



# EQUILIBRIUM

Newsletter of the Seattle Chapter  
Structural Engineers Association of Washington

March 2011

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

## Building Community and All That Jazz

Join us on Tuesday, March 22nd for a program on Pomegranate Center, a nonprofit community design and development organization bringing people together to build better communities.

Pomegranate Center and its founder Milenko Matanovic are known for their exceptional work in creating gathering spaces that involve community members in all phases of a project, from initial visioning, through design development, fabrication and construction. The visible parts of this work are unique parks, amphitheatres and artistic creations. The invisible parts are principles that Milenko has put to work over the past 24 years through Pomegranate Center. In this presentation Milenko will describe how these principles are applied to specific projects and explore their applicability to the local conditions.



Milenko Matanovic, Pomegranate Center founder

Milenko Matanovic is a community builder and a visual artist with a professional career and international reputation spanning over 40 years. As founding director of Pomegranate Center, he has created an arena in which art, public participation and community betterment converge. Facilitating the conception and construction of open-air gathering places, he involves community members in all phases of these projects, from generation of initial concept, through construction and stewardship. His work at Pomegranate Center has brought people and communities together to create and identify cultural, environmental and social priorities in community development. Milenko is an honorary professor of the Vladivostok Polytechnic University. In 2009, he was honored with the Bill Grace Leadership Legacy Award from the Center for Ethical Leadership.

This presentation will be valued at 1.5 PDH.

### Meeting Information:

- Date:** Tuesday, March 22, 2011
- Place:** Best Western Executive Inn  
200 Taylor Ave N, Seattle
- Time:** 5:00–6:00 PM Social Hour  
6:00–6:30 PM Dinner  
6:15–6:30 PM Welcome/Introductions  
6:30–8:00 PM Program
- Menu:** Entree Choices: Curry Prawns or Mediterranean Pasta
- Price:**

SEAW Members	\$30.00
Non-members	\$35.00
Students*	\$15.00
Registration after 2/17, add	\$5.00

\*unemployed *current* members may register at the student rate
- PDHs:** This presentation is valued at 1.5 PDHs

### Reservations Required

Reservation deadline is 5 PM Thursday, March 17.  
Register Online at [www.seaw.org](http://www.seaw.org)

### Prepayment is Requested

Credit Cards accepted online only; not at the door.  
No-shows and cancellations after the deadline will be subject to full charge.

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**The Social Hour  
at our  
March 22nd  
Dinner Meeting  
will be hosted by  
Kibble & Prentice**

## From the Board:

Your Seattle Chapter Board of Directors has been talking about improving statewide SEAW interaction. An idea being pursued by the Membership Committee, chaired by Cheryl Burwell, is to look at other Washington cities to see if there is an interest in forming new SEAW chapters. This has led to discussions of what services SEAW might provide to those structural engineers that don't happen to reside in a major population center.

Thanks to help from George Twiss, Executive Director of the Washington Board of Registration, we were able to get a listing of all licensed SEs in our state. I thought it would be interesting to sort the mailing addresses by city and count them up.

There are 14,611 total Professional Engineers in the state. 1,403 of these are Structural Engineers.

There are 32 SEs with non-US addresses—29 are Canadian (mostly Vancouver).

Looking at the mailing addresses of the 1,371 SEs that live in the US by state:

763	Washington
248	California

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Articles, letters, and announcements are accepted by e-mail to [seaw@seaw.org](mailto:seaw@seaw.org).

**Advertising rates (prepaid)**  
Help Wanted/Job wanted, max 200 words, \$65; Display ads: Quarter page, \$115; Half Page, \$150; Full Page \$190. 10% discount for ads running two or more months. Deadline is the 20th of the month. Contact SEAW for an advertising order form.

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119	Oregon
29	Colorado
24	Texas
18	Nevada
15	Utah
14	Montana
13	Idaho
12	Arizona
10	Minnesota
106	other states

This distribution of states seems to be reasonable—the close proximity of our neighboring states and the similarity of licensing laws would support this. We should probably think about what SEAW can provide to our non-resident SEs.

It's a fair bet that most of the work done in our state is by the 763 SEs that live here.

If we split the state along the Cascades we find that 54 SEs (about 7% of the total) get their mail in eastern Washington. Around 25% of the state population lives east of the Cascades so there are proportionally fewer SEs in eastern Washington. It would be interesting to see if the same is true of PEs.

The SEAW Spokane Chapter had around 29 SE members two years ago. When I grouped all addresses in and around Spokane I found that there are 40 licensed SEs (and thus potential SEAW members) living there. It is really impressive that the Spokane Chapter has such high participation (over 70%).

