



# EQUILIBRIUM

Newsletter of the Seattle Chapter  
Structural Engineers Association of Washington

DECEMBER 2006

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## Coming January 23rd:

### 3-D Building Information Modeling (BIM)

What is BIM and how is it going to change your design practice?

Join us for a lively discussion with our panel:

David Yuan, AIA, NBBJ  
Jon Magnusson, MKA  
Chuck Mies, Assoc AIA, Autodesk

## Happy Holidays



from **SEAW**

## Mark Your Calendar

Dec 22	Deadline for January <i>Equilibrium</i>
Dec 31	Last day to pay 2006 dues to avoid cancellation
January	2007 Dues invoices e-mailed
Jan 23	Chapter Board Meeting Seattle Chapter Dinner meeting: <b>What is BIM and How Will It Impact Structural Design?</b> <b>Vote on Proposed change to State Bylaws</b> Selection of Board Nominating Committee
Jan 26	State Board Meeting Deadline for February <i>Equilibrium</i>
Jan 26-27	NCSEA Winter Institute—New Orleans <a href="http://www.ncsea.com">www.ncsea.com</a>
Feb 18-24	<b>National Engineers Week</b> <a href="http://www.eweek.org">www.eweek.org</a>
Feb 28	Chapter Board Meeting Seattle Chapter Dinner meeting: <b>Renovation of Tacoma's Historic Stadium High School</b> —Joint meeting with ACI

## FROM THE BOARD: Upcoming Plans

Now that we have recovered from the tryptophan torpor of Thanksgiving, it is time to gather our thoughts and concentrate on the upcoming year's plans. As I squint at the horizon of upcoming issues, I foresee the following: 2006 IBC; disproportionate collapse; and building information modeling (BIM), as some of our future endeavors.

### 2006 IBC

-Our Earthquake and Building Engineering Committees were busy at the recent September International Code Council (ICC) public hearings in Orlando, Florida. Working in conjunction with the National Council, seven of the committees' proposals were adopted as-is or with minor amendments. Good work to all who participated. See Ed Huston's article in the November issue of *Structure* magazine for a more complete summary.

-The 2006 IBC is scheduled for adoption by the State of Washington July, 2007.

-The traveling seminars are beginning to make the rounds. I am told by insiders that the new IBC and ASCE 7-05 are "infinitely better". Let's hope so.

-The November issue of *Structural Engineer* magazine has an article on the '06 significant structural changes (Chapter 16).

-SEAW is tentatively planning a seminar in September in conjunction with Structural Engineers Association (SEA) Northwest Conference in downtown Seattle. Mark your calendars.

### Disproportionate Collapse

-Incorporating a higher degree of stability or resistance to disproportionate collapse seems rather controversial, gathering both enthusiasts and pessimists.

-The American Institute of Steel Construction (AISC) & the Pacific NW Steel Fabricators recently hosted a very interesting November breakfast meeting on the subject presented by the 2006 T.R. Higgins Lectureship award winner, Ronald Hamburger, region head of Simpson, Gumpertz, and Heger.

-In addition to the status of proposed IBC code additions on this subject there is an article in the November issue of *Structure* magazine about an advantageous framing layout to achieve resistance to progressive collapse. Increasingly, this issue of disproportionate collapse is looking like something we may be expected to design and analyze in the future.

### Building Information Modeling

The Program Committee is planning January's dinner meeting presentation to be on Building Information Modeling (BIM). This new emerging technology offers an opportunity to transform the way a structural engineer communicates and works with the Design Team and the Contractor. Some think this evolution to BIM will be more dramatic and faster than the transition from the "pin bar" to CAD, or the slide rule to the calculator. See the August issue on *Structural Engineer* magazine for more information. Come to next month's dinner meeting prepared to find out the "who, what, why and how" for this fascinating glimpse into the future.

Congratulations to SEAW member Chun Lau for his appointment to the Washington State Board of Registration for Professional Engineers. SEAW is glad to know that Chun's expertise will enrich the Board.

I have to say something about the November Dinner meeting at the UW with students from the UW & SU. It was an impressive and energizing evening listening to the students present on the Concrete Canoe



& Steel Bridge Competitions and the "Engineers without Borders" project in Thailand. All this work was done outside the classroom! Where do these guys get so much energy to work so hard, and have so much fun at the same time?

The New Year will be an opportunity for SEAW members to re-energize and make a resolution" to rejoin one of our committees and/or make a reservation to attend a dinner meeting. And who knows, we might just learn something and have fun at the same time, too. Happy Holidays to all and see you next year.

