

Structural Engineers Association of Washington

SOUTHWEST CHAPTER



SEAW SW Chapter, P.O. Box 111480, Tacoma, WA 98411
www.seaw.org seawswchapter@comcast.net 253.382.2936

President's Message

STRUCTURAL ENGINEERING –

“...something that offers great satisfaction and excitement, ...”

This is a portion of an article by Craig E. Barnes, PE, SEBC, as published in Structure magazine. Mr. Barnes is principal and founder of CBI Consulting Inc. and a member of STRUCTURE magazine's editorial board.

The article continues on to say ...”one's career is enhanced by understanding the importance of learning from experience – the realities of leadership, preparing for leadership roles in your workplace, the network of people that you meet, marketing (your-self, your employer, your profession), involvement in your profession (particularly in organizations whose mission and vision is to make a difference in that profession), learning new things, acting as or finding a mentor, discovering that you have talents, ideas and information that others are interested in learning about or from, and so on.”

The bottom line is that a “career” is not just going to work every day and doing your job – it is expanding your horizons and being involved in your industry inside and outside of work; both you and your “job/employer” benefit from the experience” and your local SEAW – SW Chapter is an excellence way to become involved in your profession.

SW Chapter Board Nominations
Are Welcome. Volunteer Today!

Our SEAW – SW chapter is currently looking for people that are interested in being involved at the local board level. Time commitment is typically less than 2 hours per month. If you are a licensed PE, you can also serve on the board as a non-voting director. All other positions require an SE. Please send me and email or give me a call if you are interested.

Mark Anderson, PE, SE
Anderson-Peyton Structural Engineering
Consultants
253-941-9929
manderson@anderson-peyton.com

Upcoming Events

- | | |
|-----------|--|
| April 16 | NCSEA – TMS Seminars |
| April 16 | SKGA Web Seminar |
| April 17 | CSI Training Seminar |
| April 27 | Seattle/Southwest Chapters Joint Dinner Meeting |
| May 6 & 7 | SSTC Seminars |
| May | AIA/SEAW Joint Meeting |
| September | Northwest Conference Southwest Chapter Hosts Downtown Tacoma |

Membership Applications Accepted

Jim Anderson

iLevel by Weyerhaeuser

B.S. Civil Engineering, University of Minnesota
Class: Professional Associate Membership

SEATTLE/SOUTHWEST CHAPTERS**JOINT DINNER MEETING**

Date: Monday, April 27, 2009

Location: McCormick & Schmick's
Harborside Restaurant
AGC Building – South lake Union
1200 Westlake Ave N.

Time: 5:15 – 6:00 PM Free Mini Seminar
5:30 – 6:30 PM Social Hour
6:30 – 7:30 PM Dinner &
Announcements
7:30 – 8:45 PM Program

Menu: Choose between
*Cashew Crusted Tilapia with
Jamaican Rum Butter Sauce* **OR**
*Pasta Primavera with Olive Oil,
White Wine and Pine Nuts*

Cost: \$30.00 SEAW members
\$35.00 Non-Members
\$15.00 Students

Reservations: Reservations deadline
Wednesday April 22nd

Email: seaw@seaw.org

Online: www.seaw.org

Reservations are required. Late reservations will be charged additional \$5.00.

Fifth & Yesler Building

Greg Schindler, PE,SE, KPFF
David M. Cotton, PE, Kleinfelder Inc

Monday, April 27, 2009

The 5th & Yesler project is a seventeen story concrete and steel framed office building in Seattle. It has an unusual shape and is set several stories into the slide-prone “Goat Hill” just north of the Yesler St. overpass on Fifth Avenue. The site geography and geology had enormous influence on the design of this new structure. The lateral system had to not only resist

the building loads but also hold up the hillside above. The project also involved constructing what may be the largest free-standing cantilever retaining wall in the city, where Terrace Street was extended into the hillside to access the building. Our April dinner program will feature Greg Schindler, P.E., S.E. of KPFF and David Cotton of Kleinfelder with presentations on the structural and geotechnical aspects of the Fifth & Yesler project.

Greg Schindler, PE, SE is an Associate with KPFF Consulting Engineers and has been practicing structural engineering on a wide variety of projects for over 35 years. He is a past president of both SEAW and NCSEA and was honored in 2001 as SEAW Structural Engineer of the Year. Currently, Greg is a member of the Editorial board of STRUCTURE magazine and serves on the NCSEA Code Advisory subcommittee on Quality Assurance and Special Inspection and is on the board of directors of the BSSC.