I then took a look at the South Central Chapter's logical home area to see what kind of results we would get. I listed the city names here to get the point across that these fourteen SEs are really spread out!

3	Kennewick
1	Manson
1	Richland
1	Sunnyside
2	Walla Walla/ College Place
4	Wenatchee
2	Yakima

The South Central Chapter, with 5 SE members, is a major success story for SEAW. South Central is different in that it draws from this broader and

less-populated area from Tri-Cities to Yakima to Wenatchee to Walla Walla. Ed Huston helped nurture this collection of SEs (led by Jill Shuttleworth and John Tate) into a very dedicated group of members that get together regularly to hone their engineering skills. When I asked Jill about this she told me that she belonged to the Southwest Chapter before moving to the Tri-Cities and she dearly missed the opportunity to meet regularly with other engineers. Jill is a big reason South Central is a success and she should be commended.

Coming back to the 709 SEs in Western Washington, I was able to group addresses within major population areas:

521	Greater Seattle
91	Greater Tacoma
50	Olympia
28	Vancouver
19	other places

A lot of Seattle SEs live on the east side of Lake Washington. Only 200 list Seattle as their mailing address and I expect that includes a lot of people that listed work as their mailing address but live on the east side. Our Seattle Chapter (with 297 SEs) has 57% participation of SEs in our area. Given that there are SEs in the transportation and aerospace businesses this seems like a respectably high participation rate.

The Southwest Chapter, with 57 SE members garners a very respectable 63% participation rate.

Olympia is possibly our best opportunity to organize a new SEAW chapter. Even though a large number of these SEs probably work for WSDOT in the transportation business, there are a number of structural engineering firms in the area.

Vancouver might be worth looking at for a small SEAW chapter, although a large number of the 28 in the area



probably work in Portland and may already belong to SEAO.

I am really surprised that there are not more SEs in places like Bellingham (they have 4 SEs). If we draw a larger circle from Lynden to La Conner we are able to expand this to about 10 SEs. This might be enough for a new small chapter based on a South Central model.

What lessons can we learn from this?

Most people live in or close to the major cities—that's where the jobs are.

All our chapters do a great job of attracting and keeping members. We should be proud of the overall participation in SEAW by Washington SEs.

We need to keep SEAW vital and relevant to the members we already have.

There is not a large untapped resource of SEs that don't already belong to SEAW but it would be worth identifying those non-SEAW SEs to see if we can get them to join.

Olympia might be a good city to form a new SEAW chapter.

SEAW may want to tailor services for SEs that live in non-populated areas or outside of the state.

*Howard Burton is the President of Seattle Structural PS Inc and current Seattle Chapter Vice President. He can be reached at:*

[hburton@seattlestructural.com](mailto:hburton@seattlestructural.com)

# Notice of Proposed Bylaws Changes

On February 22 the Seattle Chapter Board of Directors voted to refer the following bylaw amendments to the Seattle Chapter membership for approval. These changes modify the makeup and election procedure of the chapter board. Voting for these amendments will occur at the same time as voting for next year's Officers and Directors. If the amendment passes, these changes will take effect upon installation of the new chapter board in May.

## Increased Director terms

*The effect of this change:*

The board is currently comprised of four officers (President, Vice President, Past President and Treasurer) and four Directors, with two Directors elected each year to serve two-year terms. The bylaw amendment will change the length of each Director's term from two years to three years, with the total number of Directors being increased from four to six. The provision prohibit-

ing successive Director terms is also eliminated.

If this amendment passes, the current Directors will be asked to extend their terms to three years.

*The reason for this change:*

The length of Director terms have been two years since the beginning of SEAW. With the current size of chapter membership and the complexity of issues facing the board today, it takes a new Director over a year to really understand the running of our organization. The effect of two-year terms is that board members move off the board at about the time they gain their greatest effectiveness. Extending the term of Director to three years will allow our Directors to be more effective and provide a larger board to attend to the increased board responsibilities we currently face.

In his article below, Mark D'Amato, an active SEAW contributor and board advisor, talks about the changes he has

seen over the years with SEAW and the need for these changes.

## Change in nominating procedures

*The effect of this change:*

- We will continue to elect a Nominating Committee at our January dinner meeting but we will allow up to eight members to be nominated instead of restricting the number to five.
- The Nominating Committee's deadline will change from January 30<sup>th</sup> to February 20<sup>th</sup>.
- The Nominating Committee will provide at least one candidate for each Director position instead of two.
- Candidates will be announced in the March newsletter not later than March 10. Currently notice must be given to the membership by February 20.
- Ten days will be allowed for additional nominations by the membership instead of the current eight days.

- Electronic balloting will be specifically allowed.

