

May 09

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

Random end of year thoughts:

This 2008 - 2009 SEAW - SW Chapter Board year has gone by quickly, with many opportunities for learning and rubbing elbows with our friends, peers and fellow professionals:

September meeting: Joint ASCE meeting; Lincoln Avenue Grade Separation Project, Trevor Thornsely, P.E. and Chuck Spry, P.E., S.E.

October meeting: Basalite Concrete Block Manufacturing Plant Tour

November meeting: Joint CSI meeting; Permitting Made Easy - Lacey

January meeting: Seismic Rehabilitation of Existing Buildings, Cale Ash and Chad Taylor

February meeting: Snow Load revisions - John Tate, SE

March meeting: ATC - 20 Training

April meeting: Joint SEAW - Fifth & Yesler Building
Greg Schindler, PE, SE, KPFF
David M. Cotton, PE,
Kleinfelder Inc

May meeting: Joint AIA/SEAW/AGC meeting
St Anthony Hospital

Not to mention the board hours put in planning next fall's (September 24 & 25) NW Conference which will occur here in Tacoma. **Your corporate and individual participation is greatly encouraged!**

A special word of thanks to the current board members for their time of service:

Andrew McEachern AHBL
Past President

Andy Pflueger AHBL
Treasurer

SW Chapter Board Nominations
Are Welcome. Volunteer Today!

Dan Sully City of Tacoma
Secretary

Sara Imbruglio PCS Structural Solution
Non Voting Board

Todd Phillips Anderson-Peyton
Board Structural Engineers

Wes Neeley PCS Structural Solutions
Board

An extra special mention of thanks to our departing Executive Secretary: Sarah Middleton and to our incoming Executive Secretary: Ha Pham. Sarah has done a wonderful job for many years and we thank you again Sarah!!!

In summary, many opportunities to learn and to serve our profession were available. Hopefully all of you had a chance to be involved. **It only happens if you care and take the time to be involved!**

FYI - Voting for next year's officers and board members will be in May via email.

We all will get a chance to serve during the NW SEAW Conference this September 24 and 25 in Tacoma at the Murano Hotel.

I'm looking forward to another great year for SEAW - SW Chapter.

Off the grid and thanks to all,

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

Upcoming Events

May 6 & 7 SSTC Seminars

May 7 CSI Seminar

May 13 AIA/SEAW/AGC Joint Meeting

September SEAW NW Conference



2009 Joint AIA/SEAW/AGC Meeting

“The Design/Construction Side of Saint Anthony Hospital”

Prior to the completion of the new St. Anthony Hospital, the Key Peninsula Region represented one of the largest population centers in the State of Washington without a central community hospital. As a result, more than 3,500 emergencies and 4,000 patients requiring overnight care had to travel outside of the area for treatment. The 350,000 SF, 112-bed Franciscan Health System campus in Gig Harbor addresses the need for critical healthcare services within this growing region, and provides quality care in a patient centered environment that celebrates the local community’s maritime history, rich natural landscape, and the connection between nature, health, and well-being. Click on the "Event Summary" for a detailed description of this joint meeting and program.

PLEASE FORWARD THIS EMAIL TO OTHERS IN YOUR OFFICE OR FIELD. ATTENDANCE IS LIMITED, PLEASE REGISTER ASAP. DUE TO LIMITATIONS YOU MUST SIGN UP AND PAY FOR ENTIRE EVENT TO GO ON TOUR. THANKS.

TWO AIA Continuing Ed Credits will be available, (1 HSW for tour, 1 HSW for program)

4pm- 5pm - Private Tour by ZGF Architects – Saint Anthony Hospital Campus
[Directions to Saint Anthony Hospital Campus](#)

5pm- 6pm - Social Hour - Hosted bar by Addison - Canterwood Golf and Country Club

6pm- 8pm – Program/Dinner - Canterwood Golf and Country Club

Tour

Saint Anthony Hospital
 11567 Canterwood Blvd NW
 Gig Harbor, WA 98332

MAJOR SPONSORS

AHBL, Inc.
 KPFF Consulting Engineers
 PCS Structural Solutions

SPONSORS

CE&C (Construction Enterprise & Contractors)
 Swenson Say Faget

SUPPORTERS

IMAGINiT
 Ideate, Inc.

FEE \$45.00

WHEN April 13, 2009

WHERE Canterwood GCC
 12606 54th Ave NW
 Gig Harbor, WA 98332

[View Event Summary](#)

RSVP Monday, May 11, 2009



Save the date!!

Northwest Conference

September 24–25, 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.

Webinars

NCSEA



May 5, 2009

Code Requirements for Structural Integrity

Since the collapse of the twin World Trade Center Towers in New York, the ICC has been under pressure to adopt building code provisions to prevent disproportionate collapse or progressive collapse. In 2006, NCSEA formed a joint ad hoc industry committee to develop such provisions. The committee determined that the code and referenced standards already had substantial protection against disproportionate collapse but did not put forward a proposal to make the requirements for buildings of different construction types more consistent. This proposal has now been adopted into the 2009 International Building Code. This webinar will provide an overview of the Structural Integrity criteria contained in the 2009 IBC and referenced standards, and contrast these with criteria enforced by several federal agencies.

