



SEATTLE SECTION NEWSLETTER

September 2008

Volume 44 No. 1

Section Officers

October 1, 2007 – September 30, 2008

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WEBMASTER

Lisa Martinez seattleasce@yahoo.com

ASCE Seattle Section Meeting

Wednesday, September 10, 2008

Place: McCormick & Schmick's Harborside Restaurant
1200 Westlake Avenue North
Seattle, Washington 98109

Cost: \$30 per person (\$35 for late reservations)
Students \$10

Spouses and guests are welcome.
Cash or checks payable to ASCE are accepted.

Meal: Crab and bay shrimp cakes with cajun remoulade -or- veggie lasagna. Dessert: Creme Brulée

5:30 Socialize

6:15 Dinner

7:15 Program: New ASCE National Historic Civil Engineering Landmarks: I-90 Bridge and Tunnel

8:40 End

Please make your reservations by

NOON Monday, September 8, by calling 206-926-0482

(voice mail system only — please leave a message)

or by sending an email to:

seattleascereservations@gmail.com

Please indicate with RSVP if the vegetarian meal is preferred

The Seattle Section's New ASCE National Historic Civil Engineering Landmarks

Rex W. Meyer, PE, and **Stew Gloyd, PE** will give presentations on the Seattle Section's new ASCE National Historic Civil Engineering Landmarks: the Lacey V. Murrow Memorial Bridge and the Mount Baker Ridge Tunnels.

58 years ago, Seattle heralded a new type of bridge structure that had never been tried before. The best of Seattle's structural engineers banded together to evaluate and construct a concrete floating bridge to connect Seattle with a route to the east. The decision process met with public skepticism and national political debate. In the end, many untried new technical challenges were overcome to complete this grand project endeavor.

Come to the September meeting to learn more about these historic landmarks.

The deadline for the
October 2008 issue is
5:00 p.m.

FRIDAY, September 19, 2008
No exceptions.

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Your newsletter editor is:

**Todd Crandell**  
seattleASCEnews@gmail.com

Please send correspondence to:

Attn: Todd Crandell

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#### CHANGE OF ADDRESS:

All change of address information  
(including your mailing label if applicable)  
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to: 1801 Alexander Bell Drive,  
Reston, VA 20191-4400 **AND** to the  
newsletter editor shown above.

**AMERICAN SOCIETY OF  
CIVIL ENGINEERS, SEATTLE SECTION**

<http://www.seattleasce.org>

Volume 44 No. 1, September 2008  
Published 10 times a year

**ASCE SEATTLE SECTION  
NEWSLETTER ADVERTISING RATES**

#### Employment Ads:

Employees Wanted:

75 cents per word

Seeking Employment:

First 75 words free

75 cents per each additional word

Graphic Ads: \$60 per column inch

#### Business Card Ads:

Contact the editor at

seattleASCEnews@gmail.com

for pricing and format requirements.

## President's Column

By Jack Bjork, PE



As you may know, this is the time of year when new officers take over so this will be my last President's Column. People have asked me what I learned in the past year. I learned that ASCE is quite an organization, the premier civil engineering organization in the world. It seems to be well run and constantly advocating action on behalf of the profession. I'm proud to be a member of ASCE. I also learned that being president, like raising kids, takes quite a bit of work (and you're relieved when the main part is over) but it is well worth the effort. Truly an experience I will remember. I suggest that you consider getting involved with ASCE locally or nationally. You won't regret it.

What is the take away from the past year? There is a groundswell of concern about infrastructure both locally and nationally. Finally. In my 32 years in the profession I don't remember discussions about infrastructure by presidential candidates like we're hearing this year. The Wall Street Journal reported on August 25th that one candidate proposes a national infrastructure bank with \$60 billion in seed money over 10 years to fund public works projects. Locally, we're facing major transportation problems that can simply no longer be ignored. What do we need to do? I strongly believe that it is a critical time for us to speak out. Journalists spend a week or two researching our local transportation issues then make grand statements based on what is perceived by them to be balanced- comments for or against an issue. Being a problem solver, I focus on finding the best solution considering such factors as cost, functionality and environmental impacts. I believe it is our role and responsibility to lead the public and elected officials to implement the best solutions. Civil engineers in the Seattle Section have spoken out in the past on critical local issues such as the location of I-5 and wastewater discharges to Lake Washington. Who knows more about infrastructure than we do?