-Peter Hart  
pjhart@ctengineering.com

*Peter Hart is past President of the SEAW Seattle Chapter. He is an Associate with CT Engineering with over 25 years of structural engineering experience.*

The SEAW Seattle Chapter *Equilibrium* is printed monthly from September through May and is available online at [www.seaw.org](http://www.seaw.org). Circulation by mail: approximately 550 copies. Articles, letters, and announcements are accepted by e-mail to [seaw@seaw.org](mailto: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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## Seattle Chapter Membership Postings

### Applications

**Bryan Sean Baldwin**

DCI Engineers Inc  
BSCE 2005, UW  
Class: Associate

**Jeff Baerwald**

Magnusson Klemencic  
BSE '96 Duke U  
MSCE '97 UC Berkeley  
Licensed SE, WA  
Class: MEMBER

**Roi Chang**

DCI Engineers Inc  
BS '03 UC Berkeley  
MS '05 U of Illinois  
Class: Associate

**Mariya Chorbova**

DCI Engineers Inc  
MS Sofia, Bulgaria  
Class: Associate

**Adam S. Christopolus**

DCI Engineers, Inc  
BS '03 U of Utah

MS '05 UW

Class: Associate

**Peter Hewko**

DCI Engineers, Inc  
BSCE '01 U of Alaska  
MSCE '05 U of Alaska  
Class: Associate

**Megan Jacks**

DCI Engineers Inc  
BS '06 UC San Diego  
Class: Associate

**Robyn Lee**

DCI Engineers Inc  
BSCE '06 WSU  
Class: Associate

**Becky Lee**

DCI Engineers Inc  
BSE '99 U of Michigan  
MSE '00, Stanford  
Class: Associate

**Sze-Lyn Lim**

Swenson Say Faget  
BSCE '04 Texas Tech

MA Arch '05 Texas Tech  
Class: Associate

**Patrick D Lindblom**

DCI Engineers  
BSME '01 UW  
MSCE '07 U of Wyoming  
Class: Associate

**Robert E Mantz**

Beyaz & Patel Inc  
'75 Penn State  
Licensed PE, WA  
Class: Prof. Associate

**Brent Meacham**

DCI Engineers Inc  
BSCE '05 Walla Walla  
Class: Associate

**Ryan Morgan**

Coffman Engineers  
BSCE '05 U of Illinois  
Class: Associate

**Matthew D. Olsen**

DCI Engineers Inc  
BS '03 U of Wyoming

MS '05 U of Wyoming  
Class: Associate

**Jared A Plank**

Magnusson Klemencic  
BSCE 04 Brigham Young  
Class: Associate

**Katrina Reed**

DCI Engineers Inc  
BSAE '06 U of Wyoming  
Class: Associate

**Shawn Roberge**

Coffman Engineers Inc  
BS '06 UW  
Class: Associate

**Fabio Rosas**

DCI Engineers Inc  
BS 90/03 U of Pittsburgh  
MS '06 U of Washington  
Class: Associate

**Daniel Yeager**

DCI Engineers Inc  
BSAE '05 U of Wyoming  
Class: Associate

**Keith Walsh**

DCI Engineers  
BS ARCE Cal Poly  
San Luis Obispo  
Class: Associate

**Kevin Wang**

Magnusson Klemencic  
BS '05 UW  
MS '06 Stanford  
Class: Associate

### Applications Accepted

**Alan Findley**

Professional Associate

**Michael Fitz**

Professional Associate

**Ignasius Selie**

MEMBER

**Joshua Welch**

Associate

# Company Spotlight: The Euclid Chemical Company

In January of 2006, **The Euclid Chemical Company** purchased Tamms Industries and welcomed it into the Euclid family. Like Euclid, Tamms Industries had been in the business for nearly a century, steadily expanding through organic growth and strategic acquisitions. The joining of Tamms Industries trusted brand names with Euclid's industry-leading service has provided an excellent opportunity for our enhanced organization to meet the diverse product and service needs of the rapidly changing concrete and masonry construction markets. Together we offer almost 200 years of experience in manufacturing and product support, which is unique in today's ever-changing business environment.