*The reason for this change:*

The nominating process is another hold-over from the 1950s that worked well for a 100-member organization but imposes an unreasonable burden on our members today. Currently the Nominating Committee is under tremendous pressure to quickly find multiple candidates for the Vice-President and Director positions. By extending the time allowed, the Nominating Committee can do their work and recruit a slate of candidates more effectively.

Arne Carson, a perennial member of the Nominating Committee, addresses the issue of board nominations more thoroughly in his article below.

**The full text of the proposed amendments can be viewed in underline/ strikeout format on page 4.**

## WHAT SEAW NEEDS TO DO TO THRIVE IN THE 21<sup>ST</sup> CENTURY

By Mark D'Amato, P.E., S.E., Principal Engineer, DCI

I continue to be impressed by the level of commitment we get from our SEAW membership year after year. With the burden of raising families and pursuing careers, our fellow SEAW members contribute untold amounts of time to serve on local SEAW committees and national code-writing committees, serve on boards, write articles, and a multitude of other things that make the practice of structural engineering better.

The current SEAW state and chapter boards are challenging the way SEAW has always done business. In 2009 we changed the manner in which we nominate our Seattle Chapter Vice-President. Instead of having a runoff between two qualified candidates we moved

to a single nominee. This change allowed the Nominating Committee greater flexibility in recruiting a Vice-President. Previously, VP candidates were often told "don't worry – you may not get elected anyway!" This arrangement provided a false expectation for our VP candidates that was not healthy. When the Nominating Committee asks a member to assume the VP role we want the individual to take the nomination seriously, and agree to a three-year leadership commitment.

Your SEAW Seattle Chapter board has become a "working board" and is doing great things including increased involvement with the SEAW State organization and cooperation with national organizations. We need to support

*(go to D'Amato on page 6)*

## MODERNIZING THE NOMINATING PROCESS

Arne Carson, PE, SE, Principal, KPFF

At the February dinner meeting I joked that if you really wanted to serve on the Nominating Committee, one sure way was to miss the January meeting (where your friends will nominate you and not give you a chance to say no). Seriously, I have been honored to serve on the majority of Nominating Committees over the past ten years and it has been a great experience.

We usually have the core group that serves year after year along with a healthy mix of new members. It helps to have the institutional memory of what happened the previous year. We are always under the gun to complete the nomination before the end of January (for some archaic unknown reason) so we will typically meet the week following the

January dinner meeting, usually in a convenient drinking establishment.

Each year Lynnell provides us with a list of all Member SEs (our pool of potential Directors and Officers) as well as a list of the last ten years of Director nominees and election results. The committee also keeps a spreadsheet of members that were asked previous years and what their response were. Often a potential member will tell us that they really want to serve on the board but they have some commitment (grade-school aged children is a popular concern) that keeps them from serving this year but "please keep me on the list."

It is a real balancing act to figure out how many times a promising candidate will

*(go to Carson on page 6)*

# Proposed Bylaws Changes

## ARTICLE V

### Officers and Directors

- Section 1. The Officers shall be a President, Vice President, Past President, Secretary and Treasurer. Past President shall be the most recent past President.
- Section 2. The Board of Directors shall consist of the Officers and Directors. Only members of the classification Member SE may serve as Officers or Directors.
- Section 3. The President and Vice President shall be elected annually for a term of one year.
- Section 4. Two Directors shall be elected annually for a term of ~~two~~three years. ~~Vacant Director positions shall be elected to the remaining term of one year. Directors shall be ineligible to succeed themselves.~~
- Section 5. Both the Secretary and the Treasurer shall be appointed by, and shall serve at the pleasure of, the Board of Directors. The Secretary position may be left vacant if a commercial secretarial service is retained.
- Section 6. Except as otherwise provided, a vacancy in any office shall be filled by appointment by the Board of Directors ~~until the next annual election.~~