David M. Cotton, P.E., Associate, Principal Geotechnical Engineer, Kleinfelder, Inc. David has done consulting and design for the foundations and shoring systems of over 30 buildings in the Seattle Central Business District, with excavations extending over 100 feet in depth, over the last 35 years. He came to Seattle in 1974 and one of his first jobs was the first expansion of the Seattle Opera House, monitoring auger cast-in-place piles going in under the new stage area. David currently has over 6 buildings that he is working on, in different stages of design or construction, in the Seattle CBD.



Save the Date Northwest Conference

September 24–26, 2009

SEA Northwest Conference 2009
Hosted by Southwest Chapter

Hotel Murano
Tacoma, WA

Featured Speakers, Technical Sessions,
Networking, Tradeshow and more!!

Stay tuned for more info.

NCEES Exams

The NCEE Exams testing date is April 24, 2009!!!

Best of luck to all those who will be testing.

Please check on the [WA licensing website](#) for more information.

NCSEA – TMS Seminars

Enhancing continuing education available online, NCSEA is presenting six webinars in conjunction with The Masonry Society (TMS). The series will start February 5, 2009 and will take place on alternate Tuesdays through April 16. Watch the NCSEA website for registration information, including the opportunity to view the six webinars for the price of five!

NCSEA/TMS Joint Webinar schedule:

February 5 Masonry Basics, or Masonry 101

February 19 Allowable Stress Design of Masonry

March 5 Strength Design of Masonry

March 19 Masonry Tallwalls

April 2 Reinforced Masonry Shear Wall Design

April 16 Ensuring your Masonry is Constructed as Designed

www.ncsea.com

SW Chapter News Sarah Middleton

PCS Structural Solutions

After 23 years of assisting the SEAW Chapter Board and its members, Sarah Middleton has resigned from the Administrative Secretary position. We would like to extend a sincere thank you to Sarah for all her hard work and commitment to the chapter over years. **Thank you, Sarah!!**

Replacing Sarah is Ha Pham. She's an intern architect and a student at UW Seattle. If you have any questions, need any information or just want to say hi, drop her an email at seawswchapter@comcast.net.

Scholarships

Seth Thomas

Each year, with the proceeds of the Tradeshow, the SW Chapter awards a scholarship to an engineering student at University of Washington in Seattle.

This year, our scholarship was \$1000 and was awarded to Seth Thomas, a senior at the university with an expected graduation date of June 2009.

Congratulations, Seth!

Equipment Grants

St. Martin's University

The Tradeshow was also able to provide a university equipment grant to St. Martin University School of Engineering. With the SW Chapter's grant and matching fund, the school was able to purchase two bridge sets with load cells and two Advanced Structures sets.

The Board received a thank you letter from the school, expressing "sincere thanks to SEAW for continuous supports every year by providing generous equipment grants and scholarships to help our young engineering students.

SW Chapter News, cntd

Charles “Cap” Pearson

Celebrating 40 years of service

Cap joined the Structural Engineers Association of Washington in 1976. He became the Southwest Chapter President in 1983 and later the State President in 1984.

Now after 40 years and 12 editions of the building code,

Please join Cap in “recapping” those years on

April 21st from 2 to 4 pm

at the Tacoma Municipal Building, 747 Market Street, Room 708

Questions? Please call (253) 591-5334

Please remember that this is a surprise event.

If you would like to contact him, please do so after 2 pm on April 21st.

SKGA WEB SEMINARS

2009 IBC Structural Provisions: What’s New in Chapter 16?

*Thursday, April 16th
9:00 am to 11:00 am PDT*

This seminar discusses the major new features of the 2009 IBC Chapter 16 (General Design Requirements) provisions. Changes to the structural loading and design requirements (seismic, wind, and rain) will be presented. This also includes Question/Answer sessions with the participants. The seminar is designed to provide a great introduction to 2009 IBC Chapter 16 and assist the code user in making the transition to the new code.

