



SEA - NEWS

A Publication of SEAOSD - Structural Engineers Association of San Diego

February

Volume 50, Issue 2

2016

In This Issue

March 15, 2016 Member Dinner

March 15, 2016
Member- Dinner

Tuesday, March 15, 2016

Stone Brewery
2816 Historic Decatur Rd.
Bldg. 1, Suite #116
San Diego, CA 92106

Importance Risk Management
and How it is Effect Firms
Financial Success

Abstract:

The presentation will address
the Importance of Risk
Management and how it is
effect firms financial
success.

Ms. Amundson will discuss
Risk Management Tools
every firm should have in
place such as Project and
Client selection, Contract
Review procedures, Dispute
Resolution, Refusing to
accept unlimited liability
Identifying Deal breakers and
Recognizing warning signs.

Dorothy Amundson CIC,
PWCA ~ Risk Advisor with
Cavignac & Associates
Dorothy was born and raised
on the North Shore of Oahu,
Hawaii, and returns twice a
year to visit family and friends
and absorb the wonderful
"Aloha Spirit"

Dorothy has 27 years of
insurance experience and has

A Message From
Your President



First off, I would like to thank everyone who attended our January lunch meeting. We had an excellent turnout with over 50 people in attendance. Ryan Smith from SidePlate Systems provided a great overview on Steel Moment Frame Testing. It was interesting to see the positive impact this sort of testing has had on our design methodologies since the 1994 Northridge Earthquake. It's always entertaining to see video footage of structural elements tested all the way to failure too!

We also had a great turnout for our February lunch meeting this past week, which was also our 10th Annual SEAOSD Life Member/Fellows luncheon. The Board sent out special invitations to all of our Fellow and Life members inviting them to this meeting. We are truly grateful for their many accomplishments and contributions to both our profession and association. This is one of my favorite meetings each year, and I was happy to see a large group showed up to meet many of these individuals that have made such an impact to our community and paved the way for the rest of us. A special presentation was given by Bob Dyson at the beginning of the meeting to honor our most recent Fellow, Doug Magee. Afterwards, we had a technical presentation by Keith Porter from University of Colorado Boulder and Principal of the risk consultancy firm, SPA Risk LLC. Keith discussed the public expectations for the seismic performance of new buildings. Our SEAOC Executive Director, Don Schinske, also joined the meeting and provided an update on the State Association and Legislative activities.

The recent earthquake in Taiwan once again reminds us of our responsibility as structural engineers to protect lives and create a safe living environment for the public. Even though the quake was relatively small, registering at a magnitude of only 6.4, the resulting damage was significant, including nine collapsed buildings and over 500 people injured. The majority of deaths from this quake were due to a collapsed 17-story apartment building, where more than 100 people are listed as missing and believed to be buried deep inside the rubble. The building was a concrete moment frame built in 1994, and there is speculation that the cause of collapse may have been due to shoddy construction practice and misconduct, resulting in the arrest of several individuals responsible for the construction. The images of the devastation throughout the region are disturbing and bring back painful memories of the widespread

spent the last 18 years at Cavignac and Associates in San Diego. Dorothy is a Senior Commercial Lines Producer and has spent her entire career specializing in Risk Management and Insurance for Architects, Engineers, Environmental Consultants, Lawyers and CPA's.

Her focus is on Risk Management which includes reviewing client leases and contracts, providing in-house loss prevention seminars, as well as Lunch and Learns and Seminars for local Professional Associations such as the American Institute of Architects (AIA), the Society of Design Administrators (SDA), and the American Council of Engineering Companies (ACEC).

Dorothy works with a dedicated in-house team at Cavignac to provide her clients with Human Resource Support, Risk Control, Safety and Workers Compensation Claims Management. The goal is to develop a strategy to control the cost of insurance, maximize the return on their loss prevention/risk management efforts and make their firms more attractive to the insurance market place.

