



# SEATTLE SECTION NEWSLETTER

December 2010  
Volume 46 No. 4

## Section Officers

October 1, 2010 – September 30, 2011

### SEATTLE SECTION OFFICERS

Marc Schulte, *President*  
206-728-9655 x131  
Melissa Wu, *President-Elect & Membership Chair*  
425-233-3306  
Mike Harney, *Secretary*  
206-695-6850  
Sam Swartz, *Treasurer & Budget Chair*  
206-689-3324  
Ron Bard, *Immediate Past President*  
206-652-4905  
Erin Fletcher, *Director (2011)*  
206-770-3504  
Stefanie Herzstein, *Director (2012)*  
425-821-3665  
Laura Ruppert, *Director (2013)*  
425-451-4009

### YMF OFFICERS

Rhiannon Parmelee, *President*  
206-325-5254 ext. 64724  
Amanda Shellenberger, *President-Elect*  
206-903-3371  
Eric Herzstein, *Board Representative*  
206-494-0941  
Erica Wygonik, *Secretary*  
206-685-6817  
Julie Werner, *Treasurer*  
425-453-4040  
Kelina Wong, *University Liaison*  
425-591-8165

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Darton Riley-Gibbons, *Seattle U Student Chapter President*  
[rielygib@seattleu.edu](mailto:rielygib@seattleu.edu)

### KITSAP BRANCH OFFICERS

Roger Mustain, *President*  
360-697-3713  
David Dinkuhn, *Vice President*  
360-850-5319

### NORTH BRANCH OFFICERS

Sean Cool, *President*  
360-647-1510 ext. 237  
Dan Bergman, *Vice President*  
360-937-0374  
YMF Chairperson (Position Vacant)

### BOEING BRANCH OFFICERS

Karen Dix-Colony, *President*  
425-266-8899

### WEBMASTER

Lisa Martinez [seattleasce@yahoo.com](mailto:seattleasce@yahoo.com)

## Joint Seattle - Tacoma Section Meeting

Wednesday, December 8, 2010

**Place:** La Quinta Inn (Tacoma)  
1425 East 27th Street  
Tacoma, WA 98421

**Cost:** \$30 per person (\$35 for late reservations)  
Students \$10; Unemployed members \$10  
Spouses and guests are welcome.  
Cash or checks payable to ASCE are accepted.

**Meal:** Texan Barbecue: Green Salad, Seasonal Fresh Fruit, Red Potato Salad, Corn O'Brien, St. Louis Pork Ribs, Southern Baked Chicken, Molasses Baked Beans, Corn Bread with Honey Butter, Assorted Cakes and Fruit Cobbler, Coffee Service

5:30 Socialize

6:00 Dinner

6:30 Program: Paul Wilhelm, Civil Project Manager, ABKJ

Please make your reservations by  
**5:00 pm Friday, December 3**

To RSVP, send email to: [tacolyasce@gmail.com](mailto:tacolyasce@gmail.com)

## Program: Using BIM and Civil3D, the Real Scoop: Experiences from the Good Samaritan Hospital Expansion Project in Puyallup

Come hear the real scoop regarding benefits and hurdles of using BIM (Building Information Modeling) and AutoCAD Civil3D on the first LEED (Leadership in Energy and Environmental Design) silver certified hospital expansion project in Washington State. The project encompasses six square blocks in downtown Puyallup and includes public street improvements as well as private site development work. Come hear how BIM enabled quick, accurate and cost effective decisions with extensive coordination among the Civil Engineer, Architect, Contractor, utility companies and numerous subcontractors. While the benefits are good to understand, you will also learn about how BIM can bring some new and important considerations when writing proposals, contracts, sharing data and closing out your project.

The deadline for the  
January 2011 issue is  
5:00 p.m.  
MONDAY, December 20, 2010  
No exceptions.

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Your newsletter editor is:  
**Todd Crandell**  
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#### 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 the  
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:

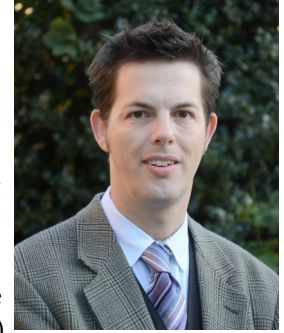
Employees Wanted:  
75 cents per word

Seeking Employment:  
First 75 words free  
75 cents per each additional word

Display and Business Card Ads:  
Contact the editor at  
[seattleASCEnews@gmail.com](mailto:seattleASCEnews@gmail.com)  
for pricing and format requirements.

## President's Column

By Marc Schulte, P.E.



The holiday season is upon us, and I hope that everyone will be able to take some time out to renew connections with friends and family, and celebrate and give thanks for the many blessings we enjoy by the good fortune of living in America in this day and age. And if you can, please take the opportunity to help those who might not be sharing in such good fortune - whether they are a neighbor or a stranger on the other side of the world.

