

March 2010

Structural Engineers Association of Washington

# SOUTHWEST CHAPTER



SEAW SW Chapter, P.O. Box 111480, Tacoma, WA 98411 [www.seaw.org](http://www.seaw.org) [seawswchapter@gmail.com](mailto:seawswchapter@gmail.com) 253.382.2901

**Wednesday, March 17th**

**Location: Hotel Murano**

**Address:**

1320 Broadway Plaza  
Tacoma, WA 98402

**Time:**

5:30 PM – Social Hour  
6:00 PM – Dinner  
7:00 PM – Presentation

**Cost:**

\$30 per person

**Meal Choices**

- *Slow Roasted 8 oz. Prim Rib Served with Au-Jus and Horseradish*
- *Chicken Cordon Bleu Stuffed with Apricots, Prosciutto and Blue Cheese*

*Dessert – Chef's Buffet of Assorted Deserts*

**Reservations:**

P: 253.382.2901

E: [seawswchapter@gmail.com](mailto:seawswchapter@gmail.com)

*\*Reservations Required. Deadline is*

**Monday, March 15, 2010**, and please RSVP with a meal selection.

**Simpson Biomass Project:**

This project was undertaken by Simpson Tacoma Kraft to better utilize the steam energy necessary to run a pulp and paper mill, and to take advantage of the demand for “green” power. The project included the installation of a 65MW turbine generator; auxiliary equipment such as a condenser, cooling tower, and lube oil system; boiler upgrades to the mill’s two large boilers; new high pressure feedwater pumps; conversion of mechanical drive turbines in the mill to electric motors; and mill steam system modifications to better utilize the steam energy. All the power generated by Simpson Biomass is sold through an independent power broker to California on a long term contract.

Bios continued on next page.....

SW Chapter Board Nominations  
Are Welcome.

Please Contact Bekah At  
[seawswchapter@gmail.com](mailto:seawswchapter@gmail.com) With  
Your Nomination

## Upcoming Events

March 17 <sup>th</sup>	SW Chapter Meeting
April 21 <sup>st</sup>	SW Chapter/Seattle Chapter Joint Meeting
TBA	YMF

## *Message from the President:*

As structural engineers, we most often design structures to provide interior spaces for groups of people to work, live, or learn. The “we” I am referring to is the AE-type structural engineers that most of our membership is made up of. To add a refreshing twist to our annual agenda of building-related topics, we have already had a presentation on the Hood Canal Bridge, and we have another bridge topic lined up for April’s joint meeting with the Seattle Chapter. This month, we will also be deviating from the norm, as we have invited some guests from the industrial field.

Oftentimes in industrial-structural engineering (ISE as I will call it), people are not the “primary” inhabitants, but rather equipment, machines and products are. Sure, these spaces need to be accessed by people, but usually only to operate, maintain, repair or replace the primary inhabitants. Therefore, there are typically two prime objectives for the ISE professionals: 1a, protect the life-safety of the people and 1b, protect the operation and its life-cycle. Part 1b is the objective that we AE-types are least familiar with. Much of ISE is not only to design for earthquakes, wind, and snow loads, but also to consider equipment loads, vibration, corrosion, and high pressures and temperatures. There is quite a lot more emphasis on material specification for this reason. Also, depending on the operation there may be significant thought put into the future expansion of facilities as business grows.

The pulp and paper mill located on the tide flats has made a significant presence in Tacoma for over a century. Come learn about the design, construction and operation of Simpson Tacoma Kraft’s cogeneration facility at this month’s meeting!

**Andrew Boileau, P.E., S.E.**  
[andrewboileau@sitts-hill-engineers.com](mailto:andrewboileau@sitts-hill-engineers.com)  
 (253) 474-9449

## *Bios for March 17<sup>th</sup>*

**Richard W. Crain, III, PE**  
*Simpson Tacoma Kraft*

Mr. Crain is a 1977 graduate of WSU with a BSME. He spent 12 years working in the power industry in Wyoming and New Mexico. In the late 80’s, he moved to Puget Sound and worked as a consulting engineer for 15 years before becoming a Senior Project Engineer at Simpson Tacoma Kraft in 2004. He has worked as a project engineer/project manager on projects at many industrial facilities, but primarily in power, metals processing, and pulp and paper. He was Simpson’s project manager for their recently completed Simpson Biomass Project.

**Jeffrey D. Baker, PE, SE**  
*Sitts & Hill Engineers*

Mr. Baker has 33 years of experience in structural engineering design and project management. Industrial and commercial projects have ranged from strip malls to large aircraft hangars, from catwalks to pulp mills. Much of his experience has been as the prime design consultant, where responsibilities included not only the structural design, but also the design of building envelopes, life-safety features, access and egress, and finishes. Coordination with and hiring of consultants such as mechanical and electrical engineers, architects, civil engineers, geotechnical consultants and surveyors were often included in project scopes.