Dorothy has an Associates degree in Automated Office Systems, and has earned her Certified Insurance Counselor (CIC) and Professional Workers Compensation Advisor (PWCA) designations. She is a member of the Professional Liability Agents Network (PLAN) and the Independent

destruction following the 2010 Haiti earthquake. This tragedy certainly bolsters the argument for building resiliency and efforts such as the seismic retrofit ordinance that Los Angeles passed last year to retrofit structures with known deficiencies. As for now, my heart goes out to all of the victims in Taiwan, and I wish the best for their rescue efforts.

I would like to remind everyone once again that the National Engineers Week (NEW) Awards Banquet is coming up on Friday, February 26 at the San Diego Air & Space Museum in Balboa Park. SEAOSD has supported this event for many years with the purpose of calling attention to the contributions that all engineering branches make to society. This annual event has been celebrated since 1951 and takes place the fourth week of February in conjunction with President George Washington's Birthday, who is often branded our nation's first engineer for his work in land surveying. For more information on this event, please visit www.new-sandiego.org.

Last month, we had our statewide SEAOC Board meeting on January 22-23 in Los Angeles. In addition to general business and financial updates, we spent the second day revising SEAOC's Long Range Plan to help define our long range objectives, goals, and strategies. Some of the key areas discussed were membership, education, advocacy, outreach, and stewardship. This type of planning and proactive discussion is vital to the continued success of our association to help maintain our position as a respected, authoritative leader in the practice and advancement of structural engineering. I will keep you informed as our plan takes shape, and I'm sure many of you will be called upon to help develop and execute our long range plan moving forward.

I also want to thank our Student Liaison, Chad Closs, for coordinating an event earlier this month with the UCSD SCSE student chapter and taking the students on a tour of the San Diego County Central Courthouse. I'm sure the students appreciated the unique opportunity to see such a large-scale project under construction and meet with the contractor onsite to learn how such a tall building could be constructed in a tight space in the heart of downtown San Diego.

In closing, please let me know if you have any requests or ideas for ways to improve our organization. I also want to remind you that the planning for the 2017 SEAOC Convention is underway, and we are still looking for more volunteers. Please let me know if you'd like to get involved. I look forward to seeing many of you at our member meeting next month in March!

Ryan Turner, S.E.
president@seaosd.org
SEAOSD President
2015-2016

Insurance Agents & Brokers (IIAB). She currently sits on the Insurance and Business Committee for the American Council of Civil Engineering Companies (ACEC), and Education/Programs Committee for the Society of Design Administrators (SDA), a sub-chapter of the American Institute of Architects (AIA).

Please stay after our 30 minute presentation on Risk Management by Cavnac, for our special Committee mixer with Committee Chairs from a number of the SEAOSD committee. You may check out all of our committee on our website. [Click here for the link](#)

This event is sponsored by:
Cavnac & Associates

[CLICK HERE TO REGISTER!](#)

Mark your Calendars for our next member Dinner will be on April 19, 2016 at Stone Brewery for Student Night! More information to follow soon.

IMPORTANT SEAOSD Requests E- Day at the Mall Volunteers

As part of National Engineers Week, we are looking for volunteers to help at Engineering Day at the Mall this Saturday, **February 27, at Chula Vista City Mall 555 Broadway.** These volunteers will do hands on activities with kids at the SEAOSD table. **It's a great way to show your passion for**

Richard "Dick" L. Miller, S.E. July 11, 1933-January 11, 2016



Richard "Dick" L. Miller, S. E. noted San Diego-based structural engineering leader passed away on January 11, 2016. During his career, Dick was a valued member of the Structural Engineers Associations of California (SEAOC) and San Diego (SEAOSD). Dick served on many SEAOC Committees and was SEAOSD President (1976-1977).

Mr. Miller had a long spanning career, including a position at Atkinson, Johnson and Spurrier, Inc. before leaving to co-found Engineering Alliance. He later worked as Director of Engineering at Frank L. Hope and Associates where he oversaw the entire engineering group. He also later worked for the Building Department in both Ventura and Solana County. Dick served as a friend, teacher and mentor to many, and will be deeply missed.