I would like to thank once again our colleagues from the Structural Engineers Association of Washington (SEAW) for hosting our joint meeting in November. The speakers and the roundtable discussion of the 2006 Bellevue tower crane collapse were top-notch, and it is not often that we see so much passion at a civil engineering meeting!

While there were many topics discussed, the message I took home with me that evening was, "If you see something, say something."

Civil engineering is a self-policed profession. Our obligations range widely, from the paramount of public safety, professional and ethical responsibilities, to contractual requirements. It can sometimes be a conundrum to determine the correct hat to wear in every situation and make an appropriate balance between our varying roles.

At the ASCE National Conference in Las Vegas, our newly inaugurated ASCE National president Kathy Caldwell urged us to "MOVE" - an acronym standing for Momentum, Opportunity, Vision, and Engagement. Last month's discussion of professional licensing and responsibility ties in to her final theme of Engagement.

We must be fully engaged in defining our professional practice. We cannot let regulators and legislators define our profession by themselves, though we value their insight. It is our responsibility to engage the Washington State Board of Registration for Professional Engineers and Land Surveyors (BORPELS) and legislators - whether it concerns appropriate licensure by comity for our Canadian colleagues, insurance and liability issues, business and occupation taxation, or continuing education requirements.

If you have ideas of how ASCE Seattle Section can better engage in professional practice issues, please let me know ([marc.schulte@tetrattech.com](mailto:marc.schulte@tetrattech.com)).

Regards,

*Marc Schulte, P.E.*

Seattle Section President

## Bio for December 8 Speaker

Paul Wilhelm has over 25 years experience using CAD in a wide variety of public and private projects. With a "get it done with no excuses" mentality, he is a Civil Project Manager at ABKJ in downtown Seattle. He has been using the AutoCAD Civil3D software (by Autodesk) since 2006, is currently the President of the Seattle Civil3D Users Group, and has presented at Autodesk University in Las Vegas.

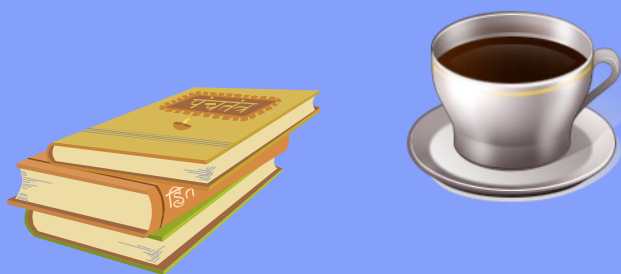
## Take the Membership Survey and Win a Gift Card

The ASCE Seattle Section invites you to take a short and simple survey to help us optimize our monthly section meetings and help you get more from your local ASCE section.

Just visit [www.surveymonkey.com/s/6GSRP5Z](http://www.surveymonkey.com/s/6GSRP5Z)

The survey requires you to answer only five questions, so it won't take long. If you respond to our survey before December 16, 2010, you will be entered into a random drawing for a **Starbucks** or **Borders** gift card!

Thank you!



## Free Webcast on Essential Technologies in Structural BIM

Nemetschek Scia, Inc., will host a continuing education webcast, "Essential Technologies in Structural BIM: Helping Engineers Plug into Today's BIM Workflows," on Thursday, December 9 at 11:00 a.m. Pacific Time.

The webcast provides an opportunity for structural engineers to learn about new technologies that can help them successfully migrate to, or improve, their existing BIM (Building Information Modeling) workflows. It explores what BIM is, its impact on the structural engineer, and gives practical information engineers can use to evaluate the various structural design software available today. The webcast also provides attendees a list of useful resources that they can use to learn more about Structural BIM.

To register for the webcast, visit <https://www2.gotomeeting.com/register/897163402>.

Attendees will earn **one AIA CEU learning unit** for attending this live online event. For questions about this event, please contact Dan Monaghan, Managing Director of Nemetschek Scia, at [dmonaghan@scia-online.com](mailto:dmonaghan@scia-online.com) or (443) 542-0638.

## ASCE Seattle Section Members Offered Discount on Unbonded PT Inspector Certification Workshop

The Post-Tensioning Institute has extended its member rate (\$70 value) to ASCE Seattle Section Members for the upcoming Level 1&2 Unbonded PT Inspector Certification Workshop in Seattle.

Title: Level 1&2 Unbonded PT Inspector  
Dates: December 10-12, 2010  
Location: Holiday Inn Seatac International Airport  
17338 International Blvd.,  
Seattle, WA 98188  
Cost: \$510.00 – PTI Member  
\$580.00 – Nonmember  
Register: Step 1. Open the registration form at:  
[http://www.post-tensioning.org/Uploads/Level%201&2%20Inspector\\_2010.pdf](http://www.post-tensioning.org/Uploads/Level%201&2%20Inspector_2010.pdf)

Step 2. *To obtain the PTI Member Rate*, register by e-mail or fax and note that you are an ASCE Seattle Section Member.