## ARTICLE VI

### Nomination and Election of Officers and Directors

- Section 1. The election of officers and Directors shall be held each year ~~prior to~~ at the ~~end~~annual meeting in the ~~month~~ of April.
- Section 2. Candidates for the offices of President, Vice President, and Directors shall be nominated and elected in accordance with the following procedure:
- A nominating Committee consisting of no fewer than five (5) and no more than eight (8) Member SEs shall be nominated and elected by voice vote at the January meeting of the Chapter. Nominations for this committee may be made by members of any classification but only Member SEs shall be nominated. ~~If more than five (5) Member SEs are nominated, the five receiving the highest vote shall be declared elected to the Nominating Committee.~~ The Incumbent President shall serve on the committee in an advisory capacity and cannot participate in the voting. Service on this committee shall not affect a member's eligibility for office. ~~Prior to February 20~~On or about January 30th, the Nominating Committee shall report their nominations for office: one (1) name for President, at least one (1) name for Vice President, and at least one (1) name ~~two (2) names~~ for ~~each~~ Director to be elected. Notice of candidates for office shall be made to the membership in the March newsletter, or by other means, no later than March 10. ~~This report shall be sent to members eligible to vote before February 20. Until February 28th, a~~ Additional nominations may be made by petition of at least five (5) Member SEs when received within 10 days of date of notice.
- Section 3. Elections shall be by letter or electronic ballot. Members shall be given a minimum of 20 days to vote. ~~Before March 20, all members eligible to vote shall be sent a ballot. The marked ballot shall be sealed in the plain envelope, which shall be signed by the voter, and returned to the Secretary before the time set for closing the vote at the Annual Meeting. The ballots shall then be counted and those receiving the highest vote shall be declared elected.~~
- Section 4. All elections shall be conducted by the Elections Committee, a Committee of three (3) members appointed by the President. This Committee shall warrant to the membership the proper conduct of the nomination and the elections in accordance with these By-laws. ~~The Elections Committee will count the ballots and declare the results of the balloting at the earliest time to the membership in a Chapter meeting and in correspondence to the membership.~~
- Section ~~4~~5. Officers and Directors of the Chapter shall take office at the regular May meeting of the Board of Directors.
- Section ~~5~~6. The Past President, President, and Vice President shall represent the Chapter as members of the Board of Trustees, State Association of the Structural Engineers Association of Washington. If no Past President is available, the Board of Directors shall appoint one of the Directors to serve in this position subject to any classification requirements of the State Bylaws.

## Chapter Board Nominations

The Seattle Chapter nominating committee submitted the names of the following MEMBERS as candidates for the 2011-2012 board of directors.

**President:**

Howard Burton

**Vice President:**

Andrew McGlenn

**Directors (two positions)**

Cale Ash • Brian Pavlovec  
Tom Corcoran • Steve Dil

The nominating committee notes that although Andrew McGlenn was elected as Seattle Chapter Vice President in 2009, a work opportunity required him to be in Australia for what he thought would be three to six months. As things sometimes go, three to six months turned into a year and six months, and Andrew was

out of the country for most of his VP year and half of his current President term.

Due to his involvement being limited by these circumstances, the Nominating Committee asked Andrew to restart his presidential rotation and he has graciously accepted the nomination.

This year's election will be held electronically. Candidates' statements and ballots will be sent in late March. Election results will be announced at the April 26th Seattle/SW Chapter joint dinner meeting.

Thank you to our nominating committee:

Arne Carson • Cale Ash  
Mark D'Amato • Ed Huston  
John Hooper • Mike Wright  
Howard Burton, advisor

## The New Structural Exam Has Arrived!

The first administration of the new 16 hour SE exam will be on April 8th and 9th. Candidates can become licensed as an SE in Washington by passing the new 16-hour exam this April or thereafter.

This NCEES SE exam will replace the previous NCEES SEII and Washington State SEIII exams. There will be one final administration of the SEIII exam by Washington State in October 2011. Examinees who have passed the SEII and pass that SEIII exam can still become licensed SEs in Washington without taking the new exam.

The new 16 hour exam is split into two days of 8 hour exams. Day 1 of the exam will test design for gravity loads and incidental lateral loads such as earth pressure behind a retaining wall or ice pressure on a bridge pier. Day 2 of the exam will test design for high wind and

high seismic forces.

For each day there will be a morning breadth session and an afternoon depth session. The morning session will have multiple choice questions. The afternoon session will have essay questions. The examinees will choose between buildings and bridges for the afternoon session. The same choice must be made for both days of the exam.

You must achieve an acceptable result on both days of the exam to pass the exam and become an SE. You must successfully complete both the morning and afternoon sessions of either day to achieve an acceptable result on that day's exam; however, you do not have to achieve an acceptable result on both days of the exam during the same exam administration (April or October). For example, you can achieve an acceptable result on the gravity



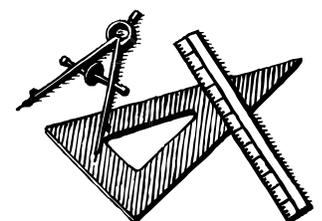
STRUCTURAL ENGINEERS ASSOCIATION  
**2011 NW CONFERENCE**  
SEAW SEAO SEAI BC  
Hosted by:  
Spokane and South Central Chapter SEAW  
Thurs Sept. 22<sup>nd</sup> & Friday Sept. 23<sup>rd</sup>, 2011  
Red Lion Inn at the Park Spokane, WA  
EARN UP TO 10 PDH'S  
INNOVATIVE TECHNICAL TOPICS  
PROFESSIONAL NETWORKING  
YOUNG MEMBER'S FORUM  
FEATURED PROJECT  
EXHIBITORS  
Would your firm or organization like to participate?  
Contact [seaw@seaw.org](mailto:seaw@seaw.org)

exam in one administration (i.e., October 2011) and then take the high wind/high seismic exam in a subsequent administration (i.e., April 2012). In Washington State, you will be required to achieve an acceptable result on both days' exams within a five-year period.

