



EQUILIBRIUM

Newsletter of the Seattle Chapter
Structural Engineers Association of Washington

NOVEMBER 2006

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**No Meeting in
December**

Coming In January:
Building Information
Modeling (BIM)
Demonstration and
panel discussion

November Meeting Geared Toward Younger Members and Students

SEAW Seattle Chapter will hold its second annual YMF/Student meeting on Tuesday the 28th at the University of Washington's Waterfront Activities Center. Although dedicated to young and student engineers, the meeting is intended to be of interest to all our members.

Thanks to a generous grant by DCI Engineers, Students with current ID are invited to attend at no charge.

Firms Showcase

In the place of our usual pre-meeting mini-seminar, we will begin the evening with a networking event tailored to provide information to attendees on various structural design firms in the Seattle region. Representatives will be on hand from Coughlin Porter Lundeen, Quantum Consulting Engineers, PND Engineers, MKA, PCS Structural Solutions, Swenson Say Faget, Reid Middleton, Seattle Structural PS, Tetra Tech/KCM, and Poggemeyer Design Group. The purpose of the showcase is to provide firms an opportunity to share the types of projects they work with and to give attendees an opportunity to ask questions about the different aspects of the business of structural engineering.

Student Project Showcase

Following dinner, the evening's main program will feature presentations by several student organizations. We'll have a presentation by UW Concrete Canoe Team members with a recap of the 2006 competition and what's in store for 2007. Next, UW Steel Bridge team members will present their experiences and lessons learned with the 2006 team with a glance at plans for 2007. Finally, members of the Seattle University Chapter of Engineers without Borders will be on hand to discuss their recent Nicaragua project.

Directions and Parking

The Waterfront Activities Center

(WAC) is located directly behind Husky Stadium on Union Bay and the Montlake Cut. Parking is available for a \$5.00 fee in lot E-12 adjacent to the Waterfront Activities Center. The availability of parking cannot be guaranteed. Citations may be issued to vehicles without parking permits.

If you plan on parking on campus while attending an event at the WAC please stop and buy a parking permit from the campus gatehouse located in front of the football stadium or contact the Parking Services Special Events Office at 206-616-8710 for information.

Meeting Information

Date: Tuesday, November 28, 2006

Place: UW Waterfront Activities Center
Behind Husky Stadium off of Montlake Blvd

Time: 5:00—6:30 Firms Showcase
6:30—7:30 Italian Buffet dinner
7:30—9:00 Student Project Showcase

Menu: Galiano's Italian Buffet featuring Lasagna, Chicken Fettuccine, Meatballs, Salad, dinner rolls. One Beer/wine or non-alcoholic beverage included. Additional beverages by donation.

Cost: General admission: \$20.00
Students (with ID) Free, courtesy of DCI Engineers Inc.

Reservation deadline: 5:00 PM Friday, November 24th

Register Online at www.seaw.org

(Prepayment is appreciated, but not required.)

Reservations may also be made by email to seaw@seaw.org or by phoning 206-682-6026

FROM THE BOARD: What Does it Take?

Since Thanksgiving is just around the corner, I thought it appropriate to give our members some "food for thought" to complement the turkey dinners:

- Why did you join SEAW?
- What do you want to get out of your SEAW membership? (*We don't even have membership cards so there must be something else!*)
- Would you recommend to your non-member colleagues that they join SEAW?
- Do you delete e-mail from SEAW automatically?? (*Come on, I know some of you are out there...!*)

As I ask you these questions, I wonder about my own responses. Like many of you, I've been involved in the past, but until earlier this year, when I became your new Vice President, I'll admit I was largely uninvolved.

So what will it take to get YOU involved? How can we enlist YOU to become an active participant? As a board member, I've had the chance to see the great group of members who participate on the committees and spend a lot of time and effort serving the structural engineering profession. That has really impressed me. However, I have also noticed how many members do not take advantage of the professional activities and monthly meetings.