For more details on his life and achievements, please see the excerpt below from his obituary published in The San Diego Union Tribune on Jan. 24, 2016:

Richard L. Miller, O.P. July 11, 1933 - January 11, 2016 San Diego Born July 11, 1933 at Mercy Hospital, San Diego, to Rear Admiral Harry F. Miller. U.S.N. and Jean Elliott Miller. He graduated from Bellermine Academy in San Jose, attended UC Berkley, received a Master's in Structural Engineering from San Diego State University, a M.B.A. from National University, and after many years of study became a member of the Third Order of Dominicans. Prior to attending college he had the privilege to serve as a pilot in the U. S. Marine Corp. He was acknowledged and honored for his excellence many times in his career. Dick was awarded a Distinguished Alumnus of the Year from SDSU College of Engineering. He served on the San Diego Board of Building Appeals and Advisors and was a President of the Structural Engineering Society of San Diego. The Solano County Board of Supervisors issued a Resolution acknowledging him for outstanding and dedicated service for a program he implemented in the Dept. of Building and Safety. His passion for experiencing life gave him many interests. He had been a member of San Diego Yacht Club and loved to sail. He was a glider pilot, hanglider and skier. He appreciated art and his close friends many from his childhood. In his retirement he spent his time in service to God with his much loved brothers and sisters in Christ at St. Dominic's in Benicia. He is survived by his wife of 57 years Elizabeth Miller; his aunt Marion Miller; son Christopher J. Miller, DVM, Ph.D, wife Carmel Benbow, and their two daughters, Kate and Claire; daughters Carolyn Atkinson, husband Dean, and Sydney Miller, husband CAPT. Thomas S. Wetherald U.S.N. Ret., and their son,

Structural Engineering. There are two shifts available: 9:30 - 1 and 12 - 4. If interested, please contact Sarah Witt at pr@seaosd.org.

More information on the event can be found here <http://www.new-sandiego.org/edayatthemall.html>

New Member Applicant Postings

2017 SEAOC Convention

It may seem far away, but the 2017 SEAOC Convention in San Diego, is just around the corner!

In February, the Convention Committee will be touring potential venues for the site of the convention. If you are interested in joining the committee and giving your input on which site is the right location, contact Convention Chair, Jeniene Knight at knight.jeniene@gmail.com.

Younger Member Forum

If you are 35 or under and would like to participate in the SEAOSD YMF activities, contact YMF Chair, Aaron Taylor. He will let you know about upcoming YMF events and add you to the mailing list.

**Aaron Taylor
Hope-Amundson**
ataylor@hope-amundson.com

Quick Links

[Our Website](#)

Ian.

- See more at:

<http://www.legacy.com/obituaries/sandiegouniontribune/obituary.aspx?pid=177428208#sthash.KWG7iuSp.dpuf>

UCSD SCSE Tour of San Diego County Central Courthouse

SEAOSD held two UCSD SCSE student tours of the San Diego County Central Courthouse at Union and C St, a \$555.5 million 22-story full-service facility to replace multiple outdated and deficient buildings, one of which currently sits on an existing fault. It is the largest project to be funded under Senate Bill 1407 court construction program at 704,000 SF. The building features a podium, tower, and cantilever roof canopy. The picture is taken on the roof at the backspan of the deep steel trusses that will support the roof canopy.

The building lateral system is a steel biaxial moment frame with viscous dampers in the transverse direction supported on a mat slab foundation. Full scale testing of the beam to column connection was performed at UCSD since the member sizes were outside the parameters covered by current standards.

It was very educational for students to see this large-scale project under construction and hear from the general contractor Rudolph and Sletten the carefully chosen methods to construct a tall building in a confined footprint in downtown San Diego. The tour was led by Matthew Kidd and coordinated through Howard Mills of Rudolph and Sletten.