Sincerely,

*Jack Bjork, P.E.*

Section President

## Bios for September 10th Speakers

**Rex W. Meyer, PE**, is a Project Manager for DMJM Harris. He has been a Washington resident for the past 16 years and has a BSCE from Iowa State University, 1984. Rex has practiced as a civil engineer consultant for 24 years, designing and managing highways, marine port facilities, airports and site development projects locally, nationally and internationally. He is also past president of the Younger Member Forum of the Chicago chapter.

**Stew Gloyd, PE**, is retired and formerly served as Chief Bridge Engineer for WSDOT and Sr. Program Manager for Parsons Brinckerhoff. Stew is a native of Washington State and graduated in Civil Engineering from WSU in 1956. At WSDOT, Stew managed the investigation of the Hood Canal Bridge failure in 1979 and the design work to reconstruct the west half of the bridge. He also worked on the design to remove the bulge from the Lake Washington Bridge in 1981. Stew is a past president of the Tacoma-Olympia Section ASCE and currently serves on the national ASCE Bridge and Tunnel Security Committee.

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# ASCE Seattle Section Executive Board Meeting Minutes

## For June 11, 2008

### ATTENDANCE

#### Board Members

**Present:** Jack Bjork, Ann Bryant, Perry Cole, Arthur Fleming, Jeanne Justice, Doug Knapp, Garth Merrill, Marc Schulte, Cliff Williams.

**Quorum:** YES

**Other Members Present:** Paul Grant

**Visitors:** None.

### CALL TO ORDER

Section President Jack Bjork called meeting to order at 4:30 p.m.

Board unanimously approved May 14, 2008 meeting minutes.

### PROCEEDINGS

#### 1. Regular Business

##### Treasurer's Report

Income and expenses generally appear to be on track.

NO ACTION ITEMS

##### Standing Committee Reports

Standing Committee report posted to eRoom.

##### *History and Heritage Committee*

H&H committee looking to coordinate with public relations for publicizing civil engineering landmark designation for I-90 bridge.

##### *Puget Sound Engineering Council (PSEC)*

PSEC inter-society leadership workshop is upcoming.

##### *Membership Committee*

Five new members will be attending tonight's meeting.

NO ACTION ITEMS

##### *Awards Committee*

*Background/Discussion:* Awards committee has chosen two projects for the Seattle Section outstanding project award this year. These projects would be eligible for Region 8 region outstanding project award (at the option of the nominated firm).

*Motion:* The Seattle Section Board nominates the Seattle Section outstanding project awardees for the Region 8 outstanding project award (Williams). Bryant (2nd).

MOTION PASSED

### Branch Reports and Action Items

Branch report posted to eRoom.

North Branch would like to have an Order of the Engineer ring ceremony.

NO ACTION ITEMS

### Technical Committees

Technical committees report posted to eRoom.

There will be leadership changes upcoming for many of the technical committees.

NO ACTION ITEMS

### YMF Report and Action Items

YMF report posted to eRoom.

YMF activities included the Fremont briefcase relay, a professional development seminar, and summer volleyball league. YMF elections are upcoming. Ann Bryant has won this year's Edmund Friedman young engineer award, and Seattle YMF has won large group of the year.

NO ACTION ITEMS

### 2. Old Business

#### Elections

The results of the 2008 ASCE Seattle Section Board elections were as follows:

- President - Ann Bryant
- President-Elect - Ron Bard
- Treasurer - Garth Merrill
- Director 2008-2011 - Erin Fletcher

#### RH Thomson Award

Award presented tonight. Recommend putting all lessons learned into the duties and procedures manual.

#### Web Site

Web site update is progressing. Need to get things up and running by August leadership meeting.

#### Budget and Leadership Meetings

Budget meeting and leadership meeting planned for late August.

NO ACTION ITEMS

See *June Minutes* on page 5

### 3. New Business

#### Life Member Forum

Jack brought up National ASCE's initiative to encourage life member participation, suggested starting a "Life Member Forum." The Seattle Section has almost 400 life members on the rolls. Arthur Fleming volunteered to look into this.