Because The Euclid Chemical Company with the Tamms brand products can be a single-source supplier of concrete restoration and protective products, a systems approach has been developed for all major projects. The key to a permanent repair is to first determine the cause of the damage, then repair the damage using the right repair material and methods, and finally to protect the repaired structure from future deterioration. Tamms brand system recommendations are designed to be compatible with the structure, with the prevailing environment, and as an integrated product system. These product systems in combination with our well-trained technical sales force assures the engineer, contractor, and owner that a long lasting, permanent repair will be achieved.

David Dillon is the Seattle-area representative for The Euclid Chemical Company and the Tamms brand products.

## The Euclid Chemical Company

(425) 338-4958

[www.euclidchemical.com](http://www.euclidchemical.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](mailto:chad.s.green@gmail.com).*

## Projects

### The John Ross Project - Portland, Oregon

The contractor for this project was Hoffman Construction Company. Speed Crete PM was used for structural concrete column repairs.



*Photo courtesy of  
The Euclid Chemical Company*

### Canada Line Rapid Transit, Fraser River North Arm Bridge - Vancouver, British Columbia



The contractor for this project was RSL Joint Venture. Dural 100 was used as a Type IV bonding agent for this precast segmental box girder bridge.

*Photo courtesy of  
The Euclid Chemical Company*

### I-84 Perry Creek Bridge - LaGrande, Oregon

The contractor for this project was the Oregon Department of Transportation. Dural 50 was used as an ultra low viscosity low modulus epoxy, and was applied to all concrete surfaces in order to seal cracks and heal the surface of the concrete.



*Photo courtesy of  
The Euclid Chemical Company*

## News of Note

### Exeltech Consulting, Inc. Acquires Seena Consulting Engineers, LLC.

Exeltech Consulting, Inc. has acquired Seena Consulting Engineers, a Seattle-based structural engineering firm. The merger took effect the first week of November 2006. This acquisition will strengthen Exeltech's 13-person Seattle office with the addition of Seena principal, Abdul Chahim, PE, SE.

In his new role, Abdul will serve as Exeltech's Director of Buildings and Facilities. Abdul has been an active member of the Seattle/Tacoma consultant community for over 15 years. His work includes the award-winning Tacoma Dome Station transit center, Federal Way's new Community Center, various mid- to high-profile projects for the U.S. Navy and the U.S. Coast Guard, and several on-call awards for the Port of Seattle. The addition of

Seena's resources to the Exeltech team will enhance its position as structural, civil and environmental leaders in the Seattle market for facility, transportation, and public sector projects.

"We are pleased to add Seena to our team since it not only adds to our internal resources, but offers our clients the depth of expertise and project management that they have come to rely on in our other offices," Santosh Kuruvilla, President of Exeltech, announced at an annual company retreat held recently.

Exeltech Consulting, Inc., established in 1987, has evolved from a purely structural engineering firm to a full-service firm providing not only structural design, but also site-civil engineer-

ing, facility design and upgrades, roadway design, environmental consulting and all phases of transportation design and construction. Our technical engineering expertise and efficiency ensures value for dollars expended on every task we perform. Our staff of 43 operates from three regional offices located in Lacey and Seattle, Washington and Salem, Oregon. In addition to these three offices, we maintain two field offices in Eddyville, Oregon and Port Angeles, Washington to provide the most responsive service to our clients during construction of two large design-build efforts.

For more information regarding this dynamic, growing firm, visit [www.xltech.com](http://www.xltech.com)

### EERI Video Downloads Available

EERI is pleased to announce the availability of video downloads of live presentations from the important 2006 seminar, "New Information on the Seismic Performance of Existing Concrete Buildings." Developed by the Pacific Earthquake Engineering Research (PEER) Center and funded by FEMA, they are intended for practicing design professionals and cover the following: Current Assessment Approaches (J. Moehle of UC Berkeley); Performance Assessment through Nonlinear Time History Analysis (G. Deierlein, Stanford); Behavior and Modeling of Existing RC Columns (K. Elwood, UBC); Beam-Column Connections (Moehle); Slab-Column Frames, Slender Wall Behavior and Modeling, and Lightly-Reinforced Wall Segments (J. Wallace, UCLA); and System Performance Assessment (Deierlein). These videos provide information on new procedures that effectively address problems of concrete buildings that can result in damage and potential for collapse. These procedures are based on the latest research at PEER on performance-based earthquake engineering. As a practicing design professional, you will gain valuable information that you can use today. Their cost is \$25 per presentation for EERI members; \$45 per presentation for nonmembers. All orders include a bonus presentation: an historical overview by Professor Moehle. To order online, visit [http://www.eeri.org/cds\\_publications/catalog/](http://www.eeri.org/cds_publications/catalog/). These videos are listed under "New Products."