If you are one of the many who don't attend functions and dinner meetings, why not? Are they boring? Are they too expensive? Do you delete your e-mail so you don't even know about them? Are you too busy with soccer practice? (*And don't be afraid to answer honestly; soccer practice was always my excuse.*)

I can tell you, we are putting together some very

interesting dinner programs for the upcoming year – so "boring" isn't a valid excuse. See the SEAW calendar on the Web site for what's planned. We are also working to make the dinners more affordable for members. I can't help you with your e-mail or soccer conflicts...

What you should remember is that SEAW can play an important role in the development of younger engineers. If you are a member, which is likely if you are reading this, I encourage you to go out and recruit a few younger members. Let's invigorate this organization with new ideas and perspectives and take advantage of our membership.

A membership application is included in this newsletter on page 4 (we are making it easy for you!) so please, go make copies and get some new members signed up.



Drop us a line at seaw@seaw.org if you have any suggestions.

Have a great Thanksgiving with your families. I look forward to seeing you at many of our upcoming activities.

-Shelley Clark
sclark@mka.com

Shelley Clark is a Principal and 22-year employee at Magnusson Klemencic Associates, now leading MKA's Retail Group. Shelley has been a member of SEAW since 1987, serving as director in 1993-1995 and as current Seattle Chapter Vice President.

The SEAW Seattle Chapter *Equilibrium* is printed monthly from September through May and is available online at www.seaw.org. Circulation by mail: approximately 550 copies. Articles, letters, and announcements are accepted by e-mail to seaw@seaw.org.

Advertising rates (prepaid, please): Help Wanted/Job wanted, \$50; Display ads: Quarter page, \$90; Half Page, \$120; Full Page \$150; inserts, pre-printed 8 1/2 X 11 inch flat, \$150. 10% discount for ads running two or more months. Deadline is the fourth Friday of the month. Contact SEAW for an Advertising Order Form.

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Mark Your Calendar

Upcoming SEAW Events

- | | |
|---------------|---|
| Nov 16 | Building Committee Meeting
Earthquake Engineering Committee meeting |
| Nov 28 | YMF Dinner Meeting at the UW Waterfront Activity Center. Showcase of Student Projects including UW Concrete Canoe; UW Steel Bridge Team; SU Engineers Without Borders Nicaragua Project.

Prefunction: Structural Firm Showcase — Come meet and ask questions of representatives of many Seattle area structural firms. |
| Dec 14 | Seattle Chapter Board meeting |
| Dec 29 | Deadline for January <i>Equilibrium</i> |
| Dec 31 | Last day to pay 2006 dues to avoid cancellation
2007 Dues invoices e-mailed |
| Jan 23 | Seattle Chapter Dinner meeting and Selection of Nomination Committee. |
| Jan 26 | State Board Meeting and Deadline for February <i>Equilibrium</i> |

Company Spotlight: Coffman Engineers, Inc.

Coffman Engineers serves as both prime consultant and subconsultant on projects large and small, including commercial, retail, institutional, government, industrial, and project/construction management. Incorporated in 1979, Coffman has offices in Anchorage, Los Angeles, Seattle, and Spokane.

To meet client objectives and to integrate the company's many disciplines, the firm can create teams comprised of structural, mechanical, electrical, corrosion control, and civil engineers, as well as project/construction managers and professionals in a variety of specialty services.

Representative current structural projects include a 4-story, 240-foot by 630-foot structural steel parking garage, a 15,000-square-foot justice center/public safety building, a heavy timber barn and riding arena, a 110,000-square-foot retail center and restaurant, and ongoing seismic upgrades of existing and design of new Nordstrom stores across the country.

Coffman Engineers employees are active in the Seattle chapter of SEAW. Members include Canaan Bontadelli, Marvin Emerson, Dennis Firth, Brian Moll, Arvind Nerurkar, Emery Ojala, and Christi Schwend.

Steve Hawk, in the Spokane office, is currently the Statewide President.