#### ASCE National Orientation

Invitation to ASCE National orientation is upcoming in October for incoming Section leadership.

#### Meeting Venue

McCormick & Schmick's has requested confirmation of our dinner meetings through November. General consensus was to continue meeting at M&S (no vote called).

#### Newsletter

May be looking for new newsletter editor.

### 4. Announcements for Meeting

- Technical committee transportation
- Ron Borowski is running for Region 8 governor
- Lobby for local PBS stations to carry "liquid assets" documentary
- Ann Bryant's Edmund Friedman Award
- Seattle YMF's Large Group Award
- New members
- RH Thomson Award (if recipient is in attendance)
- Election results

#### Adjournment

Meeting adjourned at 5:30 p.m.

Minutes submitted by Secretary, Marc A. Schulte.

## Check Out Interesting Civil Engineering News

By Jack Bjork, P.E.

ASCE provides a daily digest of news of interest to civil engineers called **Smartbrief**. A daily one-page email is sent to subscribers with 10 to 12 briefs from newspapers and magazines around the country with links to the full articles. I was a bit skeptical at first, but I signed up and have found it to be very interesting. It's free, so check it out at: [www.smartbrief.com/asce](http://www.smartbrief.com/asce)



October 1-2, 2008  
Washington State Convention & Trade Center

## Seattle's Premier Trade Conference for Construction and Renovation Is Back!

Construct Seattle  
October 1 & 2, 2008  
Washington State Convention & Trade Center

### EARLY BIRD DEADLINE SEPTEMBER 17

Benefit from lower seminar prices, free tradeshow access and a complimentary lunch.

#### Conference Highlights

- LEED® Study Sessions for the LEED-NC v 2.2 Exam
- Multiculturalism in the Construction Industry
- The Terry Thomas - Integrative Sustainable Design
- Calculating Environmental and Bottom Line Benefits of Building Salvage and Reuse
- Holistic Approach for Managing Risk in a Changing Environment

For further information and to register, please visit [www.constructseattle.com](http://www.constructseattle.com)



## PSEC – Career Day Speaker Program Needs Engineer Volunteer Speakers

By Steve Snelling

The Puget Sound Engineering Council (PSEC) is seeking additional engineering volunteers for the Career Day Speaker program .

The “Learning for Life” Washington Schools Program has been organizing the Career Day events with local schools and then contacting PSEC for engineer speakers. These are usually daytime events and engineers may make multiple presentations. Usually up to four classroom presentations are made during a single day at a local Puget Sound area school.

Volunteers will be added to a list of engineers that are willing to talk to high school and middle school students about the engineering profession and their engineering experience. You can ask to be removed from the volunteer speaker list at any time. Several general engineering PowerPoint presentations will be made available to the volunteers and all can be easily modified with the speaker’s personal information.

The events are communicated to the volunteer list and sign-ups are done on a first-come first-serve basis. Once the speaker is identified for each event – the remaining contact is done directly with the school teacher (or their facilitator).

If interested, send your name and e-mail address to Steve Snelling, the current Career Day Speaker coordinator at [stephen.r.snelling@boeing.com](mailto:stephen.r.snelling@boeing.com). Thank you!

## Professor Emeritus Joe Colcord Awarded ASCE Surveying and Mapping Award

By Jack Bjork, PE

The 2008 ASCE Surveying and Mapping Award was awarded posthumously to Professor Emeritus Josiah E. (Joe) Colcord. The award, which included a plaque and certificate, was presented to Professor Colcord’s daughter, Kathy Colcord-Moen and her husband, George Moen, at a luncheon at the University of Washington Club on June 20. Professor Emeritus Ronald Nece formally made the presentation on behalf of ASCE.



## AWRA-WA Section 2008 Annual Conference:

Present and Future of Water Storage  
in Washington State

Bell Harbor International Conference Center  
October 23, 2008

Register Online Today!