The cost is \$250 per internet connection. Several people may attend for one connection fee. The times will be 10:00 Pacific. *Click [here](#) to register.*

May 21, 2009

Understanding Tall Buildings Under Wind: Full-Scale Dynamic Behaviors

This webinar will address many of the unique

issues associated with tall buildings and the palette of mitigative strategies currently available to reduce their motions, drawing on over five years of full-scale monitoring efforts by the speaker and her colleagues aimed at systematically validating the design of these structures in full-scale. Observations from buildings in Chicago, Boston and throughout South Korea will be used to demonstrate the role structural system classification plays in damping prediction and in the level of amplitude-dependence observed in dynamic properties. Comparisons with finite element models for a number of buildings will further underscore the implications of common modeling assumptions used in design and the mismatches in natural frequency that can occur in full-scale. The webinar will also showcase unique behaviors that can be observed in buildings with significant coupling, amplitude dependence and exposure to transient wind events like gust fronts.

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. *Click [here](#) to register.*

June 16, 2009

Disaster Resilience as Sustainable Design

This presentation will examine the concept of disaster resilience and summarize the synergies between PBD and the sustainable design process. It will outline the developing procedures and design tools available to the structural designer as they integrate PBD into their green building projects. Lastly, it will discuss PBD within the context of the USBGC's current and future LEED rating system, and present case studies for examples of implementation.

This course will award 1.5 hours of continuing education.

The times will be 10:00 Pacific. *Click [here](#) to register.*

Conferences

ATC & SEI

Applied Technology Council & Structural Engineering Institute of ASCE

Improving the Seismic Performance of Existing Buildings and Other Structures

A state-of-the-art conference organized by the Applied Technology Council and the Structural Engineering Institute of ASCE, **December 9- 11, 2009**

This inaugural conference, organized by the Applied Technology Council and the Structural Engineering Institute of the American Society of Civil Engineers (ASCE), is dedicated solely to improving the seismic performance of existing buildings and other structures. The program is being planned to provide a forum for the presentation and exchange of new information on the seismic evaluation and seismic rehabilitation of existing buildings, including case studies, new discoveries, innovative use of new technologies and materials, implementation issues, needed improvements to existing standards and methods, and socio-economic issues. The goal is to provide an invaluable opportunity to advance your understanding of the tools, techniques and innovations available to assist you in meeting the challenges of seismic evaluation and rehabilitation. For those new to the profession, the conference will also provide an opportunity to get up to speed on core issues.

Whether you're a practicing engineer, an architect, involved with research or teaching, make plans now to attend and participate in this premiere event. With 42 states having some degree of earthquake risk and 18 of those having areas of high or very high seismicity, meeting the needs of our clients by solving the challenges posed by existing structures is paramount to protecting the life, safety and welfare of the general public. We look forward to seeing everyone in San Francisco.

Barry Goodno, Ph.D., P.E., F.ASCE
Christopher Rojahn, P.E.
James A. Rossberg, P.E.

For additional questions please email us at: information@atc-sei.org

ASCE

American Society of Civil Engineer

Registration for these seminars is closed **3 business days** prior to the seminar. If you are attempting to register within the 3 days before the seminar begins, please contact customer service at webinars@asce.org to see if space is available. Late registrations will be assessed a **\$25.00** late registration fee in addition to the normal registration fee.

ASCE Live Interactive Webinar schedule:

- May 1** Are You Fighting Fires Instead of Managing Your employees?
- May 5** Avoiding Problems in Specifying Metal Roofing
- May 6** Quality: What Is It and How Do We Achieve It?
- May 7** Going Green IV: Organic Waste Case Studies
- May 7** Revisions to the Manual on Uniform Traffic Control Devices (MUTCD)
- May 8** Preparing & Implementing Construction Site Storm Water Pollution Prevention Plans
- May 12** Monitoring Project Budgets and Schedules: Introduction to the Earned Value Method
- May 13** Design of Masonry Shear Walls
- May 14** Strengthening Concrete Buildings
- May 15** Access Management Best Practices
- May 19** Structural Steel Buildings: Design Basics
- May 20** Personal Time Management Achieving Life Balance
- May 21** Designing Streets for Residential Subdivisions
- May 26** Foundations for Metal Building Systems
- May 28** Design of Wood Connections
- May 29** How to Survive and Thrive in Climates of Uncertainty
- May 29** Practical Design for High Performance Hot Mix Asphalt (HMA)

<http://www.asce.org/webinar/list>

May 09

Structural Engineers Association of Washington

“Cap” Pearson 40th Anniversary



City of Tacoma employees and Cap's relatives and friends

Cap with Skip Bush and John Erickson



Cap with Don Lloyd and Lyn Messenger

Pete Rasmussen, Gary Knudson, David Johnson, Scott Beard



Washington Online Interactive Maps

Two new interactive mapping applications, the Washington Interactive Geologic Map and the Earth Resource Permit Locations map, have been added to the Washington Geologic Information Portal on the Internet.

The Washington Interactive Geologic Map provides

access to geologic mapping at several scales, earthquake and tsunami hazard mapping, and geothermal resource information. The Earth Resource Permit Locations map provides access to oil and gas exploration drill hole locations and surface mine reclamation permit sites.

Both applications include base information, such as shaded relief, aerial photography, quadrangle boundaries, highways, rivers, and other geographic reference features. Layers will be added to both applications periodically, as new datasets are prepared.

These applications are available [here](#).

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 or [here](#).

freePubs

SEAW SW CHAPTER

2008-2009 Board of Directors

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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 seawswchapter@comcast.net