## *Steeler Tour*

**Very limited attendees so sign up early!**

*When:* March 25th

*Time:* 3:00

*Where:* Steeler facility in Seattle

*Address:* 10023 Martin Luther King Jr. Way S.  
 Seattle, WA 98178.

RSVP to [seawschapter@gmail.com](mailto:seawschapter@gmail.com)

**Or**  
 253-382-2901

# TAKE ME OUT TO THE BALL GAME

When: Friday, June 11, 2010

Come Enjoy Fun, Food, Friends and Fireworks at Cheney Stadium where the SW Chapter will be hosting a fun filled evening!

You are also invited before the game to a tour of the stadium given by Bob Mast, who worked as a Junior Engineer when the Stadium was built in 1960.

## STAY TUNED FOR MORE DETAILS

### *Ticket Cost:*

\$11 per person which includes Reserved Seating Ticket,  
Hot Dog, Chips and Soda

or

\$17 per person which includes Reserved Seating Ticket,  
Hot Dog, Chips, Soda and a Tacoma Rainiers Ball cap

Time: *Tour: 6:00 PM*  
*Game: 7:00 PM*

Where:

Cheney Stadium  
2502 South Tyler  
Tacoma, WA 98405

Please send your RSVP to:

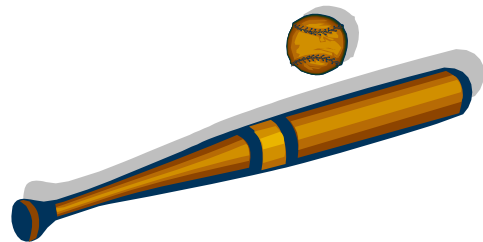
[SEANSNChapter@gmail.com](mailto:SEANSNChapter@gmail.com)

or

Call 253-382-2901

You can also register online

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



Lets Play Ball!!!!

# Claims & Changes Workshop

"Fundamentals of Claim/Change Order Preparation"

Thursday, April 29, 2010

[Click Here to Register for the Seattle/Tacoma Workshop](#)

Maplewood Greens, 4050 Maple Valley Hwy, Renton, WA 98058

**Workshop Schedule: 7:00 AM to 11:30 AM**

**Workshop Cost: \$148.00**

*Includes Breakfast Buffet, Coffee/Snack Breaks, Workbook & Parking  
(Discount of \$28.00 per registrant for 5 or more attendees from the same company)*

**Workshops** – The Workshops offered by Construction Seminars NW are for more in-depth training and cover numerous topics related to design, construction, development, scheduling, estimating, inspection and other aspects of construction. Workshops are setup for 25 to 50 participants and cost about \$148 – depending on location, topic and number of attendees. Workshops run 4-1/2 hours (from 7:00 AM to 11:30 AM).

**The First Signs of a Problem**

**Monitoring the Work – TIME & MONEY**

**Key areas of Cost Recovery – Damages**

**Communication – Proper & Timely Notifications**

**Resolution Options & Strategy (Protection versus Cooperation)**

**Understanding Delay & Disruption (Problems & Solutions)**

**The Preparation Process – Equitable Adjustment Request or Claim**

**Presentation of an Equitable Adjustment Request (EAR) or Claim**

**Warnings from the Past – Learn from Others Experience (both the Good & Bad)**

**Examples of Successful Claim Recoveries – Why & How**

**Proper Record Keeping & Documentation**

**Question & Discussion (Open Forum)**

*At the request of non-Contractor Professionals in related fields, 4.5 Seminar Hours of Continuing Education Credits may be obtained subject to requirements of the respective Licensing Boards – Architects (CPE credits), Engineers (PDH credits) and Real Estate (CE hours with Real Estate Broker approval) – Real Estate in Oregon Only (Washington & Idaho Real Estate are not available at this time). The CE Certificate is an additional \$20.00. CE Certificates will be e-mailed after the seminar.*



## Jack Petersen Webinar: March 23, 2010

### Architecturally Exposed Structural Steel (AESS)

The webinar will review information in the AISC Code of Standard Practice and interpret what is and is not covered. Understand shop processes and their effects on the appearance of the finished steel. Discuss how surface preparation of structural steel affects the bonding of paint and other high performance coating systems for steel. Discuss the relative cost ramifications of specifying AESS. Become familiar with a specification developed by the Structural Engineers Association of Colorado to define requirements of AESS on projects. Jack Petersen Bio



Jack Petersen, P.E., S.E. is a Principal with Martin/Martin Consulting Engineers in Lakewood, CO. He has over 25 years experience in the design of a wide range of commercial and industrial structures. Mr. Petersen was the President of the Structural Engineers Association of Colorado in 2003 and led the SEAC steel committee for several years. He has been a member of the AISC

Specification Committee since 2002

Cost: \$250 per internet connection

Several people may attend for one connection fee.

There will be a \$5 fee for each continuing education certificate requested.



