org/five-engineers-win-the-edmund-friedman-young-engineer-award-for-professional-achievement>.

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## ASCE Seattle Section Executive Board Meeting Minutes for May 14, 2014 Meeting

### Attendees:

Perry Cole  
Liz Korb  
Stefanie Herzstein  
James Chae  
Lisa Harbert  
Sam Swartz  
Marie Phelan  
Younes Nouri  
Shane Binder

Meeting called to order at 5:00 pm by Perry. MOTION to approve agenda and passed by unanimously.

MOTION to approve meeting minutes for April brought by Stefanie and passed unanimously.

### Old Business

- None.

### Treasurer's Report

- Tracking well overall.
- Some less expensive meetings have helped budget. Discussion of potential meeting venue changes for future meetings.
- MOTION to approve treasure's report brought by Perry and passed unanimously.

### Membership Report

- As of May 4 the Section and Branches have 2,341 members.
- 7 new members but 20 additional members overall due to old members paying dues.

### Standing Committees

- **Audit Committee:**
  - Still working on monthly breakout spreadsheet.
- **Diversity Committee:**
  - No updates.
- **Centennial Committee:**
  - No updates.
- **House and Hospitality Committee:**
  - No updates.
- **Legislative:**
  - Working with National on OpEd and release ASCE Stormwater Report Card.
- **PSEC-**
  - PSEC Inter-Society Officers Workshop (ISOW) to be held on May 17th, near Magnuson Park
  - Mentor Night at Everett Community College-

100 mentors and students

- Mentor Night at Highline College- 100 students and 320 mentors
- Order of the Ring Induction
- **RH Thompson Scholarship Chair**
  - 8 applications and decided on two finalists.
  - Conducting interviews and will invite winners to June meeting.
- **University Advisory Committee**
  - No updates.
- **K-12**
  - May 10th Engineering Rocks- 12pm to 4pm at South Center Mall.
  - May 15th Penny Creek Elementary school science fair. Presentation on conservation biology and ecosystems.
- **Program Chair**
  - No updates.
- **Professional Practice**
  - No updates.
- **EWB Puget Sound Professionals**
  - No updates.
- **Public Information Chair**
  - No updates.
- **History and Heritage**
  - Working on landmark brochure, targeting a completed product by end of ASCE fiscal year.

### Branch Reports and Action Items

- North branch
  - Additional funding request. Board agrees unanimously to provide \$500.
  - April 17th meeting for a community services planting in Mount Vernon
  - May 21st meeting in Mount Vernon on "Coastal Enhancement and Restoration in Puget Sound: Considerations for Habitat, Recreation, and Erosion Control" by Jim Johannessen with Coastal Geologic Services.
  - July 12th BBQ
  - Office nominations in September.
- Kitsap branch
  - April 8th meeting on Sinclair Inlet Trail by Jay Spady.
- Boeing branch
  - No updates.

See *May Minutes* on page 6



**Technical Committees and Action Items**

- Geotechnical group
  - No updates.
- Ports and Harbors
  - Meeting on April 30th about floating platforms with 22 guests.
- Structural Committee/ SEAW
  - Nothing to report.
- Urban Development & Transportation:
  - Nothing to report.
- Water Resources
  - May 15th- New Zealand Mudsnails- Why You Should Care?
  - June 19th - Estuary and Nearshore Restoration Design Case Study on 3 Crabs Nearshore and Estiraine Rest by Daniel Elefant with Cardo EN-TRIX
- Sustainability
  - April 25th Brightwater Tour with 12 people.
  - June meeting date not set yet.
- Transportation
  - Tour of Spokane Street Bridge with 3 members.
  - Reaching out to ITE but no response yet.

**YMF**

- Past Events
  - April 2nd Networking in Seattle and Officers Meeting- 14 members
  - April 10th Dinner with Industry Society of Women Engineers
  - April 26th joint happy hour with Engineers without Borders.
  - April 26th- Rebuilding Together.
  - April 29th- Spokane Street Bridge Tour
  - May 5th EWB Building Across Borders - 7 mem-

- bers, 80 total
  - May 6th Networking in Seattle- 12 members
- Upcoming Events
  - May 14th Order of Engineer Ceremony
  - May 17th Community Service at Kiwanis Park
  - May 19th Eastside Networking and Officers Meeting
  - May 20th EWB/YMF joint meeting
  - May 28th summer picnic at Volunteer Park
  - August 2nd golf tournament
- Committee Activities
  - Working on beta testing the project management modules hopefully this summer or fall.
  - Tara Burton transitioned into YMF treasurer role, replacing James Le.
  - Soccer team continuing for spring season.
  - Technical tour being planned on Alaskan Way Tunnel and U Link Construction.
- Action Items
  - Need to get YMF website updated.

**Miscellaneous**

- LOCEAA update- 2 award winners outstanding and 2 with honors. Working on getting article advertised in DJC.
- No applicants on Richard Jones scholarship.
- Number of officers and director nominations discussion based on email request.
- Committee chairs for next year. President’s responsibility to report committee chairs.