Professional Directory



"Quality & Service Since 1947"

BLOCK & BRICK

Gina Adams, CDT, CSI
Architectural Representative

☎ (619) 460-7250
☎ (619) 247-6594
☎ (619) 460-7326
✉ gadams@rcpblock.com

8240 Broadway • Lemon Grove, CA 91945 • www.rcpblock.com

www.rcpblock.com

DARREN J. MEDEIROS

P.O. Box 387
Coalville, Utah 84017



Phone: 801.243.7473
Plant: 801.467.2800
Fax: 801.359.8541
✉ ucorp4@live.com
www.utelite.com

www.utelite.net



VERCO DECKING, INC.

a **NUCOR** company

Steel Roof and Floor Deck

Engineering Office:
Los Angeles, CA

Steve Wiesner
(714) 938-0307
swiesner@vercodeck.com

Sales Office:
Los Angeles, CA

Jim Taylor
(714) 939-9128

www.vercodeck.com



GEOCON

GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Success Built on Service

SAN DIEGO (858) 558-6900

MURRIETA LOS ANGELES SAN BERNARDINO BAKERSFIELD
SACRAMENTO LIVERMORE BENO/LAKE TAHOE LAS VEGAS PORTLAND

WWW.GEOCONINC.COM

www.geoconinc.com

CAVIGNAC ASSOCIATES
INSURANCE BROKERS

460 B Street | Suite 1800 | San Diego, CA 92101 | cavignac.com

Kelly Potter, PWCA | Account Executive
kpotter@cavignac.com | 619-744-0585

www.cavignac.com



USRC Certification & New Membership Opportunities

The US Resiliency Council (USRC - www.usrc.org) is pleased to announce two important new opportunities as it launches its rating system for the earthquake performance of buildings.

1. Join the USRC as we embark upon our mission to implement meaningful rating systems that describe the performance of buildings during earthquakes and other natural hazards.
2. Apply to become a USRC Certified Rating Professional and/or Certified Rating Reviewer to perform and review USRC ratings.

New membership opportunities and benefits are described at www.usrc.org, where you can join online.

[TO READ MORE CLICK HERE](#)

2016 National Engineers Week Banquet February 26th at the San Diego Air and Space Museum



2016 Calendar

New Location!
Stone Brewery
2816 Historic Decatur Rd.,
Bldg. 1, #116
San Diego, CA 92106

Tuesday, March 15, 2016
March Member Dinner

Tuesday, April 19, 2016
Student Night

Tuesday, May 17, 2016
May Member Luncheon

Tuesday, June 21, 2016
Awards Night

****Meeting sponsorship opportunities available for the 2015-16 meetings. Contact secretary@seaosd.org for more details. Future meeting details will be posted on the website (www.seaosd.org) as they become available.**

SEAOSD Board of Directors Meeting

The SEAOSD Board of Directors normally meets the second Tuesday of every month. The February Board of Director's meeting will be held on Tuesday, March 15, at 4:00 AM at the Stone Brewery. If you have an issue to bring before the Board please let a member of the Board know so that it can be placed on the agenda. The past agendas/minutes can be viewed on the SEAOSD webpage at <http://www.seaosd.org>.

Send correspondence to:
SEAOSD, 401 W. Lexington Ave.
#12621, El Cajon, CA 92022,
(619) 733-2734 or
email secretary@seaosd.org.

SEA-NEWS Deadlines

2017 SEAOC CONVENTION

Calling for Members within your companies to join us as we plan the 2017 SEAOC Convention and SEAOSD's 50th Anniversary Celebration! Contact Convention Chair, Jeniene Knight. Our Convention Committee planning meeting resumes in January. The SEAOC Convention will be hosted at the beautiful Hilton San Diego Resort & Spa in Mission Bay.