A sample book of problems for the new SE exam is available for purchase on the NCEES website. The sample book contains a sample exam of multiple choice and afternoon essay questions for both days of the exam for both buildings and bridges.

SEAW is currently exploring how the new exam will change the format of its popular refresher course. Stay tuned for updates!

More details about the exam can be found on the NCEES website at [http://www.ncees.org/Exams/SE\\_exam.php](http://www.ncees.org/Exams/SE_exam.php)



By Dan Yeager, YMF Chair

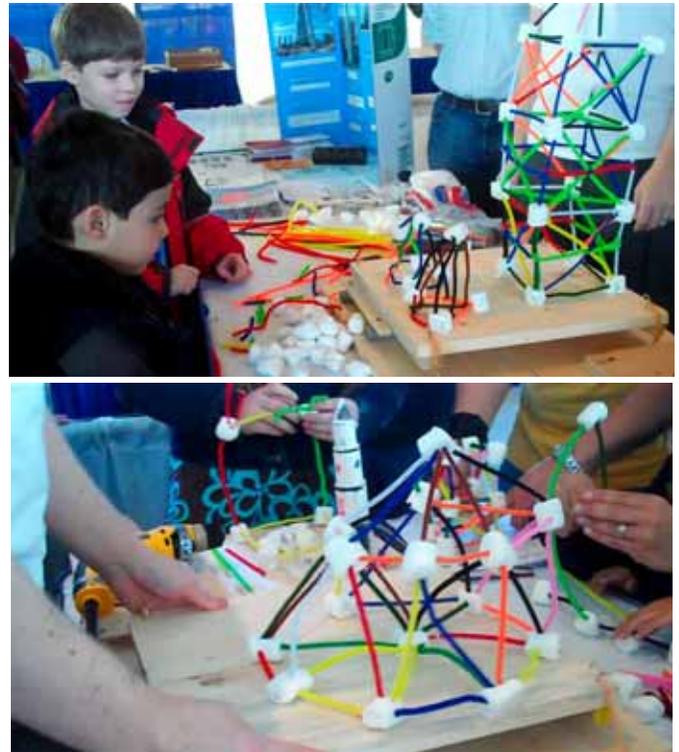
Every year the Puget Sound Engineering Council (PSEC) hosts an engineering fair at the Museum of Flight. The fair consists of about 25 booths, each staffed by professional engineers, staff, and college students from local engineering societies, businesses, and colleges. In addition to the booths, the fair also includes the Popsicle stick bridge building competition sponsored by the American Society of Civil Engineers.

The fair this year, held on Saturday, February 19<sup>th</sup>, was widely attended by students from kindergarten through grade 12. As in previous years the YMF manned the SEAW booth where YMF members taught structural engineering principles to students through the technique of building model structures with marshmallows

and pipe cleaners. The students were then able to test the stability of their structures by placing them on a home made shake table. Other activities available for the students to take home consisted of a word search, crossword puzzle, and FEMA earthquake preparedness pamphlets.

The popularity of the model-building activity and interest of students was reflected in the use of over 2000 pipe cleaners and 500 marshmallows before the conclusion of the fair. With such interest in structures, there may have been many of our future engineering colleagues in attendance that day.

*At right: Visitors to the SEAW booth experiment with structural stability using marshmallows and pipe cleaners.*



## YMF Leadership

**Chair:**  
Dan Yeager  
[dyeager@dc-engineers.com](mailto:dyeager@dc-engineers.com)

**Vice Chair:**  
Robyn Yang  
[ryang@dc-engineers.com](mailto:ryang@dc-engineers.com)

**Social Representative:**  
Amanda Johnson  
[ajohnson@quantumce.com](mailto:ajohnson@quantumce.com)

**Past Chair:**  
Jessica Jenness  
[jessicajenness@hotmail.com](mailto:jessicajenness@hotmail.com)

**Outreach Representative:**  
Kevin Solberg  
[kms@mka.com](mailto:kms@mka.com)

*D'Amato (Continued from page 3)*

these folks. The current board would like to extend the term of Director from two to three years in order to increase their effectiveness both as individual board members and as an oversight board for all the various SEAW activities they are responsible for.

As a past president of the Seattle Chapter and a current member of the Practice Committee and new Structural Engineers Foundation Board of Directors, I enthusiastically endorse the proposed bylaw amendments and hope you join me in supporting SEAW in these changes.