**Program Information:** This 3-day workshop to enhance the knowledge and capabilities of inspectors and other key personnel involved in the construction and field inspection of single strand unbonded post-tensioning systems.

Topics include:

- \* PT concrete concepts and theory
- \* Inspection procedures
- \* Post-tensioning components
- \* Elevated structures
- \* Special requirements for encapsulated systems
- \* Installation requirements
- \* Documents, records, and approvals
- \* Use of stressing equipment
- \* Troubleshooting and Inspection

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# ASCE Seattle Section Executive Board Meeting Minutes

## Minutes for October 13, 2010

### ATTENDANCE

#### Board Members

Ron Bard, Marc Schulte, Melissa Wu, Stefanie Herzstein, Erin Fletcher, Laura Ruppert, Sam Swartz, Eric Herzstein, Mike Harney

Quorum: YES

#### Absent with Notice

None

#### Other Members Present

Garth Merrill, Larry Costich, Paul Grant

### CALL TO ORDER

Section President Marc Schulte called meeting to order at 4:38 p.m.

September 8, 2010 meeting draft minutes have been uploaded to eRoom. A poll will be setup to approve the minutes.

### PROCEEDINGS

#### 1. Regular Business

##### Treasurer's Report

The treasurer's report has not been uploaded to the eRoom, but a Draft version was passed out at the Board meeting.

The Board discussed the Treasurer's report. In particular:

- The Board cannot approve the current report until next month because the version discussed was a Draft. Garth will finalize account access with Sam, so that the report can be finalized. Sam will submit the final report at next month's meeting. Sam and Melissa will be added to the account – Garth will make the necessary arrangements.
- There are currently three outstanding checks:
  - One was a student presentation check that was handed out but never cashed
  - The other two were both for the National Concrete Canoe event. The same check was issued twice because the first check was never cashed. The second check has also not been cashed.
  - The bank's time period for cashing the checks has been passed, so they do not need

to be cancelled. Because these checks were never cashed, a credit will be shown in the account.

- All three of the checks had been requested by Eric O'Brien, so Garth e-mailed him last week inquiring as to their status but no response was provided.

#### Standing Committees

Standing committee report uploaded to the eRoom.

The Diversity Committee is interested in using social media. The Board discussed whether a Facebook, or similar, page should be maintained for the Section. Eric noted that YMF has one which is updated infrequently. Eric will check into adding ASCE Section events and information to the YMF Facebook page.

The Board discussed having a meeting presentation on social media. Several Board members noted that they had seen good presentations on this subject. Mike mentioned that a presentation by Kevin Knebl on using social media in the engineering profession was given at a recent ASFE national meeting and received well.

The Board discussed archiving the Section records from October 2009 to October 2010. The Board understands that a hardcopy is required, and should be provided to the History and Heritage committee for archiving. Mike will make arrangements to have the electronic files from the eRoom for this period printed. The Board members will check to ensure that their respective files for this period are current in the eRoom.

The Board discussed on-site credit card payments for the dinner meetings. Stefanie noted that we currently get about a 20% response in reservations through the current online pre-payment system, "Brown Paper Tickets." It was mentioned that such a policy may encourage no-shows. No shows and having to overbook for potential walk-ins is an issue in properly making a room reservation. The Board also discussed requiring pre-payment for meeting attendance. Stefanie will gather some more information on available options and present to the Board at a future meeting.

The Board discussed participating in the Transportation Partnership. Larry presented background on the organization and noted that the Section has similar principles and goals. The Transportation Partnership has requested that the Section sign on as a member and support its proposed Purpose and Vision Statement

See *October Minutes* on page 6

(provided in the Standing Committee Reports). The legislative committee recommends that the Board approve ASCE's participation in the Partnership, and that the Board authorize an expenditure of up to \$1000 to the Partnership for its initiatives.

**MOTION:** Erin motioned that the Board support the Transportation Partnership and allocate \$1000 to fund its initiatives. Seconded by Melissa. Unanimously passed.

### **Branch Reports**

Branch report uploaded to the eRoom.

Mike attended the Boeing Branch meeting with representatives from ASCE National on September 15 at their Everett facility. A number of collaborative strategies were discussed, some of which the Section could participate in: K-12 Outreach activities, nominating members for ASCE Fellow status, and the Order of the Engineer. Erin will followup with the Boeing Branch.

### **Technical Committees**

Technical committees report has not been uploaded to eRoom.

