

Section Officers

October 1, 2011 – September 30, 2012

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Ann Bryant and Glenn Schwantes
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Joint Meeting between ASCE Seattle Section and the Water Resources & Environmental Committee

Wednesday, April 11, 2012

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

Cost: Cost and meal information will be posted soon at the Seattle Section web site: seattleasce.org

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

Please make your reservations by
Noon, Friday, April 6.

The link for online registration will be posted soon at the Seattle Section web site:

www.seattleasce.org

Program: The Madison Valley Stormwater Project by Seattle Public Utilities

Madison Valley is located in the Seattle area, east of Capital Hill, west and south of Washington Park and north of the Central District. After the August 2004 storm, which resulted in significant sewer backups and stormwater flooding in the vicinity of 30th Ave E. and E. John St., Seattle Public Utilities (SPU) began an in-depth process to develop and evaluate options to greatly reduce the potential for sewer backups and stormwater flooding in this area. In June 2008, Seattle City Council approved the Madison Valley Stormwater Project. Phase 1 of

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2013 is the Seattle Section's Centennial year. Please join us as we celebrate the "People, Projects and Policies" that have shaped the Section's 100-year history. Stay tuned for dates and locations of events in 2013 that will celebrate our anniversary. For additional information please contact the Centennial Committee Co-Chair Sunny Rose, roses@pbworld.com.

The deadline for the
May 2012 issue is
5:00 p.m.
Friday, April 20, 2012

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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>

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#### ASCE SEATTLE SECTION NEWSLETTER ADVERTISING RATES

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for pricing and format requirements.

## President's Column

By Amanda Shellenberger, YMF President

Hello from the ASCE Seattle Section Younger Member Forum (YMF). Some of you may not realize, if you are a member of Seattle ASCE Section and are under 35, you are automatically a member of the Seattle Younger Member Forum as well! The YMF is set up to give "young" members an opportunity to volunteer in the local community, network with peers, work on professional development, and socialize with other young civil engineers. We have been busy doing all of those things!



*A scene from the YMF Fall Leadership Retreat at the ropes course in Woodinville, Washington.*

For past 17 years, the YMF has organized and run a Popsicle Stick Bridge contest for high schools throughout the Puget Sound region in conjunction with E-Week last month at the Museum of Flight; this year more than 50 students from 11 schools participated alongside as many ASCE volunteers and one corporate team. The YMF also has an active community service calendar with events most months of the year at local food banks, soup kitchens, parks maintenance and habitat restoration, Rebuilding Together, Toys for Tots, and Seattle Works Day. The YMF also holds monthly networking events in both Seattle and the Eastside and uses these meetings along with annual winter and summer holiday parties to broaden our appeal further. The annual winter party is to help younger members bond and do professional development while the summer picnic focuses on our relationship with the local universities (go Huskies and Redhawks!). Over the next year, the Seattle YMF will be particularly

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## Bios for April 11 Speakers

**Celia S. Kennedy** is the program manager for the Madison Valley Stormwater Project and has been working on the project since 2007. She has played a key leadership role in the following phases of the project: 1) alternative analysis, 2) community involvement, 3) Mayor/Council project approval, 4) design, and 5) construction.

Ms. Kennedy works for Seattle Public Utilities (SPU) and manages major capital projects in the drainage and wastewater section. She is currently the program manager for over \$60 million in capital projects. She has been working in the utility sector for 20 years. Her expertise includes planning, analysis, project development, and implementation of drainage, wastewater, drinking water, and solid waste projects and programs. She has worked in the private and public sectors. She earned her master's

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

focusing on a number of regional initiatives together with the Seattle Section, including the regional student chapter competitions in April 2012, the release of a new statewide infrastructure report card at the end of the year, and the centennial of the Seattle Section during 2013.

We love to have new younger members join us. Our events are on the Seattle Section page, and we also send out two emails a month to keep people up to date with events. Check our website page on the Seattle ASCE website to learn more, or send me an email ([ashellenberger@anchorqea.com](mailto:ashellenberger@anchorqea.com)).

Thanks!

*Amanda Shellenberger*

YMF President

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

the project included the expansion and improvement of an interim above-ground stormwater detention area that also served as open space for the community when not storing stormwater. Phase 2 of the project became operational in November 2011 and includes a new 6-1/2 block long, 48-inch-diameter stormwater pipeline, a 1.3-million-gallon stormwater tank in Washington Park, plus a bermed landscaped area adjacent to the tank that can hold 0.9 million gallons. Phase 2 is expected to be complete by July 2012.