[https://www.123signup.com/servlet/SignUp?  
PG=1520880182300&P=152088000](https://www.123signup.com/servlet/SignUp?PG=1520880182300&P=152088000)

### New this year: Student Poster Session

All current or recently-graduated students are invited to submit an abstract briefly describing their university-level research on a water resources topic. Selected abstracts will be invited to display at a special poster session to be held at the Conference. Registration fees will be waived for poster session participants.

E-mail your abstract (200 words or less) no later than Sept. 15 to: [Pete Sturtevant psturtev@ch2m.com](mailto:Pete.Sturtevant@ch2m.com)

### Back Again: 2nd Annual Photo Contest

Don't forget to send in your photographs for the 2nd Annual AWRA-WA Section Photo Contest! See [www.wa-awra.org](http://www.wa-awra.org) for details. This year's categories: The American West and Water; Humans and Water; and Wildlife and Water

Winning photos will be displayed at the annual conference. Email submissions no later than Oct. 8 to: [Carl Einberger ceinberger@golder.com](mailto:Carl.Einberger@golder.com)

### Sponsorship Opportunities are still available!

Three level of sponsorship are available: Basin (\$1,500), Watershed (\$1,000) and Stream (\$500). Also available are special sponsorship opportunities, such as promotional materials and conference events. For more information, please contact our Sponsorship Chair:

Carl Einberger, [ceinberger@golder.com](mailto:ceinberger@golder.com), (206) 267-1166, x. 5006

For information about the program, visit [http://  
earth.golder.com/waawra/ASP/2008Conference.asp](http://earth.golder.com/waawra/ASP/2008Conference.asp)

For questions, please contact the conference co-chairs:

- Rebecca Ponzio, [reponzio@hotmail.com](mailto:reponzio@hotmail.com), (360) 485-7637
- Chris Pitre, [CPitre@golder.com](mailto:CPitre@golder.com), (206) 267-1166 x5007

AWRA-WA is a 501(c)(3) non-profit organization.

## Seattle Section Member Wins National Award

By Jack Bjork, PE

Ann Bryant (formerly Epler) was awarded the national Edmund Friedman Young Engineer Award for Professional Achievement which recognizes younger members of ASCE (35 years of age or younger) who have advanced the profession; exhibited technical competence, high character and integrity; developed improved member attitudes toward the profession; and contributed to public service outside their professional careers. Fortunately for us, Ann is our incoming section president!

## UW Finishes 17th in National Concrete Canoe Contest in Montreal

By Jack Bjork, PE

After winning the regional contest, the UW team travelled to Montreal for the national contest, placing 17th overall.



*2008 UW Concrete Canoe Team Paddles in Montreal*

The races, both endurance and sprint combined, counted for only 25 percent of the team's overall score. The remaining 75 percent was based equally on a technical design paper that highlighted the planning, development, testing and construction of the team's canoe; a formal oral presentation, in which the team had to detail their canoe's design, construction, racing ability and other innovative features, as well as defend their choices to the judges during a question and answer session; and the end product—the final racing canoe and project display, which were scored on aesthetics and visual presentation. Thanks to the Seattle Section for their financial support.



## Professor Burges Receives 2008 Ven Te Chow Award

By Jack Bjork, PE

CEE Professor Stephen Burges, seen holding the plaque in the photo on the right, was chosen to receive the American Society of Civil Engineers 2008 Ven Te Chow Award "for an exceptional career in education and research in engineering hydrology and water resources management, outstanding service to the profession, and mentoring of young hydrologic engineers." The committee that selected Burges for this honor particularly noted his leadership in hydrologic modeling.



## Seattle Younger Member Forum Wins National Award

By Stefanie Fishman, P.E. and Melissa Wu, P.E.

The ASCE Committee on Younger Members has selected the Seattle Section YMF to receive the 2008 Younger Member Group Award for large groups. This is the second year in a row Seattle YMF has been recognized for their outstanding contribution to the community as last year they were runner-up for the 2007 Younger Member Group Award.



The purpose of this award is to recognize the efforts and achievements as well as promote excellence among younger member groups. Winners are selected based on social, professional, community service, and technical activities facilitated by the group; local student chapter involvement; YMF member research and publications; and award nominations and winners. This award also recognizes the fantastic job performed by the YMF in hosting the 2007 Western Regional Younger Member Council, held in Bellevue last year.