Coffman Engineers, Inc.

1601 Fifth Avenue, Suite 900
Seattle, Washington 98101-1620
(206) 623-0717
www.coffman.com

Chad Green, P.E., SEAW Member since 2002, is our Company Spotlight Coordinator. If you would like to see your company in the spotlight, e-mail him at chad.s.green@gmail.com.

Projects

Sacred Heart Medical Center - Spokane, Washington



West Wing Addition - Women's Services & Surgery Center
Photo courtesy of Coffman Engineers

This project involved a 235,000-square-foot addition and 88,500-square-foot remodel to the existing hospital. The addition included 24 new operating suites, new central processing and sterilization department, new birthing center, neonatal intensive care unit (NICU), laboratories, and physician clinics. Structurally the building has been designed for three future floors beyond the eight being constructed. The structure is adjacent and connected to the existing hospital, which required modifications for new openings to the existing building. Additionally, a new steel framed floor was designed for the existing concrete building. This was an award winning project - *Northwest Construction 2004 Best of Awards for Outstanding Engineering Design Project.*

Nordstrom - Costa Mesa, California

This was a performance-based seismic retrofit of an existing four-story 350,000-square-foot retail building that was originally designed in accordance with the 1979 UBC and constructed in 1982. The building is framed with structural steel and utilizes steel moment frames that have outdated connections which were shown to be potentially deficient in the 1994 Northridge Earthquake. Coffman Engineers prepared a performance-versus-cost analysis for various types of upgrade methods. The most cost effective retrofit scheme was to add steel chevron braces and viscous dampers to the building. The viscous dampers are a specialized system that increases the performance of the lateral system by reducing the displacement demand on the existing moment frames.



Photo courtesy of Coffman Engineers

The project received a *2006 SEAOSC Excellence in Structural Engineering Honorable Mention, Best Use of New Technology in Retrofit/Alterations.*

Paschal Sherman Indian School - Omak, Washington



Photo courtesy of Coffman Engineers

This is a new design/build 67,943-square-foot two-story school facility. The design incorporates traditional tribal iconography with the latest energy-saving techniques. The school's centerpiece design is a circular glass-walled cultural

area featuring an inlaid map of the aboriginal territory of the 12 Confederated Tribes and a helical salmon sculpture that casts a shadow on a solar calendar. The roof over the classroom wings consists of sloping open-web steel joists with top-chord extensions. This roof structure creates a variety of overhanging conditions for the saw-tooth eave lines and shading elements that were required for the project. The most challenging structural portion of the project was the Cultural Center, with its sloping log-wrapped tube-steel columns arranged in a circular fashion to support a system of stacked 27-inch-deep wide-flange roof beams cantilevering in two directions as much as 24 feet. This project received a *2006 AIA Spokane Design Citation Award.*

Meeting Recaps

October Seattle Chapter Dinner Meeting – Making Your Team Win!

Robert Tindall, AIA, President of Callison Architecture gave a presentation on how to make your next design team better and more efficient at the October SEAW Seattle Chapter Dinner Meeting on October 23, 2006.

Tindall began the presentation with some good engineer jokes and it just got better from there. He discussed his resume and how he gained his insight into working with large teams on

projects. One thing that shaped his philosophy was his frustration with the waste going on within the industry.

After many years of working with owners, contractors and engineers, he came up with five keys to success.

1. Provide the best product—including schedule and budget.
2. Understand the client's expectation.

3. Bring a win/win attitude to the table.
4. Use appropriate communication.
5. Know who you're working for.

The last two points were highly emphasized. Tindall emphasized that it's not only important to communicate, but to use *appropriate* communication. He gave emails as an example of a misused form of communication and suggested that emails be sent through one person at a firm so that only people with au-

thority to make decisions be able to email the entire group, thus limiting the quantity of emails sent. And he said that knowing who you are working for and their previous project experience will help in meeting their expectations and completing the project on schedule and budget. For example, with a first time client, you may have to explain each decision along the way so that he/she is comfortable with it,

Continued on page 10

Invite Someone to Join SEAW!