*Carson (Continued from page 3)*

agree to stand for office. A few years ago we changed the process for Vice President nominations so that we no longer had to provide two candidates for the position. This was a huge improvement: having a single candi-

date allows the Nominating Committee to most effectively recruit the most qualified candidate for the office. Changing the process for nominating Directors in the same way makes perfect sense.

The Nominating Committee works to strike a balance between large- and small-firm board representation, and we often look for individuals with specific talents or interests. For those of you that have not served on the board but have an interest I strongly recommend that you let your interest be known to the board or next year's Nominating Committee. I'm sure SEAW could use your talents!

Changing the timing of the nomination procedure simply makes good sense. The timing included in the proposed by-law amendment will allow the Nominating Committee time to recruit the most effective board possible. The changes proposed for the nominating procedure will provide for more effective future boards. These changes are long past due.

## Upcoming YMF Events

- March 8** Happy Hour, 5:00 PM  
Kells, 1916 Post Alley, Seattle
- April 2** Habitat for Humanity Event  
info: [ryang@dc-engineers.com](mailto:ryang@dc-engineers.com)
- April 13** Happy Hour, 5:00 PM  
Barolo, 1940 Westlake, Seattle
- May 10** Happy Hour, 5:00 PM  
Whiskey Bar 2000 2nd Ave, Seattle

Created in 2007, the Younger Member Forum provides networking and social opportunities to SEAW members 35 and under, as well as new non-member engineers and students. All SEAW members are welcome to participate in YMF functions.

# February Meeting Recap

## Professional Practice Issues Topic of Joint Meeting

With the threat of snow looming over the city, the February Seattle Chapter/ACI Dinner Meeting was started a little early with the hope of getting out before any snow stuck to the roads. (Note: at least for my commute home, it worked!) The topic, Current Issues in Professional Practice, was presented by multiple speakers and each formal presentation of an issue was followed by audience discussion. This kept the evening more lively and was a showcase for the Professional Practice Committee and some of the topics that they have discussed recently.

### The Definition of Professional Practice

For the first segment, the RCWs (Revised Code of Washington) regarding the definition of Professional Engineers were reviewed. As it turns out, the definitions are very long, wordy sentences that can have many interpretations. But generally, professional engineering involves the following four activities: 1) special knowledge, 2) training, education, and experience, 3) performing a service or creative work, and 4) ethics and moral standings. And then the definition of an SE involves additional education, experience, and exams. There are gray areas as to whether a PE is required for performing a particular profession and

whether the experience gathered doing this profession can count towards becoming a PE. These professions include plans examiners and college professors. Based on the four-point definition above, the question is whether these professions perform a service of creative work. And it was brought up that certain states (Texas) have answered this question (no) and others have not (Washington).

### What Are SE's Responsible For?

Quick answer: Whatever goes wrong. Long answer: The SE has three responsibilities: standard of care, conforming to the building code, and contractual obligations. Sounds simple enough, but even discounting any ambiguity in written contracts and the constantly shifting nature of the standard of care, the building code itself leaves plenty of room for interpretation. Codes are so complicated that it's likely that the building code is violated in some way on every project.

### What Do We Stamp?

There are also laws stating what needs to be stamped and signed and what just needs to be stamped. The simple rule is "final" documents need to be stamped and signed, whereas "preliminary" documents just need to be stamped. Definitions of final and preliminary

are included but based on these, nearly every piece of paper leaving an engineering office should have a stamp on it. And this doesn't even reflect the complicated nature of "wet stamping." Many jurisdictions require it, but it's not technically in the law anywhere. And how will this be affected when the City of Seattle moves to all-electronic submittals?

As you can see from the above summary these are all important questions that affect most every engineer but there are no right answers to any of them. It's all very subjective. And to this end, the Professional Practices Committee will be sending out a survey in a future issue of the Equilibrium regarding standards of practice. It can be filled out anonymously and

they want to use it as back-up for any future discussions they may have with the Board of Registration. So please take some time to fill it out when you see it.

The presenters at the meeting were as follows: Mike Bramhall, PE, SE, Case Forensics Corporation; Jim Coughlin, PE, SE Coughlin Porter Lundeen, Inc.; Mark D'Amato, PE, SE, DCI Engineers, Inc.; Adam Ludwig, PE, SE, Magnusson Klemencic Associates; Jon Siu, PE, SE, City of Seattle DPD; and John Tawressey PE, SE, KPFF Consulting Engineers.