A Memorandum of Understanding is being completed allowing the Geotechnical Committee to become a chapter of the Geo-Institute. The Geotechnical Committee has asked the Board to sign the Memorandum of Understanding. The Board discussed whether there were any issues with the Geotechnical Committee becoming a G-I chapter. In particular, Paul Grant raised the concern that it may lead to reduced Section membership among those involved with the Geotechnical Committee.

**MOTION:** Ron motioned that the Board approve and sign the Memorandum of Understanding. Stefanie seconded. The motion unanimously passed.

NO ACTION ITEMS

### **Younger Member Forum**

YMF report uploaded to eRoom.

YMF has had good turnout at recent networking events.

The October-November University Outreach "Give and Office Tour to a CE Student" is underway.

YMF will hold a joint event with the Section on November 6, "Seattle Green Day." Marc will make an announcement during the meeting and YMF will post the event on their calendar.

Eric will be unavailable for the next 3 months. Rhiannon or Melissa will stand in for him.

NO ACTION ITEMS

### **Membership Report**

Membership Report uploaded to eRoom. The Section has 28 new members since September 1, 2010.

The Board discussed how the membership report is generated, and whether it reflects new members or includes renewals as new members.

Marc noted that a short survey of the membership is appropriate. The survey could cover topics such as meeting location, what would make members attend more frequently, etc.

ASCE Membership Renewal drive is underway. ASCE National has a competition for which Sections renew the most members. We will participate again this year, as we did last year. Starbucks gift cards will be used as a raffle incentive for membership renewal. Melissa will announce the membership drive at the meeting, and in the newsletter.

### **2. Old Business**

#### *Adopt-A-Road*

The Board decided that the first cleanup should be scheduled in April or May.

NO ACTION ITEMS

### **3. New Business**

#### *Joint Event with Oregon Section*

Melissa met with the Oregon Section president and discussed a possible joint event. The event may be a community service event. Melissa will follow up.

### **4. Announcements for Meeting**

- Membership drive - Melissa
- PSEC Mentoring nights - Paul
- Recognition of past officers - Ron

### **ADJOURNMENT**

Meeting adjourned at 5:50 p.m.

Minutes taken and submitted by Secretary, Mike Harney.

## **ASCE Seattle Section Executive Board Meeting Minutes Minutes for November, 2010**

The November 16 minutes will be published in the January 2011 newsletter.

# K-12 Outreach

Are you interested in  
inspiring the next generation  
of civil engineers?



Please join us for the next  
meeting of the Seattle Sec-  
tion's K-12 Outreach Group.

**Thursday December 9th**

**5:30-7:30 p.m.**

We'll try out some of the  
engineering activities and  
dinner will be provided!

We'll work on  
planning the  
following activities:

- Zoom into  
Engineering Day
- Project Site Visit

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## **Location:**

HDR, Inc. - Downtown Seattle  
Two Union Square  
601 Union Street, Suite 700

Please RSVP by Friday December 3rd to Erin Fletcher at (206)271-6629  
or [erin.fletcher@hdrinc.com](mailto:erin.fletcher@hdrinc.com)

## Welcome New ASCE Members!

We welcome the following 25 members, who joined the Seattle Section since October 12, including 8 new members attending Gonzaga University.

Mr. Michael Stadum, S.M.ASCE

Peter Somers P.E., M.ASCE  
*Magnusson Klemencic Associates*

Ms. Karen Aguiard, P.E., M.ASCE

Ms. Lisette Terry, P.E., M.ASCE

Miss. Carolyn Schepper, P.E., M.ASCE  
*Terra Associates*

Mr. Edward Speer, P.E., M.ASCE  
*CDM*

Mr. Rob Whitacre, A.M.ASCE

Mr. Winston Chen, P.E., M.ASCE  
*AECOM*

Ms. Kelina Wong, A.M.ASCE

Lucio Baack, S.M.ASCE

Mr. Lucas Pearl, S.M.ASCE

Ms. Sophia Nespor, S.M.ASCE

Ms. Margaret Janicki, S.M.ASCE

Mr. John Frech P.E., M.ASCE  
*BHC Consultants*

Mr. Joshua Arreola, S.M.ASCE

Mr. Matthew Theisen, S.M.ASCE

Mr. Adam Tyner IV, S.M.ASCE

Mrs. Katherine Kuder, Ph.D., A.M.ASCE  
*Seattle University*

Patrick Weber, P.E., M.ASCE

Mr. Bryan Wienand, A.M.ASCE  
*HDR Engineering*

Melissa Gehrmann, A.M.ASCE

Ms. Lisa Erickson, A.M.ASCE

Mark Layton, P.E., M.ASCE  
*Layton Consulting LTD*

Mr. Matthew Proxiv P.E., M.ASCE  
*Montgomery Watson Harza*

Mr. Fred McDonald P.E., M.ASCE  
*Quil Ceda Village*

SEATTLE SECTION  
AMERICAN SOCIETY  
OF CIVIL ENGINEERS



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