The speakers will be present information on the planning, community involvement, alternative analysis, Council/Mayor approval, design development, and construction of the Madison Valley Project.

**April Speakers** (continued from page 2)

degree from the University of Washington's Evans School of Public Affairs in 1991.

**Rick Ballard** began working on the Madison Valley project for SPU in 2005. His involvement in the project has included work on a wide variety of tasks including project development planning, preliminary engineering, permitting, design, community involvement, construction management assistance, project management, and managing and reviewing the activities of other consultants.

Mr. Ballard is a project manager for RH2 Engineering, Inc. He has been working in the municipal engineering business for more than 20 years and has a diverse background in all aspects of planning, design and implementation of water, wastewater, drainage and street improvement projects. Rick has completed engineering projects in five western states and spent the past 15 years working with a variety of RH2 clients across Washington State.

**Mark Graham** began working on the Madison Valley Stormwater project in January 2009. He is currently serving as the project manager for the consultant team working on Phase 2 of the project. This phase of the project includes the large-diameter stormwater diversion pipeline and the stormwater storage facilities in Washington Park.

Mr. Graham has 20 years of experience planning, designing and operating municipal water, wastewater and stormwater infrastructure. For the past 15 years, Mark has worked for MWH Americas, Inc. where he is a principal engineer and project manager. Mark holds a B.S. in Environmental Engineering from the University of Cincinnati. He is a registered professional engineer in Washington State and California, and is certified as a Project Management Professional.

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and on the Seattle Section Web Site**

**See advertising details  
on page 2**

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## Rebuilding Together – April 28, 2012

By Arthur Fleming



The Seattle Section's Rebuilding Together event is set for Saturday, April 28, 2012. We have been assigned a homeowner in Lynnwood who lives in a small mobile home. She needs our help with a number of small projects, including: fixing a broken step, replacing two shower valves, some serious cleaning, light hauling, gutter cleaning, and a few other minor carpentry jobs. We are still looking for volunteers to work either the morning or afternoon shift. ASCE will once again provide a great lunch and some snacks.

If you are interested in helping out, please sign up by emailing Marika at [Hjert-Bernardi@jacobssf.com](mailto:Hjert-Bernardi@jacobssf.com) or call Arthur at (206) 601-5777. Thank you!

The ASCE Seattle Section was highlighted as a Top Sponsor on the Rebuilding Together Seattle blog!

Check out the blog post at [rebuildingtogetherseattle.blogspot.com/2012/03/srd-2012-top-sponsor-highlight-asce.html](http://rebuildingtogetherseattle.blogspot.com/2012/03/srd-2012-top-sponsor-highlight-asce.html)

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## ASCE Construction Institute – Managing Construction Risk Seminar, April 20

Construction projects are fraught with claims and change orders. The ASCE Construction Institute's Claims Avoidance and Resolution Committee, construction industry professionals whose work and experience focuses on pro-active dispute avoidance management, have compiled their years of experience to present a set of Best Practices for claims avoidance and resolution.

Speakers will share expertise on dispute resolution, successfully navigating through a delay claim, defining and pricing overhead costs, and techniques for constructability reviews. A session on "Claims 101," will also be offered, to introduce neophytes to the ins and outs of construction claims.

The Construction Institute and the Seattle Section of ASCE will co-host the event at the Red Lion Hotel in Bellevue, Washington, on April 20, 2012. Please visit the seminar website for additional details and registration: [content.asce.org/conferences/ciriskman/index.html](http://content.asce.org/conferences/ciriskman/index.html)

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## Help Needed at College Mentor Night

By Paul Grant, P.E.

- **Highline Community College**  
Tuesday, April 17, 2012  
6:00 to 8:00 pm  
Student Union Building (Building #8)  
2400 S. 240th Street, Seattle, WA 98198

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 a brief panel discussion with past Alumni. Following the panel discussion will be an open forum where the students visit various tables and converse with the mentors.

If you are interested in participating, please sign up online at: [www.pseconline.org/Events/MentorNights](http://www.pseconline.org/Events/MentorNights) or contact Paul Grant at [pgrant@pangeoinc.com](mailto:pgrant@pangeoinc.com). Maps and further instruction will be sent out prior to the event.

Thank you for your support!