## Meetings, Seminars

### ASCE Seattle Section Geotechnical Group

#### 24<sup>th</sup> Annual Spring Seminar

April 21, 2007

University of Washington

The Geotechnical Group of the ASCE Seattle Section is pleased to announce its 24<sup>th</sup> Annual Spring Seminar. A one-day symposium will be held at the UW to honor Dr. Robert D. Holtz, on Saturday April 21, 2007 at the University of Washington. Well-known for his research, educational, and professional achievements, Bob Holtz is also an esteemed member of our engineering community. The symposium will feature some of Bob's mentors, colleagues and former students speaking on a range of topics.

Scheduled speakers include Bob's mentors Clyde Baker (STS Consultants, Ltd.), Mike Jami-

olkowski (Technical University of Torino) and Ray Krizek (Northwestern University), who was Bob's Ph.D. advisor. Bob's long-time colleagues Milton Harr (Purdue University), Barry Christopher (Christopher Consultants) and Steve Kramer (University of Washington) are also scheduled to speak. Presentations by some of Bob's many former students, including Dana Humphrey (University of Maine) and An-Bin Huang (National Chiao Tung University), will round out the day.

The range of topics, the experience and stature of the speakers and the opportunity to honor Dr. Holtz's achievements are certain to make this symposium of interest to current students, recent graduates, and experienced engineering and construction professionals alike.

Registration information will be available at [http://](http://www.seattlegeotech.org)

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

For further information contact: AH (Tony) Rice c/o Golder Associates Inc. 425/883-0777 ext 2104, or email: [trice@golder.com](mailto:trice@golder.com)

### NCSEA 2007 Winter Institute

January 26-27, 2007

Omni Hotel - New Orleans, Louisiana

A two-day seminar featuring lessons learned from Hurricanes Katrina, Ivan, Rita and others. Even if you do not design buildings in the coastal areas of the United States, you will gain valuable information from this seminar that can be applied to your structures. Included in the program Friday is a tour of the damaged areas of New Orleans. For more information and registration, visit: [www.ncsea.com](http://www.ncsea.com)

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University of Alaska Anchorage Library



Naval Hospital Bremerton Seismic Upgrades



U.S. Navy PSNS Parking Garage



SeaTac Airport Seismic Improvements Program

## Career Opportunities for Structural Engineers

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Imagine living only minutes away from your office and not having to spend hours per day away from your family commuting to Seattle or Bellevue for work.

Reid Middleton is an employee-owned and -focused structural and civil engineering firm with a 53-year history of design excellence. Our north-end location offers an easier, more convenient and affordable life-style poised within one of the country's most dynamic consulting engineering markets.

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If this sounds interesting to you and you have a BSCE or MSCE we would like to help you build your career within our diverse and dynamic firm. PE preferred for candidates with five or more years experience. Send your resume to [jobs@reidmiddleton.com](mailto:jobs@reidmiddleton.com)

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EOE

# Opportunities

## 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](mailto:bbresko@swensonsayfaget.com) or fax attention Blaze Bresko at 206-443-4870. No phone calls please.

## Structural Engineers

swenson say fagét 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.

Our office is located in downtown Seattle. We have a relaxed work environment that has "First Friday's", where everyone is invited to dine together at one of Seattle's many spectacular restaurants.

We offer an outstanding compensation and benefits package that includes medical, dental, vision, disability and life insurance. We also pay for 90% of your spouse and dependents insurance premiums, without a waiting period!

You will also be eligible right away for the company quarterly bonus program!

You will work directly with some of Seattle's best architect's working on a broad range of projects that include both commercial and residential buildings.

## Structural Engineers



King County

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METRO TRANSIT DIVISION

DESIGN & CONSTRUCTION SECTION

Annual Salary Range:  
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Job Announcement No:  
06AB6441

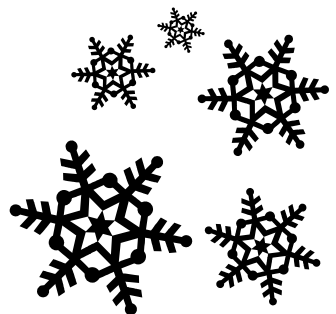
CLOSES: 12/20/06

This position is responsible for preparing structural engineering designs, specifications and cost estimates for transit capital projects. A Bachelor of Science degree in civil engineering, an Engineer-in-Training certifi-

cate, and two years of experience as a civil engineer are required.