Several Seattle YMF members will attend the 2008 ASCE Annual Conference in Pittsburgh, PA this November to receive the award and cash prize on behalf of the YMF. In addition, the Seattle YMF will be recognized in future issues of national's ASCE News and the Younger Member Newsletter. Congratulations to the Seattle YMF for consistently being one of the top younger member groups in the nation!

## Troubleshooting Concrete Floors on Ground

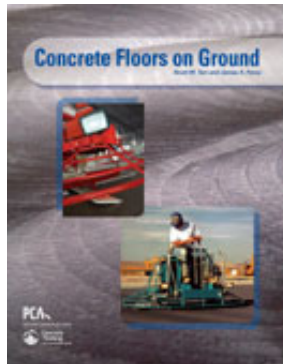
### One Day Regional Program

**September 11, 2008 Boise, ID**

Idaho AGC  
1649 West Shoreline Drive  
Boise, ID 83702

**September 23, 2008 Seattle, WA**

Bell Harbor International  
Conference Center  
2211 Alaskan Way, Pier 66  
Seattle, WA 98121



University students: A special rate is available for PCA's regional programs: \$99. This is limited to the first ten applicants per program. Please contact Julie Lisiecki to register: 847.972.9032 or [jlisiecki@cement.org](mailto:jlisiecki@cement.org).

Introducing a program which goes into depth exploring the 2008 fourth edition of PCA's Concrete Floors on Ground by Scott M. Tarr, and James A. Farny. This program will cover the design, construction, and repair of concrete floors on ground for residential, light industrial, commercial, warehouse, and heavy industrial buildings. The emphasis will be on attaining the best possible balance among service requirements, costs, and maintenance. Participants will each be given a copy of PCA's Concrete Floors on Ground along with additional course notes.

#### What We Will Cover

- Subgrade and Subbases
- Moisture Control and Vapor Retarders
- Quality Concrete for Floors
- Floor Thickness Design
- Joints, Reinforcement, and Crack Control
- Flooring Tolerances
- Toppings and Finishes
- Surface Problems, Maintenance, and Repair

#### Speakers

- Scott M. Tarr, Concrete Engineering Specialists
- Michelle L. Wilson, Portland Cement Association

**For more information, please visit:**

[http://www.cement.org/learn/In\\_floors\\_ground.asp](http://www.cement.org/learn/In_floors_ground.asp)

## Volunteers Needed For College Fair

By W. Paul Grant, P.E., President PSEC

A national college fair will be held at the State Convention and Trade Center on **September 28th and 29th** that seeks to encourage high school students to enter engineering programs in college.

The event, which is sponsored by the National Engineers Week Foundation, Engineering Your Life (EYL) campaign, and the National Association for College Admission Counseling (NACAC), is seeking engineer volunteers for the fair which is designed to break down stereotypes about engineering and, in particular, encourage girls to consider engineering as a college and career option.

The fair will be held on Sunday afternoon and Monday morning and will require no more than three volunteers at a time. The volunteers will receive a page of talking points as well as posters, brochures, postcards, t-shirts and reproducible handouts. The organizers are seeking volunteers who can relate well to high school students and their parents. Further information may be found at [www.nacacnet.org](http://www.nacacnet.org).

## Attend a Free Water Infrastructure Security Enhancement Workshop

By Jack Bjork, PE

ASCE has teamed up with the Water Environment Federation (WEF) and the American Water Works Association (AWWA), to support improvement of our nation's water and wastewater security. Funded by the EPA, these organizations have developed a series of voluntary guidelines under the Water Infrastructure Security Enhancements (WISE) project.



ASCE welcomes all water and wastewater industry professionals to join us for free half-day workshops nationwide to train on these guidelines prepared to help secure our nation's water and wastewater infrastructure. A Seattle workshop will be held on **September 23rd**.

For information on workshop agenda, dates, locations, and free registration, visit <http://content.asce.org/conferences/wise2008>.

# ASCE Seattle Section North Branch Presents Low Impact Development “Clinic”

Friday Harbor, San Juan Island  
Friday, September 19, 2008

As part of its ongoing commitment to professional development for the civil engineering profession in northwest Washington State, the North Branch of the Seattle Section of American Society of Civil Engineers (ASCE) is hosting a clinic for professionals involved in the design, construction, and development review of stormwater management using the techniques associated with Low Impact Development (LID).