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## Seattle Section Members Invited to Tour des Engineers Road Bike Ride May 12, 2012

By Laura Ruppert

If you are an engineer, contractor, or consultant in the A/E/C industry and you like to ride your bicycle, you are cordially invited to the [4rd Annual Tour des Engineers](#), on May 12, sponsored by HWA GeoSciences and the Redmond Cycling Club. Does spending the day cruising with like-minded friends and colleagues, and enjoying the beauty of Puget Sound and Whidbey Island as your backdrop, sound like fun? If it does, then this event is for you! If you're training for STP, Ramrod, or another event this summer, this will be a great training day, with first-class rider support and great company. And if you're not training for any events but you're up for some fun on two wheels, this is it! If you have friends, family, or a colleague that might be interested in the Tour des Engineers, they are invited too. The objective of the tour is having fun and making connections, and all are welcome.

For more detailed ride information visit [www.redmondcyclingclub.org/TdE/TdE\\_course\\_information.html](http://www.redmondcyclingclub.org/TdE/TdE_course_information.html)

For online registration, visit [www.hwageo.com/tde.html](http://www.hwageo.com/tde.html).

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## ASCE Seattle Section Executive Board Meeting Minutes for March 14, 2012

Minutes for the March 14 Seattle Section Executive Board Meeting will be published in the May 2012

## YMF Events

By Shane Binder, YMF President-Elect

The Seattle Section Younger Member Forum has been up to some exciting activities this year.

**Popsicle Stick Bridge Contest.** On Saturday, February 11, months of tireless effort by the Seattle YMF culminated in the 17th annual Popsicle Stick Bridge Contest at the Museum of Flight. Over 50 students from 11 schools up and down the Puget Sound used the same preparation time to convert piles of popsicle sticks and white glue into structural masterpieces, each vying to hold the most weight while weighing the least. On the big day, the student teams, safely guided by YMF volunteers, dynamically loaded their bridges to failure (after, of course, the aesthetic judges evaluated each one). The overall winning bridge held 386 pounds and weighed a meager 0.73 pounds. After the destruction ended and the dust settled, everyone present was treated to real Popsicles and turned loose in the museum to enjoy the sweet fruits of their labor.

**Ski Trip.** Over the weekend of February 24–26, sixteen Seattle YMF members traveled to Crystal Mountain Ski Resort for the annual winter leadership retreat. The trip proved to be well-scheduled, coming on the heels of a large winter storm that dumped plenty of white powder for our enjoyment. After a full day of skiing and snowboarding at Crystal Mountain, YMFers were treated to a mammoth taco dinner, team-building exercises led by Doug Knapp and a presentation/discussion on improving colleague morale led by Shane Binder. On Sunday at the close of the retreat, the participants headed back to Seattle, tired and smiling, proving yet again that professional development and fun can coexist.

The Third Annual

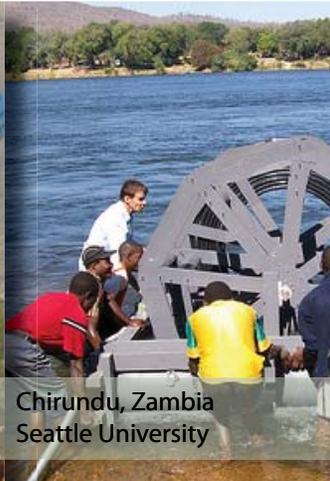
# BUILDING ACROSS BORDERS



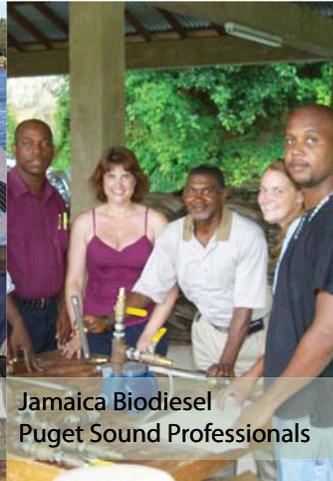
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Yanayo Grande, Bolivia  
University of Washington



Chirundu, Zambia  
Seattle University



Jamaica Biodiesel  
Puget Sound Professionals



Solar Refrigerator  
St. Martin's University

## AN EVENING TO BENEFIT THE PUGET SOUND CHAPTERS OF



MONDAY, APRIL 23RD: 5:30 - 8 PM

- ✧ Sustainable Dinner served with local beer & wines
- ✧ Desert Dash with pastries lovingly created by EWB members
- ✧ Interactive Project Demonstrations
- ✧ Games, Raffle, & **LIVE Auction**

TICKETS AVAILABLE  
NOW!

### Campion Ballroom

Seattle University  
914 E Jefferson Street  
Seattle, WA 98122



Search: EWB

**Volunteers Needed!** Help us procure Auction Items • Become a Table Captain • Day of Duties

[ewb-pugetsound.org/BAB2012](http://ewb-pugetsound.org/BAB2012)