For a complete description of duties, qualifications, and instructions on how to apply, see Job No. 06AB6441 on our web site at <http://www.metrokc.gov/jobs> or call (206) 684-1179.

King County is an equal opportunity employer. Job announcements are available in alternative formats for persons with disabilities. 1-800-833-6388 TTY.



### STRUCTURAL ENGINEERING: From Vision to Reality

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[HR@quantumce.com](mailto:HR@quantumce.com)

Quantum Consulting Engineers  
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tel 206-957-3900 · fax 206-957-3901

## INTEGRUS ARCHITECTURE

INTEGRUS Architecture is committed to maximizing employee opportunities in a stimulating and energetic atmosphere. We strive to make a lasting impact on the communities we serve, maintaining the highest standard of integrity. If you value these ideals, consider a career with us. Current openings include:

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Spokane:  
Structural Project Engineer

Please send letter of interest and resume to:  
[jcuddy@integrus.net](mailto:jcuddy@integrus.net)

1426 Alaskan Way • Seattle  
206.628.3137

10 S. Cedar • Spokane  
509.838.8681

# Opportunities

## Structural Engineers

Peter A. Opsahl Structural Engineering is a young, dynamic and growing Seattle firm. We are located in the Capitol Hill area and are currently looking for Structural Engineers with 2 to 5 years of experience. A competitive salary and benefits package is offered. We have a flexible and relaxed work environment and our projects cover all material types. Please email [admin@paostructural.com](mailto:admin@paostructural.com) with letters of interest and resumes.

## Structural Engineer

### Looking for a Structural Engineer who appreciates the finer things in life.

Northwest Datum & Design is looking for a Structural Engineer. NWD is a small, growing civil/structural and land surveying company which has served the Burlington, WA, area for the past 15 years.

NWD is a friendly work environment utilizing a progressive, participative management style. We're looking for people who value their integrity and want to help create a fun, productive, successful company. The position requires a BSCE with a structural emphasis, or equivalent experience; a P.E. license; and five years' experience of successful, independent completion of structural engineering projects.

NWD 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. We offer competitive salary and benefits, great co-workers, and more. For more information, contact [hr@nwdd.com](mailto:hr@nwdd.com).

## Staff Engineer



Seattle Structural PS Inc is a downtown Seattle firm looking for engineering candidates at all experience levels. Share in our vision of client-based service and hard working enthusiasm on diverse and challenging projects in the US and overseas. Join our collaborative staff of 10 in one of Seattle's most vibrant office towers, specializing in public, commercial, retail, industrial and specialty projects. We offer excellent benefits and stimulating work in a casual environment. Visit our website at [www.SeattleStructural.com](http://www.SeattleStructural.com)

Send resumes to: Pete Pawlak, PE, 1420 Fifth Avenue, Suite 425, Seattle, WA 98101.

206-343-3000 phone, 206-343-3013 fax. [PPawlak@SeattleStructural.com](mailto:PPawlak@SeattleStructural.com)

## Structural Engineers

### INCA seeks staff for its expanding structural group!

With a reputation for engineering excellence in the design of flood control, locks, and dam structures, INCA is looking for talented structural engineers. You will work with the premier engineering firm and establish a career path. Join our innovative and exceptional team!

INCA Engineers, Inc. has openings in its Bellevue, WA office for mid-level structural engineers, with 3 to 8 years experience in analysis and design of concrete and steel structures. MS in Structural Engineering is preferred; EIT and experience with bridge and marine structures is desirable.

INCA, founded in 1983, is a medium-sized company of professionals and support staff who emphasize innovation and design excellence. Structural projects include bridges, retaining walls, transit centers, navigation locks, dams, fish bypass structures, and hydro-power plants. Project locations have ranged from the Puget Sound region to New Orleans, and to Mexico, Puerto Rico, the Panama Canal, and the Philippines. Additional details can be found at [www.incainc.com](http://www.incainc.com).

INCA offers competitive compensation packages, an opportunity for company ownership participation, and diverse, interesting project work. Please send resumes to [jobs@incainc.com](mailto:jobs@incainc.com) or to the following address: INCA Engineers, Inc., ATTN: SEAW, 400 112th Avenue NE, Suite 400, Bellevue, WA 98004.