The presentation is free of charge and open to the public. Speakers will present on rain garden design and construction, permeable paver installation, and the hydrologic modeling of LID features in a site development. Please RSVP to Celine Landauer Allen (see bottom of page).

**Location:** San Juan Yacht Club, 273 Front Street, Friday Harbor – approximately 1,000 feet northwest of the ferry terminal on Front Street.

## Speakers:

- **Timothy Lowry PE, LEED. AP, CFM**, (Seattle Public Utilities). Mr. Lowry has 15 years experience in low impact development and related sustainable design fields. Mr. Lowry currently works on LID projects for Seattle Public Utilities, expanding the use of LID techniques throughout the city.
- **Christopher J. Webb P.E, LEED** (Chris Webb & Associates, Inc., Bellingham, WA). Mr. Webb is a licensed civil engineer in the States of Washington and Oregon as well as a LEED Accredited Professional whose passion and technical expertise is focused on providing civil engineering designs that demonstrate the highest degree of sustainability and are based on ecological principles.
- **Robin L. Kirschbaum, P.E., LEED**, (Herrera Environmental Consultants, Inc., Seattle, WA). Ms. Kirschbaum is a professional engineer and LEED Accredited Professional with extensive experience in civil engineering design of Low Impact Development sites. She is a contributing author to the LID Technical Guidance Manual for Puget Sound and is a presenter in the Puget Sound Partnership LID workshop series being offered across the Puget Sound in 2008 and 2009.

## Schedule of WSDOT ferries, speakers and events:

**7:40 a.m.** Arrival of Anacortes-Lopez ferry (note – requires a 6:20 a.m. Anacortes departure!!)

*8:30 a.m. Arrival of Shaw, Lopez, Orcas ferry*

*8:45 am – Convene clinic with opening remarks by Phil Cohen, P.E., Surface Water Manager, Island County Public Works, President ASCE North Branch 2008*

**9:00 am** – Timothy Lowry, P.E., Seattle Public Utilities, will present on the design and construction of rain gardens followed by questions & answers (Q&A)

**10:30 am** - break for light refreshments

**10:40 am** - Chris Webb, P.E., of Chris Webb & Associates, will present on the design and installation of permeable pavers and other LID features followed by Q&A

**12:00 noon** - lunch (on your own) at your favorite Friday Harbor cafe

*1:00 p.m. Departure of Anacortes express ferry*

**1:00 pm** – Robin Kirschbaum, PE, LEED, Herrera Environmental Consultants, will present techniques for modeling LID facilities using Ecology-approved continuous hydrologic modeling software, such as MGS Flood and WWHM3 followed by Q&A

*2:20 p.m. Departure of Shaw, Lopez, Orcas ferry w/ connections to Anacortes (5:10 p.m. arrival)*

**2:30 pm** – 15 minutes available for additional questions or discussion

**2:45 pm** – End of Clinic at Yacht Club with additional discussion possible at nearby pubs for those that wish to stay and discuss LID

*5:00 p.m. Departure of Lopez, Anacortes ferry (6:25 p.m. arrival)*

*This event is within walking distance of the ferry landing at Friday Harbor. Parking is available at the Anacortes ferry terminal for approximately \$10. Please review the current (Summer 2008) schedule and other information at [www.wsdot.wa.gov/ferries/](http://www.wsdot.wa.gov/ferries/) for the Anacortes – San Juan Islands sailings. Arrive at terminal at least 20 minutes early for Anacortes departures.*

**RSVP** to Celine Landauer Allen at (360) 848 1595 or [clandauerallen@comcast.net](mailto:clandauerallen@comcast.net).



# 2008 Harold Sorenson Golf Tournament



*presented by:*  
**Washington State University ASCE**



**Palouse Ridge Golf Course  
Pullman, WA  
Date: Friday, September 19th**



## Event Schedule

**1:00 PM - 2:00 PM**  
**2:00 PM**  
**2:00 PM - 6:30 PM**  
**6:30 PM - 8:00 PM**

**Registration and Access to Practice Facilities**  
**Shotgun Start**  
**Golf**  
**BBQ and Awards Ceremony**

The entry fee for the tournament is **\$400 per foursome** which includes greens fees, golf cart, prizes, BBQ dinner and awards ceremony. If your company has trouble fielding an entire foursome we can set you up with interested students to fill out your team. This could also be used as a great recruiting tool and would allow you to meet students in an informal setting. Remember, all proceeds from this event will go toward the WSU ASCE chapter to support the many student run activities that the club participates in throughout the year such as the Concrete Canoe and Steel Bridge teams, Adopt-A-Highway, and Elementary School mentoring.