SEAW encourages membership application by anyone interested in pursuing the interests of the organization. Prospective members are welcome at our monthly meetings where they may sample the content and quality of our organization. SEAW is made up of the following membership categories:

- **MEMBER:** Registered structural engineer in the State of Washington, and regularly engaged in the practice at the time of application.
- **Professional Associate:** Registered professional engineer or architect licensed to practice in the State of Washington.

- **Associate:** Graduate of an approved engineering school or college with less than 10 years' combined education and experience.

- **Affiliate:** Individual engaged in a profession which cooperates with structural engineers in the advancement of professional knowledge, practice and welfare. Includes those licensed in states other than Washington or unlicensed with over 10 years combined education/experience.

QUESTIONS? Contact the SEAW office at seaw@seaw.org or phone our message service at 206/682-6026.

SEAW MEMBERSHIP APPLICATION

Application requires sponsoring signatures of three current SEAW members, at least one of whom has MEMBER status.

Please mark the chapter and membership category to which you wish to apply and mail your application with a check for **INITIATION FEES ONLY** (you will be invoiced for dues upon acceptance) to:

SEAW • PO Box 44 • Olympia WA 98507

CHAPTER (circle one) →		Seattle	Southwest	Spokane	SouthCentral
	MEMBERSHIP CATEGORY	Initiation fee	Annual Dues (reduced by 1/2 after July 1)		
<input type="checkbox"/>	MEMBER	\$15	\$140.00	\$95.00	\$95.00
<input type="checkbox"/>	Prof. Associate	\$15	\$120.00	\$90.00	\$85.00
<input type="checkbox"/>	Associate	\$5	\$90.00	\$80.00	\$67.50
<input type="checkbox"/>	Affiliate	\$15	\$140.00	\$95.00	\$95.00
<input type="checkbox"/>	Student	\$5	\$20.00	\$10.00	\$10.00

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News of Note

Coffman Engineers Project Garners Awards

The Structural Engineers Association of California (SEAOC) presented an award to Coffman Engineers for the Los Angeles Regional Transportation Management Center (LARTMC) Seismic Isolation Design project as part of their "Excellence in Engineering" awards program for 2006.

It was the only award in the category of New Technologies in New Construction. The National Council of Structural Engineers Associations ran a nationwide contest for its annual project excellence program. Once again the LARTMC was awarded an "Excellent Merit" award. There were three awardees in each category.

The LARTMC is a new five-story 70,000 square-foot high-tech communications and emergency operations center for the Los Angeles area. Coffman was responsible for the protective technologies



Photo courtesy of Coffman Engineers

for this high performance essential services facility that aim to keep it undamaged and operational after a major earthquake.

Coffman designed the seismic isolation/damping and lateral force resisting system for this critical regional facility.

Participate in the SE Practice Act Forum

It's been nearly a year since the first draft of the Structural Engineer Practice Act (Bill Req. #: S-3599) was introduced to members of SEAW, WABO, ASCE, AIA and other related organizations. Since then, comments, concerns and questions from the membership at large have been considered and the document has undergone a number of revisions. You'll find the latest version on the SEAW website, and an opportunity to weigh in on the current draft using the new SEAW Member Forum. (REMINDER! First-time login is your email address; the password is your first name.) This is the first topic to be introduced in our new forum system - let's put this service to use!

Meetings, Seminars

The Fundamentals of Trenchless Design

Date: Friday, December 15, 2006

Time: 8:00 am to 5:00 pm

Location: Sheraton Bellevue Hotel, Bellevue, Washington

The NW Chapter of the North American Society for Trenchless Technology (NASTT) is pleased to announce their first Seattle Trenchless Technology Symposium. This symposium focuses on the fundamentals of engineering design for trenchless technology, including horizontal directional drilling (HDD) and microtunneling. This one-day symposium consists of presentations on geotechnical and geophysical investigations, the proper use of drilling mud, contractual lessons learned from the Owner's perspective, decision making for trenchless projects, permitting for trenchless projects, and HDD and microtunneling case studies. Speakers are experts in the field and include engineers, owners, and contractors who will discuss

trenchless projects in the Pacific Northwest and beyond. To obtain more information, please contact Tina Davenport at tina.davenport@bennett-staheli.com or 206-633-0213.