2009 IBC Structural Provisions: What’s New in Chapter 19?

*Thursday, April 16th
12:30 pm to 2:30 pm PDT*

This seminar addresses the changes between Chapter 19 of the 2006 IBC and Chapter 19 of the 2009 IBC. The following changes to ACI 318-08, which is the design standard referenced in the 2009 IBC, will be discussed:

1. Durability requirements that are now given in terms of newly defined exposure categories and classes.
2. New provisions for headed stud assemblies as punching shear reinforcement in two-way slabs.
3. New provisions for headed mechanically anchored deformed bars.
4. New structural integrity requirements for two-way unbonded post-tensioned slab systems.
5. Newly streamlined slender column design provisions.
6. Consistent treatment of lightweight concrete throughout ACI 318.
7. Substantive and organizational changes to Chapter 21, Earthquake Resistant Structures.
8. Technical changes to Appendix D.

Following the discussion of these changes, Chapter 19 of the 2009 IBC will be discussed including amendments to ACI 318-08.

Registration Fees:

Please select \$250 for one site; \$435 for two sites; \$560 for three sites; for four or more sites: \$560 + \$60 for each site in addition to the fourth. All attendees can earn 2.0 professional development hours (PDH).

Click [here](#) for more information and registration online.



Mt. Rainier Chapter

of Construction Specifications Institute

www.csimtrainier.org

Friday Olympia chapter meeting at

“How the Governor’s Office of Regulatory Assistance can Serve you”

Speakers: Alan Bogner
Heather Rowton

Friday, April 17, 2008

Lunch Program Presentation

Will award 1.0 AIA CES & 0.1 CSI CEN

Learn who they are and what they do

Learn about their Integrated technology Projects to streamline environmental permitting

Learn about their Information Center on permitting, licensing and other regulatory information

Learn about how they are streamlining Business Licensing



Class Cost : \$25

Registration

& Lunch : 11:45 to 12:15 pm

Presentation : 12:15 to 1:15 pm

Reservations:

Please RSVP by 5:00 p.m. on Tuesday, 04/14/09 to Bob Kenworthy by phone or email
Phone: (253) 931-4904 Email: bkenworthy@auburn.wednet.edu Or Register on line at www.csimtrainier.org. Select "Events" or "Register". You Can Register On Line and Pay by Credit Card through PayPal or You Can Register On Line and Pay by Cash or Check at the Meeting. If you RSVP and then find that you will be unable to attend, please cancel by 5:00 p.m. on Tuesday, 04/14/09. No shows will be billed to cover charges by the restaurant.

Olympia Room at the Phoenix Inn

415 Capital Way North Olympia, Wa

CSI: Advancing the Process of Creating and Sustaining
the Built Environment since 1948

SSTC Seminars

Steel Structural Technology Center, Inc.

May 6 & 7, 2009

La Quinta Inn & Suites - Lakewood

11751 Pacific Hwy SW

Lakewood, WA 98499

P: 253-582-7000

There are three focus seminars. The “**Structural Steel and Bolting Inspection**” seminar includes International Building code (IBC) special inspection requirements, steel materials, steel fabrication and erection, and high-strength bolting. The “**Structural Welding Inspection**” seminar includes IBC special inspection requirements, and welding inspection under American Welding Society (AWS) Structural Welding Codes D1.1 – Steel, D1.3 – Sheet Steel, and D1.4 – Reinforcing Steel. The “**Plan Reading for Steel Construction**” includes structural design and shop drawings and specifications.

The seminars will be instructed by Robert Shaw, a consulting engineer with 35 years experience in steel construction and a specialist in steel construction and quality standards. He is intimately involved in steel construction standards, serving as a member of the AWS D1 Structural Welding

Committee and Subcommittee D1L on Seismic Welding, the AISC Committee on Specifications and Task Committee 9 on Seismic Design, and the Research Council on Structural Connections (RCSC) Specifications Committee. He also chairs Commission XV on Design, Analysis and Fabrication of Welded Structures of the international Institute of welding. As President of the SSTC, he has conducted seminars on structural steel inspection since 1990. He is also author of the Structural Bolting Handbook, the Structural Welding Quality Handbook, the Shop Inspection Handbook for Structural Steel Buildings, and the Structural Steel Inspector’s Workbook.

For more information on seminar schedule and registration, click [here](#).

Resources



AISC has gathered all of its free technical resources into one place - *freePubs!* From Specifications to Modern Steel Construction articles- if it's free, you'll find it here. Click on the logo below.

[freePubs](#)

SEAW SW CHAPTER

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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 30th of the month will be considered for publication in the following month's issue. For information, contact the SW Chapter at 253-382-2936 or email seawschapter@comcast.net