1<sup>st</sup> Prize - 4 tickets to the 2008 Apple Cup!

**SIGN UP TODAY!** Please request a registration form from Shane Brown, ASCE Faculty Advisor at [shanebrown@wsu.edu](mailto:shanebrown@wsu.edu) or (509) 335-7847. Forms are due in by **Wednesday, September 3<sup>rd</sup>, 2008**

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## Employment Notices

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 for advertising are shown on page 2.

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### WORLD CLASS PORT AND MARINE ENGINEERING OPPORTUNITIES

Ben C. Gerwick, Inc. is a San Francisco based, internationally recognized consulting firm specializing in the design and construction of major marine structures for more than 80 years. We are expanding our business in the Pacific Northwest and are looking for highly motivated and skilled engineers for our Seattle office.

With world-wide experience with design of marine structures including wharves and piers, major bridges, offshore wind-turbine foundations, inland waterways, dry docks, harbor facilities, levees and dams, deep foundations and coastal engineering, we are seeking 3-4 engineers to join our team.

#### **Port and Marine Engineering - Senior Structural Engineer**

A minimum of 10 years experience in the design of marine structures including marine terminals, bridge foundations, water control structures, outfalls and intakes. Prior experience with port and LNG facilities a plus. Excellent oral and written communication skills are essential for the position plus a successful track record of developing new work. MSc. in Civil or Structural required. PE or SE in the State of Washington required.

#### **Port and Marine Engineering - Structural Engineers**

0-5 years experience in the design of heavy structures including piers and wharfs, marine terminals and bridge foundations. The ideal candidate would have experience or interest in working with advanced finite element models, soil-structure interaction and seismic design of large structures. MSc. in Civil or Structural required. PE in the State of Washington is a plus.

#### **Port and Marine Engineering - Geotechnical Engineer**

0-5 years experience, M.S. or higher degree in civil engineering with an emphasis in geotechnical engineering, experience in the design an analysis of foundations for marine and/or transportation structures, experienced in soil-structure interaction analysis, seismic analysis and liquefaction evaluation/mitigation. Experience with or interest in learning advanced geotechnical finite element modeling is a plus.

We offer a competitive compensation, with 401k plans and attractive benefits.

For more information about these positions, please contact Christoffer Brod-baek, P.E. at email: [cxb@gerwick.com](mailto:cxb@gerwick.com) or by phone (206) 734 7080.

For more information about Ben C. Gerwick, Inc. please visit [www.gerwick.com](http://www.gerwick.com).

Interested candidates, please send your resume by email to [cxb@gerwick.com](mailto:cxb@gerwick.com).

## New Newsletter Editor

By Kristin Quick

Beginning next month, the Seattle Section will have a new editor for the newsletter. His name is Todd Crandell and he works for R.W. Beck.

The email address for sending advertisements and articles for consideration will remain the same for now:

[seattleASCEnews@gmail.com](mailto:seattleASCEnews@gmail.com).  
Additional contact information for Todd may be found on page 2 of this newsletter.

It's been a pleasure working with the Seattle Section, and I've enjoyed learning about all the amazing projects and people that belong to this organization.

You may look forward to some exciting changes and new ideas from Todd.

Have a wonderful year!

## This Could Be Your Ad!!

See advertising details on Page 2.



**HDR, Inc.**  
**Senior Roadway Engineer**  
**Bellevue, WA 98015**

HDR is an employee-owned architectural, engineering, planning and consulting firm that excels at helping clients manage complex projects and make sound decisions.