Nominations open for EERI's Shah Family Innovation Prize

The Earthquake Engineering Research Institute seeks nominations for the Shah Family Innovation Prize, which rewards young professionals and academics (less than 35 years of age) for creativity, innovation, and entrepreneurial spirit in the field of earthquake risk mitigation and management. The prize was created with a substantial gift to the EERI Endowment Fund by the Hareh Shah family of Stanford, California. The cash prize honors individuals who have demonstrated at early stages in their careers the potential to make major contributions to the field. Past accomplishments will

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Meetings, Seminars, Announcements

Upcoming COSMOS 2006 Technical Session Focuses on Evaluating Various Methods for Selecting and Scaling Ground Motions

November 17, 2006

Doubletree Hotel in Berkeley, California

The Consortium of Organization for Strong Motion Observation Systems (COSMOS) will be holding its Annual Meeting and Technical Session at the Doubletree Hotel in Berkeley, California on Friday, November 17th. The day long technical session which begins at 10 am will focus on "An Evaluation of Methods for Selecting and Scaling of Ground Motions Time Histories for Code and PBEE Applications." The Technical Session is being co-sponsored by the Pacific Earthquake Engineering Research Center (PEER).

The session program builds upon last year's program where the current procedures found in building codes and seismic guidelines were discussed. This year's technical session will focus on objectively evaluating various building code procedures and the most current performance-based earthquake engineering procedures. The goal of the session is to identify subjective issues in the current procedures and modify the procedures to be more objective. The result will hopefully eliminate variation between ground motion providers. The technical session will include presentations by Norm Abrahamson, Charles Kircher, Andrew Whittaker, Nicolas Luco and Jack Baker. It will also include an evaluation of the various procedures performed by the PEER Ground Motion and Scaling Working Group which utilized them in evaluating the nonlinear response of building models. Working group presentations will be made by Yousef Bozorgina, Curt Haselton and Jennie Watson-Lamprey. Procedures found in current

building codes and those being developed for the ATC-58 and ATC-63 projects will be discussed and objectively evaluated. The presenters will also serve on a panel that will discuss (along with session participants) concerns and issues with the current procedures and suggestions for their improvements in futures codes and guidelines.

Early registration fees are \$80 for COMOS members and \$120 for nonmembers. After Oct 15th fees are \$100 for COSMOS members and \$140 for nonmembers. Registration includes lunch and refreshments. There is also a special reduced student rate. For complete program and registration details for the COSMOS Annual Meeting and Technical Session, visit the COSMOS website at www.cosmos-eq.org.

SEAW SW Chapter Trade Show

Mark your calendars!! The 11th Annual SEAW SW Chapter Tradeshow is being held on Tuesday, February 13th, 2007 at the Tacoma Dome Exhibition Hall. If there are vendors you would like to see at the show, please send an email to ryan.mclaughlin@seawtradeshow.com or seawswchapter@comcast.net

For more information, check the Trade Show web site at www.seawtradeshow.com

ACI/PCI One-Day Seminar: The Design and Construction of Concrete Parking Structures

November 16, 2006

Embassy Suites Hotel Seattle-Tacoma Int'l Airport
15920 W. Valley Hwy.
Seattle, WA 98188

Design and Build to Last. Learn the differences between designing and constructing parking structures and other types of buildings and structures, and how to select the

best structural system for your project. Seminar designed for Designers, material suppliers, contractors, building owners, and maintenance personnel.

Registrants will receive FREE Publications valued at \$140.