Written by Karen Damianick, PE, SE. A frequent contributor to the Equilibrium, Karen has been a member of SEAW since 2003. She may be contacted at [kld@kldengineering.com](mailto:kld@kldengineering.com)

## Got Structure? (Structure Magazine, that is)

All dues paying Members of NCSEA's Member Organizations receive a subscription to *Structure Magazine*. If you are not currently receiving this excellent publication, contact the SEAW office at [seaw@seaw.org](mailto:seaw@seaw.org). We'll see that your subscription is registered.

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E-mail: [pgc@pressuregrout.com](mailto:pgc@pressuregrout.com)  
[www.pressuregrout.com](http://www.pressuregrout.com)

# Meetings, Seminars, Announcements

## BIM Seminar:

### BIM Process, Adoption, and Integration

Come and join us for this free half-day seminar that will provide participants an understanding of the BIM Process and technologies as they relate to the AEC Industry. Hosted by PacificCAD Inc. Kennewick, WA—March 23<sup>rd</sup> Moses Lake, WA—April 19<sup>th</sup> To register, visit <http://www.pacificcad.com/BIMevents/default.asp>

## Seattle Revit Structure User Group

The next Seattle Revit Structure User Group meeting will be Thursday, March 24, at 12 pm. This month's topic will be ARCHITECTS' PERSPECTIVES ON STRUCTURAL

MODELS. To spark a conversation about BIM coordination between our two disciplines, we will have in attendance representatives from a few architecture firms, including Integrus, ZGF and Miller | Hull.

This discussion will be an informal roundtable dialogue as always, so we absolutely want you to share your difficulties, tips, tricks, lessons learned. Bring your burning questions, bring your suggestions, and most of all, bring your LUNCH!

No Revit experience required. Users of all levels are welcome.

What: Seattle Revit Structure User Group meeting  
When: Thursday, March 24, 2011, 12 pm—1 pm.

Where: One Union Square, Seattle, WA 98101  
3<sup>rd</sup> Floor Conference Room, Suite 318

To RSVP or for questions, please contact Irina Wong at [iwong@degenkolb.com](mailto:iwong@degenkolb.com). Hope to see you there!

## Pacific Northwest Bridge Inspectors' Conference

April 19–21, 2011  
Red Lion Hotel On The River, Jantzen Beach, Portland

The states of Oregon, Washington, Idaho, Alaska, and the FHWA are jointly hosting the 2011 Pacific Northwest Bridge Inspectors' Conference. The conference provides a forum for bridge inspectors and managers to share information, innova-

tions, ideas, and best practices. Additional opportunity will be provided for attendees to gain a current federal perspective on the implementation requirements of the NBIS.

## Who Should Attend?

The audience is intended for: city, county, state, federal, and consultant bridge inspectors and bridge managers who participate in the collection, interpretation, and reporting of bridge inspection data.

Washington State University's Continuing Education Units are available for this training.

The following link has more information and specifics on the conference: <http://conferences.wsu.edu/bridgeinspectors>

# Opportunities

## Structural Engineer

**CONFIDENTIAL SEARCH:** Our client is an internationally-recognized designer of deep marine infrastructure, including deep water foundations, bridges, ports and harbors, inland waterways, locks and dams, offshore wind turbines, marine terminals, dry docks, immersed tunnels, and coastal structures. With a focused team of structural and geotechnical engineers the firm provides support to some of the world's most complex projects.

The firm seeks to leverage their existing pool of talent, based in Seattle and supporting projects throughout the globe, in the regional market to include WA, OR, AK and BC. The successful leader in this capacity brings supervisory experience, project management credentials and client relationship management expertise, and has been operating in the region for at least 5+ years. The primary expectations will be to sup-

port the office as it continues to produce excellent work, while also positioning this internationally-focused niche firm as an established regional presence.

The qualified individual will be a structural engineer with experience in one or more of the above referenced marine structural engineering project types. A minimum of a BS in Civil/Structural Engineering and 10 years of experience is the starting point for consideration.

For confidential inquiry, please contact [search\\_547@redmondsearch.com](mailto:search_547@redmondsearch.com) or call Josie Summa at 904.683.7000

## Structural Engineer

**MLA Engineering, pllc** provides structural engineering design and consulting services for local, regional and national projects. We specialize in the design of public buildings and the seismic evaluation and improve-

ments of existing structures.

MLA has an engineering position, immediate available, that is suited for a candidate with 5 to 15 years of design experience who is competent in designing with all major construction materials. Candidates who are motivated to use their technical, organizational, and communication skills and who work well with a small group of professionals will welcome this opportunity. Our work environment encourages creativity, teamwork, and growth. Interested individuals please contact Michael Leonard at email: [mleonard@mlaengineering.com](mailto:mleonard@mlaengineering.com) or write to the address provided below.