**Announcements**

- Fabia Fu to discuss UW concrete canoe competition.
- Recognize and thank judges for SU student speakers.
- Next board meeting.

Next board meeting June 11 at 4:30pm.

**New Member Report**

Based on the new membership information from the ASCE national database, the following members enrolled to the Seattle Section between May 25, 2014 and August 26, 2014.

|                |                    |                   |                      |
|----------------|--------------------|-------------------|----------------------|
| Thomas Collins | Phillip Engstrum   | Sylian Rodriguez  | Leo Moyer            |
| David Bushnell | Olivia McCracken   | Lattuada          | William Sandbo       |
| John Dawson    | Ethan Morgan       | Kenneth O'Neill   | Agatha Olivia Devina |
| Aaron Porter   | Iris Kwong         | Teal Dreher       | Bashar Alshamma      |
| Jennifer Allen | Katherine Sultani- | Andrew Preiksa    | Todd Maki            |
| Jesse Gwinn    | Wright             | Skyler Frasier    | Andrea Avni          |
| Charles White  | Francisco Ulate    | Thomas Kearney    | Adam Gerondale       |
| Jill Cyra      | Davis Hague        | Lindsey Pflugrath | Mary Tolbert         |
| Allen Wycoff   |                    | Kyriakos Moroseos | Paul Garneau         |

## Multi-Region Leadership Conference

Are you a student member, younger member, new or aspiring branch or section leader, or just looking to advance your leadership participation within ASCE? Well then, the MRLC is for you! What is the MRLC? The Multi-Region Leadership Conference is a combination of leadership development conferences and committee meetings shared among several regions. In Region 8 we partner with our neighbors to the southwest, Region 9. Region 9 is wholly made up of the State of California. Region 8 is comprised of Alaska, Arizona, Hawaii, Idaho, Montana, Nevada, Oregon, Utah and Washington. The multiple conferences are the Workshop for Student Chapter Leaders (WSCL), the Workshop for Section and Branch Leaders (WSBL) and the Western Region Younger Member Council (WRYMC). You may hear the last referred to as "RYE-MACK".

WSCL is a conference designed for student chapter members and leaders, WSBL is designed for leaders at the Section and Branch level, and WRYMC is designed for leaders within the Younger Member Forum (YMF). YMF members are those ASCE members 35 and younger. The conference helps build the members' network of contacts between groups, develops leadership skills, and aids in the sharing of knowledge and best practices of how to run their respective organizations and ultimately serve their members. In addition to the contacts between groups, attendees meet and establish relationships with ASCE Staff and learn all the resources available from the ASCE.

The conference rotates between Region 8 and 9 and moves around the 10 western states. Last year the conference was held in Phoenix, AZ. In 2015 the conference will be held in Bellevue, WA. In addition to the "work" at the conference, the local section and YMF group usually put together an agenda of fun activities to get everyone out and interacting. These include technical tours, scavenger hunts, and dinner banquets.

Attendees typically report a great degree of satisfaction with the MRLCs. Here is what just one current governor had to say: *"I've been to several MRLCs in the past as a student chapter leader, younger member, section leader and now as a region governor. I can honestly say that I learn a new idea at each conference on how to make ASCE better for members in my area, and I get to meet new friends from other sections within the two regions. I also feel the lessons I've learned at the conferences, and as a leader within ASCE, have benefited my leadership skills in general, with direct benefits to my professional career. If you are considering becoming more involved in ASCE at any level, I would encourage you to talk with your group leadership and attend the upcoming conference. Region 8 BOG [Board of Governors] hopes to see you there."*

## ASCE Election Results

On August 15, 2014 the results of annual elections for society level and region positions were announced. There were four positions that members of Region 8 were able to place a vote for this cycle. The first was for Society President-Elect. Mark Woodson, a member of Region 8, was elected as the 2014-2015 President-Elect. Mark's involvement with ASCE spans three decades beginning as a Branch President of the Southern Arizona Branch in 1983. He has served in several local, state, regional and society level positions throughout his career. Mark will bring a wealth of knowledge and history of ASCE to the position. At the region level, members voted to fill two of three vacancies on the BOG. Three of your colleagues submitted qualifications to run for the open positions and the two highest vote getters were selected. After the votes were tallied, Seth Olson, PE, M.ASCE of the Southern Idaho Section and David Prusak, PE, M.ASCE of the Alaska Section were the successful candidates. Their term officially begins October 1 this year and will continue through September 2017.

The fourth position that members of Region 8 voted for was the open position for Society Technical Director. This position is elected from amongst the candidates presented by the institutes and represents the technical perspective on the board, as opposed to the geographic perspective of the Geographic Region Directors. The successful candidate was James R. Harris, Ph.D., P.E., F.SEI, NAE, M.ASCE, a structural engineer from the Colorado section.