For information and registration, visit www.concreteseminars.com or phone ACI Member Services: 248-848-3815

Third ATC-35/USGS National Earthquake Ground-Motion Mapping Workshop

San Mateo, California

December 7-8, 2006

This workshop will provide input from the structural engineering, geotechnical engineering, geosciences, and risk modeling professions to the USGS on key issues that affect the preparation and use of the next

round of national earthquake ground motion maps in model seismic regulations and actual seismic codes governing the design of buildings, bridges, and other structures. Sponsored by the Applied Technology Council and the US Geological Survey.

For complete information, visit www.atccouncil.org

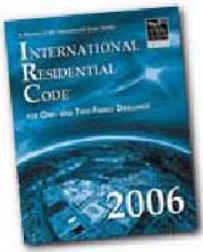
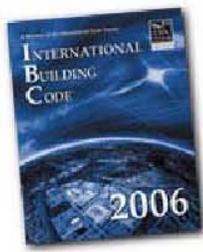
NEES/UCSD Seminar on Analytical Modeling of Reinforced Concrete Walls for Earthquake Resistance

Saturday, December 16, 9:00 am to 5:00 pm, Atkinson Hall Main Auditorium- Room 1511 of the Calit 2 Building, UC San Diego. Sponsored by UCSD, NEES and the National Science Foundation. Information regarding seminar details/registration may be found at <http://nees.ucsd.edu/7StoryNew.html>



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Naval Hospital Bremerton Seismic Upgrades



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Career Opportunities for Structural Engineers

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NWDD is a friendly work environment utilizing a progressive, participative management style. We're looking for people who value their integrity and will help us create a fun, productive, successful company. A BSCE with structural emphasis, or equivalent work experience, is required. NWDD is located in

the beautiful Skagit Valley, about an hour north of Seattle, Washington. Nestled between the Cascade Mountains and the Puget Sound, Burlington offers a more relaxed pace of life, with easy access to cities and an abundance of recreational delights. For more information, contact hr@nwdd.com.

Structural Engineer

Mid-sized, employee-owned firm with multiple locations has immediate opening for a licensed structural engineer in 20 person office in Kalispell, MT. This is a new position. Work would include public works, health care, commercial, residential, industrial and bridges. Competitive salary, health insurance, ESOP and 401(k), annual cash bonuses, wonderful work environment and fantastic outdoor opportunities.

Please send resume and letter of interest in confidence to:

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QUANTUM | CONSULTING ENGINEERS

STRUCTURAL ENGINEERS WANTED

Quantum Consulting Engineers, a downtown Seattle structural engineering firm, is seeking project engineers to design structures in concrete, steel, masonry, and wood. Successful candidates must be able to prepare structural calculations and construction drawings for commercial, residential, industrial, and public-building projects. Experience in structural detailing, seismic design, and evaluation of existing structures is a plus. Applicants must hold a B.S. in engineering and have up to 10 years' experience. A P.E. license is preferred but not required.

Quantum Consulting Engineers is a dynamic and growing firm with a strong client base and a commitment to client service. We offer a friendly and supportive work environment with opportunities for personal growth and advancement. We provide superior wages and a comprehensive benefits package, including health insurance, a retirement plan, transportation benefits, and funds for professional licensing and seminars.

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Send resumes to HR@quantumce.com or:

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Opportunities

HELP WANTED ADS are accepted through the fourth Friday preceding the publication month. The cost for text ads is \$50 per insertion **pre-paid**, with a 10% discount for ads running two or more consecutive months. Ad copy should be limited to 180 words or less and must be submitted by e-mail. Advertising order forms and information about display advertising, can be requested by e-mailing seaw@seaw.org.

Help wanted ads must be purchased through the newsletter to be included in the SEAW online job board.