**Description:**

The primary duties of the Senior Highway Engineer includes serving in a lead technical role on the detailed development of urban roadway design projects. Experience should include urban and rural highway interchanges, intersection design, traffic management, transportation planning, site planning, preparation of concept alignments, geometrical layout and CADD base alignment plans. Must have coordinated survey, grading, drainage and utilities and layout of various site items is a plus. Will perform quality assurance checks on major transportation projects on interstate and state highway systems. May also assume some project management duties and have a fair amount of client interaction. Will be viewed as a technical expert with recognized authority in an area of specialization that resolves problems of greater scope and complexity. May supervise work of medium to large staff of professionals and technicians.

**Experience Required:**

BSCE is required, MSCE preferred.  
PE license.

10+ years experience in all aspects of roadway engineering design.

Experience with Microstation, Inroads, Microsoft Office applications preferred.

Previous work experience with an A/E/Consulting Engineering firm is preferred.

Demonstrated leadership skills, communication skills and ability to work with various teams. Project management skills desirable.

**Apply Online:**

<http://www.gojobs.com/seeker/aoframeset.asp?JobNum=6602110&JBID=1436>

Employer Job Code: 081172



**Civil Engineer**

EES Consulting (EESC) is seeking a Civil Engineer to become a part of its team at its Kirkland, Washington office. EESC is a consulting engineering company and has a range of clients including public and investor owned utilities and independent power producers, involved mainly in hydropower and other power generation projects. EESC offers exciting engineering work assignments with these Pacific Northwest clients. Furthermore, EESC offers an informal work environment near Kirkland Park Place, which is within walking distance of the Kirkland waterfront. A signing bonus will be offered to the selected candidate.

**Responsibilities include:**

- Works on tasks related to civil/structural/seismic design activities for dams, pipelines and concrete structures.
- Plan, schedule and conduct engineering assignments, alone or as part of a team.
- Candidates must meet the basic qualifications to receive consideration.
- BS or MS degree in civil engineering required.
- Working knowledge of regulatory requirements and industry standards.
- Five to ten years consulting engineering experience preferred.

**Other Qualifications:**

- Professional Engineer registration.
- Strong interpersonal skills, communications skills, and customer service focus.
- Proficiency with standard desktop PC applications.

EESC has an excellent benefits program and offers competitive compensation. EESC is an equal opportunity, affirmative action employer dedicated to diversity and the strength it brings to the workplace.

Web page: <http://www.eesconsulting.com>

Principals only, send resumes to EES Consulting, 570 Kirkland Way, Suite 200, Kirkland, WA 98033 or by email to [running@eesconsulting.com](mailto:running@eesconsulting.com).

## Calendar of Upcoming Events:

### September 10, 5:30pm

#### **Seattle Section Meeting**

Location: McCormick & Schmick's Harborside  
Restaurant, 1200 Westlake Avenue North, Seattle  
Cost: \$30 per person (\$35 for late reservations)

### September 10 – 12

#### **Urban Waterfront Revitalization Conference**

Contact: [www.uwrconference.com](http://www.uwrconference.com).

### September 19, 2008 from 8:30 am to 2:45 pm

#### **Low Impact Development Clinic**

Location: San Juan Island Yacht Club, Friday Harbor,  
San Juan Island

Note: Attendance is limited to 60 participants.

Contact: RSVP to Celine Landauer Allen, (360) 848-  
1595 or [clandauerallen@comcast.net](mailto:clandauerallen@comcast.net).

### October 8, 5:30pm

#### **Seattle Section Meeting**

Location: McCormick & Schmick's Harborside  
Restaurant, 1200 Westlake Avenue North, Seattle  
Cost: \$30 per person (\$35 for late reservations)

### November 12, 5:30pm

#### **Seattle Section Meeting**

Location: McCormick & Schmick's Harborside  
Restaurant, 1200 Westlake Avenue North, Seattle  
Cost: \$30 per person (\$35 for late reservations)

## TIME VALUE

September 2008 Newsletter  
Volume 44, Number 1

Attn: ASCE Newsletter Editor  
3728 Beach Drive SW, #4  
Seattle, WA 98116

AMERICAN SOCIETY  
OF CIVIL ENGINEERS

SEATTLE SECTION