MLA Engineering, pllc  
1424 Fourth Ave, Suite 815  
Seattle, WA 98101

## SEAW Opportunities

The State SEAW has several opportunities for committee involvement. Most of the work of the association happens in committees, and involvement by members provides not only a service to the organization, but an excellent opportunity for professional development.

Committees welcome participation by interested members regardless of their level of experience. Take a look at the committee contacts on page 4 of this newsletter

Currently we have a need for a **Financial Committee member:** This person will provide a backup to Treasurer Ted Smith in the financial oversight of SEAW Seattle Chapter and State Association. Activities include budgeting, reporting, and state tax reporting. Does not include day-to-day operations.



# STRUCTURAL ENGINEERS ASSOCIATION of WASHINGTON • Seattle Chapter

PO Box 44 • Olympia WA 98507 • 206/682-6026 • www.seaw.org

## Seattle Chapter Committees & Chairs

House/Program	Peter Opsahl
Refresher Course	Mark Moorlegghen
Membership	Cheryl Burwell
Newsletter	Lynnell Brunswig
Presentations/Awards	Andrew McGlenn
Engineer of the Year	Ed Huston
Governance	Howard Burton
Committee Oversight	Tom Bykonen
YMF	Dan Yeager

## Statewide Committees & Chairs

Code Advisory	John Hooper
Earthquake Engineering	Tom Xia
Building Engineering	Scott Beard
Existing Buildings	Peter Somers
Professional Practices	John Tawresey
Wind Engineering	Scott Douglas
Exam Liaison	Ed Huston

Scholarship	Bill Mooseker
Legislation	Matt Toton
Education	Joe Ferzli
Finance & Auditing	Ted Smith
Disaster Prep/Response	Paul Brallier
Public Information	Cale Ash
Sustainability	Marjorie Lund
Snow Load	John Tate
SEAW Historian	Don Northey

For Committee contact information, visit [www.seaw.org](http://www.seaw.org) and click the Committee page

## SEAW Calendar

### MARCH, 2011

Tuesday	8th	YMF Happy Hour 5:00 PM Kells, 1916 Post Alley, Seattle
Friday	18th	Electronic Board Election (results by 4/22/11)
Tuesday	22nd	Seattle Chapter Dinner Meeting
Monday	20th	April Newsletter deadline
Friday	25th	Seattle Chapter/State Board meeting
Thursday	31st	Scholarship application deadline

### APRIL, 2011

Saturday	2nd	YMF Habitat for Humanity Event
Tuesday	12th	YMF Happy Hour 5:00 PM Barolo, 1940 Westlake Ave, Seattle
Wednesday	20th	May Newsletter deadline
Tuesday	26th	Seattle Chapter Board meeting Seattle Chapter Dinner Meeting

## It's Dues Time!

### INSTRUCTIONS FOR PAYING YOUR DUES ONLINE:

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

## Membership

### Membership Applications

**Byounggeon Kim**  
Magnusson Klemencic Associates  
BS 2002, Purdue University  
MS 2007 University of California at Berkeley  
Class: Associate

### Applications Accepted

**John Crase, Member PE**

### Members Deleted

Kyle Glen, Associate - resigned; left area

### Memberships Expired:

Dennis Baerwald, Member SE	Theodore McDonald, Member SE
Kevin Bonner, Member PE	Richard Miller, Member PE
Jim Bragdon, Associate	Brian Moll, Member SE
Adam Christopoulos, Member PE	Keith Moore, Member SE
Anatalia Countiss, Student	Kyle Murdock, Associate
Steven Edmiston, Member PE	Sarah Ng, Associate
Derry Evanger, Member PE	Quyen Nguyen, Member PE
Jeffrey Gilliland, Member SE	Natosha Norlin-Voegele, Mem- ber PE
Jeffrey Goodwin, Member SE	Cathy Poshusta, Associate
James Hagensen, Member SE	Richard Powers, Member PE
Richard Hawksworth, Associate	Shawn Roberge, Member PE
Norman Hodges, Member PE	Christopher Shaw, Affiliate
David Hornsby, Member SE	Luke Showalter, Associate
Gregory Jacobson, Member PE	Craig Stainer, Member SE
Alan Johnson, Member SE	Brian Walkenhauer, Student
Darren Johnston, Member PE	Charles Waugh, Member SE
Rocco Koekemoer, Associate	Christopher White, Member PE
Dinesh Kumar, Associate	Mathew Wies, Member SE
Thomas Langton, Member SE	John Lowell Young, Member SE
Greg Lee, Member PE	Jin Yu, Member SE
Patrick Lindblom, Associate	

### SEAW Member Stats as of February 28, 2011

	Seattle Chapter	State SEAW
Total membership:	630	879
Dues paying members:	567	793
Members paid for 2011	322	445
Paid percentage	56%	56%