Staff Engineers



Structural Engineering design firm seeks outstanding individuals to fill immediate openings for Staff Engineers in both our Seattle and Tacoma offices. All experience levels considered and encouraged. We're a mid-size dynamic company recognized for our team work, creativity and innovation. We combine a very progressive benefits package with a fun, flexible and informal office culture. Email resume to bbresko@swensonsayfaget.com or fax attention Blaze Bresko at 206-443-4870. No phone calls please.

Structural Engineer

rfa structural engineers is seeking a structural engineer with at least three years of design experience to join our team in Seattle. We are a dynamic family friendly firm run by one of Seattle's top professional engineers Robert J. Fossatti.

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Fax your resume for immediate consideration to (206) 615-7737, or email to mlacasse@rfaengineers.com

To learn more about rfa structural engineers, visit our website at www.rfaengineers.com

Nominations, from page 6

be evaluated in terms of whether they demonstrate social relevance, an intellectual contribution, and viability. Individuals in government, private firms, academia, and the international community are encouraged to nominate eligible candidates. The prize will be awarded in February 2007 during the EERI Annual Meeting in Los Angeles. The deadline for nominations is November 30, 2006. For information about the nomination process and past recipients, visit http://www.eeri.org/home/honors_shah_innovation.html

Dinner Meeting, from page 3

whereas a veteran will need less explanation. He also emphasized that engineers are hired for the specific expertise, so that when meeting with the owner, engineers should bring that expertise to the table. They should not hesitate to give the owner and architect their opinion on decisions that the owner is trying to make.

Tindall also went on to discuss Callison Architecture's firm values and how those have contributed to project successes. He finished the evening with overviews of some interesting projects that they are doing overseas, particularly in the Middle East. These projects are on the cutting edge of engineering and design and were very interesting to see.

Karen Damianick, PE is a structural engineer with KLD Engineering in Seattle, WA. She has been an SEAW professional associate member for over three years and is currently serving on the newsletter committee. Karen may be contacted at kld@kldengineering.com



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Structural Engineer III - Requisition #14-30-06-211

Responsibilities: Assist with detailed structural engineering on design projects for new and existing water and wastewater treatment systems, as well as other types of structures under the supervision of a registered professional engineer. Support project design teams and other engineers in development of specifications, detailed drawings, reports and plans.

Qualifications: BS degree in engineering (civil with structural emphasis) and a minimum of two years of experience with industrial structures is preferred. Master Degree in structural engineering is desirable. Prefer co-op program engineering experience in the design of water bearing and industrial structures with a consulting engineering firm or a public entity.

We offer a competitive salary, benefits and 401(k). For more details visit us at www.browncaldwell.com. Please reference position/requisition number in cover letter and e-mail mthullen@brwncald.com. We value workforce diversity. EOE/AA.



STRUCTURAL ENGINEERS ASSOCIATION of WASHINGTON • Seattle Chapter

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SEAW SCHOLARSHIP

Each fall, announcements of the SEAW Scholarship program are distributed to Engineering schools in the Western United States. Applicants must be U.S. citizens and residents of Washington State; a senior or higher ranking undergraduate, or a graduate student enrolled in a program of study majoring in Structural Engineering; and having a commitment to making a career in the practice of structural engineering.

Scholarship application materials are posted on the web at www.seaw.org, and can be obtained by e-mail: seaw@seaw.org or by phoning 206/682-6026.

Are Your 2006 Dues Paid?

Better check! Reminder notices were mailed in late October. Any members still unpaid at the end of the year will be dropped from SEAW membership, and will be required to pay a reinstatement fee to re-activate their membership.

Membership

APPLICATIONS FOR MEMBERSHIP

Alan Findlay
Reid Middleton Inc
BSCE '94, MSCE '99, University of Washington
Licensed PE, Washington
Class: Professional Associate

Michael M. Fitz
MDE Inc
BSME, 1978, University of Washington
Licensed PE, WA
Class: Professional Associate

APPLICATIONS ACCEPTED

Kenny Soldano, Associate
Michelle Main, Associate
Kelsey Miner, Associate