## City of Seattle

### Structural Plans Engineer Journey or Senior

\$5,112 to \$5,968/month salary range

#### Position Duties

Unique opportunity with the City of Seattle for a structural engineering professional to be part of the City of Seattle's future. Review construction plans for compliance with structural engineering codes and standards. Analyze difficult or unusual structural engineering and other life safety features of plans for proposed new, or additions and alterations to existing structures for conformance with relevant regulatory standards. Review fire and life standards and coordinate the plan review process within the City. Meet with architects, engineers, contractors, and owners to resolve code issues.

#### Required Qualifications

A bachelor's degree in civil engineering or a closely related field that includes significant structural engineering course work and three years of professional engineering experience. Senior level requires a Bachelor's in civil engineering that includes significant structural engineering coursework and five years of professional engineering experience, including two years of structural plans review.

#### Desired Qualifications

Strong written and oral communication skills. Review experience in fire and life standards preferred. Please apply online at [www.seattle.gov/jobs](http://www.seattle.gov/jobs).

## 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](mailto:seaw@seaw.org).

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

# BROWN AND CALDWELL

### **BECOME PART OF AN ENVIRONMENTAL ENGINEERING and CONSULTING FIRM WHERE YOU CAN DELIVER YOUR FINEST WORK.**

Brown and Caldwell, a nationally recognized environmental engineering and consulting firm has an excellent career opportunity for a Structural Engineer to join our Seattle, Washington office. Are you a self-directed person who values challenging work and a creative learning environment? If so, then come be a part of our team! We are looking to hire immediately.

#### **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](http://www.browncaldwell.com). Please reference position/requisition number in cover letter and e-mail [mthullen@brwncald.com](mailto:mthullen@brwncald.com). We value workforce diversity. EOE/AA.



# STRUCTURAL ENGINEERS ASSOCIATION of WASHINGTON • Seattle Chapter

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

### Committees & Chairs

House/Program	Ade Bright	Earthquake Eng	Mike Valley	Presentations/Awards	Brian Glover
Code Advisory	John Tawresey	Legislation	Robert Bourdages	Professional Practices	Bob Morrison
Exam Liaison	Ed Huston	Wind Engineering	Don Scott	Emergency Prep	Dave Swanson
Refresher Course	C. Chevy Chase	Finance & Auditing	Ted Smith	Public Information	Steve Arnold
Scholarship	Bill Mooseker	Newsletter	Scott Adan	Building Committee	Philip Brazil

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# Are Your 2006 Dues Paid?

## LAST CHANCE TO PAY YOUR 2006 DUES!

The following memberships will expire on December 31. Original invoices were e-mailed in May, with reminders emailed in August and mailed in September. Please log in to the SEAW website to pay your dues. (Go to [www.seaw.org](http://www.seaw.org). Default log in name is your e-mail address, and password is your first name). Contact Lynnell at the SEAW office if you have questions about your membership.

### RENEW TODAY!

Baerwald, Dennis H	Conrad, Philip (Kelly)	Halverson, Richard R	Mattison, Jim	Sherman, Clyde K
Batt, Madison	Dethlefs, Richard A	Hampson, Joel Alexander	McGuire, Jeff	Simons, Kenneth B
Blans, Bart	Diedrich, Paul S	Ivanov, Vladimir I	Miller, Steven P	Soli, Bharat Ratna
Booker, David R	Dorn, Gerald L	Jodh, Deepali Santosh,	Neuharth, Melissa	Stainer, Craig A
Bowman, James D	Dunham, Lee	Kim, Kevin	Olson, Craig D	Swanson, Kris
Bowman, Ronald C	Eng Brian	Korpi, David W	Osses-Henriquez, Claudio	Taft, Buckie A
Bradley, David	Farah, Reina	Kouretchian, Mohammed	Esteban	Thompson, Robert
Briggs, Greg	Fett, Nick	LaFave, Kelly D	Owen, Craig	Thurfjell, Mans R
Chahim, Abdul J	Furtado, Aeli	LaNier, Ryder S	Pihl, Marshall	Treyger, Semyon
Chan, William FC	Gokey, Jacob	Lau, Chun C	Ryan, Patrick T	Williams, Charles J
Chang, Susan W	Goupil, Jennifer	Ma, Xian (Mark)	Ryan, Shawn P	Wipplinger, Lisa
Chhoukdean, Sowady	Griffith, Gerald Robert	Marks, Andrew E	Sakamoto, Gregory F	
Chin, Edward W	Hagensen, James F	Martin, Bradley Andrew	Sandusky, Charles A	