Jeniene Knight, Convention Chair
SEAOSD2017@seaosd.org

COMMITTEE ROSTER

Your 2015-2016 Committee Roster

[CLICK HERE](#)

JOB FORUM February



Job Title: Structural Design Engineer

HTK Structural Engineers, located in San Diego (Poway), is seeking experienced (2-7 years) ENGINEERS to perform structural design and detailing for a variety of commercial and residential projects. Knowledge of wood, structural steel, concrete masonry and current building codes is required. NOTE: This is a position for structural design (not mechanical, plumbing, etc.). Competitive salaries, great bonuses and retirement package. Paid health/vision and dental insurance, vacation, sick leave and holidays. Great work environment! Please send resumes to: ts@htkse.com.



Company Information

REID MIDDLETON, INC., is a civil and structural engineering firm with a 60-year history of service to public and private clients throughout the Pacific Rim, including Hawaii and Alaska. We are headquartered in Everett, Washington with additional offices in Spokane, WA; San Diego, CA; Anchorage, AK; and Honolulu, HI. We have a culture of hard working and highly motivated people who are committed to each other's success. We believe in flexible work schedules, celebrating our successes, and enjoying our time away from work. Our firm's market-focused organization includes a diverse portfolio of Aviation, Civic/Municipal, Commercial, Education, Healthcare, Industrial, Military,

March 2016 02/20/16
April 2016 03/20/16
These dates are subject to
change. You may contact the
Editor:

Heather

secretary@seaosd.org

Phone: 619-733-2734

c/o SEAOSD

401 W. Lexington Ave., #12621

El Cajon, CA 92022

All submissions must be given to
the Editor by **12:00 PM** the day
of the deadline to allow time for
formatting and printing.

Thank you,
**SEAOSD Publications
Committee**

Transportation, and Waterfront projects. Please refer to www.reidmiddleton.com for
more information about our portfolio.
Project Engineer, Structural Engineering
Location: San Diego, CA

We have been actively working in the Southern California region for the last 10
years. The steady growth of our structural engineering practice has created
opportunities for challenging design, project management, business development,
and professional growth in our recently opened San Diego, CA, office. The right
candidate has a unique opportunity for professional growth within a well
established, employee-owned, professional design firm.

Requirements for this position include the following:

- * Experienced Professional Civil or Structural Engineer with a minimum of 5 years' experience in structural design.
 - * Bachelor's Degree in Civil or Structural Engineering.
- * Knowledge of ETABS, SAP, SAFE, REVIT BIM, AutoCAD, and Microsoft Office software.
 - * Master's Degree in Structural Engineering (preferred).
- * Licensing as a Professional Engineer in the State of California (preferred).
 - Primary responsibilities include the following:
 - * Structural Engineering design.
 - * Development of design drawings, specifications, and cost estimates.
 - * Preparation of design documents and technical reports.
 - * Coordinating and leading technical and professional staff.
 - * Assistance with the preparation of project proposals.
 - * Project development and management.
 - * Performing construction administration of designed projects.
 - * Coordinating subconsultants.

The successful candidate must be highly qualified, motivated, and experienced. They must possess excellent interpersonal and communication skills and the ability to participate within a team of engineers and drafters to engage in structural analysis and design of structural systems in concrete, wood, masonry, and steel.

The candidate must also have the ability to work independently and use initiative to find solutions to engineering problems.



Our firm's market-focused organization includes a diverse portfolio of Aviation, Civic/Municipal, Commercial, Education, Healthcare, Industrial, Military, Transportation, and Waterfront projects. Please refer to www.reidmiddleton.com for more information about our portfolio.

Entry Level Engineers, Structural Engineering

Location: San Diego, CA

The steady growth of our structural engineering practice has created opportunities for challenging design, professional development, and professional growth in our San Diego, CA, office.

We are looking for a highly qualified and motivated entry-level engineers (Designers) to join our structural engineering team.

Requirements for this position include the following:

- * Bachelor's Degree in Civil or Structural Engineering.
 - * Licensing as an Engineer-In-Training.
- * Knowledge of AutoCAD and Microsoft Office software.
 - * Master's Degree in Structural Engineering (preferred).
- * Experience with structural analyses and design software such as Visual Analyses, ETABS, SAP, SAFE, Perform 3D, and Revit Building Information Modeling (BIM) software (preferred).