To Register [Click Here](#)

This course will award 1.5 hours of continuing education.

The times will be 10:00 Pacific, 11:00 Mountain, 12:00 Central, and 1:00 Eastern

Approved in All 50 States

# SEAW Dues Invoices Have Been Emailed!

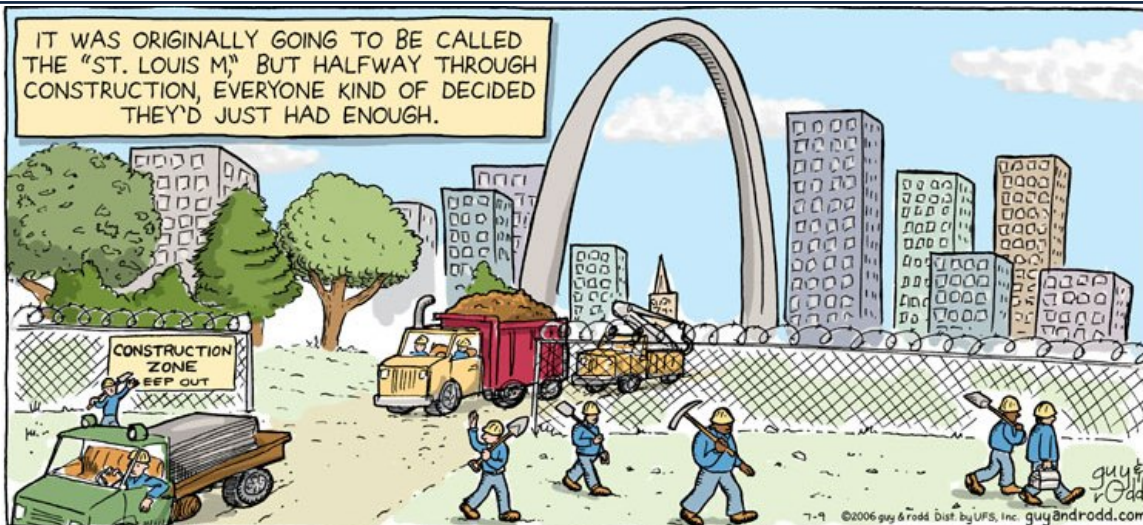
**INSTRUCTIONS FOR PAYING YOUR DUES ONLINE:**

1. Go to [www.seaw.org](http://www.seaw.org)
2. Log in to the member area (Default login name is your email address; password is your first name.
3. Click on "My Membership" in the menu bar
4. Select "Membership Renewal" in the gray menu bar to see if there is an outstanding invoice.
5. Select the invoice and Follow the prompts to pay your dues online using your VISA or MasterCard.
6. When your payment has been made, you will receive an automated receipt by email.

*Forgot your Login Information? Simply click on "Forgot Password" under the Member sign in area and enter your email address. Your information will be emailed to you.*

Or send check to:

SEAW  
 PO Box 44  
 Olympia WA 98507



**SEAW SW CHAPTER**  
 2009-2010 Board of Directors

**President**

Andrew Boileau  
 253.474.9449  
[andrewboileau@sitts-hill-engineers.com](mailto:andrewboileau@sitts-hill-engineers.com)

**Vice President**

Luke Heath  
 253.383.2797  
[lheath@pcs-structural.com](mailto:lheath@pcs-structural.com)

**Secretary**

Dan Sully  
 253.941.5019  
[dsully@cityoftacoma.org](mailto:dsully@cityoftacoma.org)

**Treasurer**

Andrew Pflueger  
 253.383.2422  
[apflueger@ahbl.com](mailto:apflueger@ahbl.com)

**Voting Director**

Todd Phillips  
 253.941.9929  
[tphillips@anderson-peyton.com](mailto:tphillips@anderson-peyton.com)

**Voting Director**

Jeff Klein  
 253.383.2797  
[jklein@pcs-structural.com](mailto:jklein@pcs-structural.com)

**Past President**

Mark Anderson  
 253.941.9929  
[manderson@anderson-peyton.com](mailto:manderson@anderson-peyton.com)

**Non-Voting Director**

Ian Frank  
 253.396.0150  
[frank@kpfftacoma.com](mailto:frank@kpfftacoma.com)

**Non-Voting Director**

Sara Imbruglio  
[sara.imbruglio@gmail.com](mailto:sara.imbruglio@gmail.com)

The SEAW Southwest Chapter newsletter is printed monthly from September through May. Circulation is approximately 150 members & related organizations. Articles, letters and announcements are accepted through the SW Chapter office at PO Box 111480, Tacoma WA 98411. Advertising Rates: Help wanted \$25; Goods/Services and inserts \$50. Items received by the 30<sup>th</sup> of the month will be considered for publication in the following month's issue. For information, contact the SW Chapter at 253-382-2901 or email [seawschapter@gmail.com](mailto:seawschapter@gmail.com)