The successful candidate must possess excellent interpersonal and communication skills and the ability to participate within a team of engineers and drafters to engage in structural analysis and design of structural systems in concrete, wood, masonry, and steel.

The candidate must have the ability to work collaboratively in a team environment and the ability to work independently as well. We are looking for problem solvers.



Wiseman + Rohy Structural Engineers is a full service Structural Engineering company with four decades of quality projects constructed around the United States. Most of these projects are in Southern California and western states. We have an opening for an engineer with over 5 years of experience in structural engineering. This position offers the opportunity to participate in challenging and unique projects in all types of commercial structures. We are looking for a highly motivated engineer to become a long-term part of this established company.

Immediate position available.

Please Send Resumes To: HR@wrengineers.com

California & Vicinity
Steel Information Council

CVSIC

*Funding provided by the California
Field Iron Workers Administrative Trust*

Are you a structural engineer or code professional in Arizona, California or Nevada and want to attend NASCC: The Steel Conference in April 13-15, 2016? If so tell us how you will benefit from attending The Steel Conference and you could win a travel stipend of \$1,000 and a free full registration!

There are 20 travel stipends available! The Steel Conference is designed to provide exposure to the most advanced industry knowledge as well as opportunities to network with key industry personnel.

To apply for the stipend, visit www.cvsic.org/CVSICProfessionals.
20 winners will be chosen on March 1, 2016.

For additional CVSIC program information, please contact Lorena Arce at arce@aisc.org or Kristy Davis at davis@aisc.org

Mark Your Calendar Now
The Second Annual BSSC Colloquium Takes
Place March 8 in Burlingame, CA



**National Institute of
BUILDING SCIENCES**

1090 Vermont Avenue, NW, Suite 700
Washington, DC 20005-4950
(202) 289-7800 phone
(202) 289-1092 fax
www.nibs.org

Plan to join the National Institute of Building Sciences Building Seismic Safety Council (BSSC) to find out about the latest on the National Earthquake Hazards Reduction Program (NEHRP) NEHRP Recommended Provisions for New Buildings and Other Structures and Project 17, Development of Next-Generation Seismic Maps, when the BSSC presents its Second Annual BSSC Colloquium, "Seismic Design Update

2016: An Interactive Exploration of the 2020 NEHRP Provisions and Project 17 Issues." The BSSC Colloquium will be held 10 a.m. - 5:30 p.m. PT, March 8, 2016, at the Embassy Suites Hotel - Waterfront, Burlingame, California, located some five miles south of the San Francisco International Airport.

Earn continuing education units (CEUs) while learning the latest about Project 17, as well as issues for the upcoming development of the NEHRP 2020 NEHRP Recommended Provisions for New Buildings and Other Structures. The afternoon session will include a workshop to garner public input on issues for the 2020 NEHRP provisions.

Under the sponsorship of the Federal Emergency Management Agency (FEMA), BSSC administers an ongoing consensus-based process of updating and maintaining the NEHRP Recommended Provisions for New Buildings and Other Structures. The NEHRP Recommended Provisions and its Commentary embody the state-of-knowledge criteria for design and construction of new buildings subject to earthquake hazards. The new knowledge and technologies contained in this resource document are diffused into the model building codes developed by the International Code Council (ICC) and several national standards, including the American Society of Civil Engineers (ASCE) Structural Engineering Institute (SEI) ASCE/SEI-7 Minimum Design Loads for Buildings and Other Structures.

The March 8 BSSC Colloquium will be preceded by the BSSC Annual Meeting in the morning and followed by a Provisions Update Committee (PUC) meeting on March 9, and a Project 17 Committee meeting on the March 10. Watch the BSSC website for updates.
[<https://www.nibs.org/?page=bssc>]