



SEAOSC NEWSletter

Structural Engineers Association of Southern California (Since 1929)

5360 Workman Mill Rd., Whittier, CA 90601; (562) 908-6131; Fax: (562) 692-3425

Email: seaosc@seaint.org; Web site: www.seaint.org

March 2000

President's Message

Question recently asked: "Who runs the ship "SEAOC"? The answer — and it may be hard to believe — is "the SEAOC members do". Of course, not every member steers the ship, but those many members who feel strongly about maintaining high standards for our profession and who actively volunteer to participate on Boards, Committees, and Design Seminars do.

design techniques are essentially developed from work by committees such as Seismology, Building Code, Existing Buildings. These committees are active at both the regional level and state level. With the building code now being developed on the national scene (IBC), we need to maintain a strong and active presence in the code development process through SEAOC and our committee members.



SEAOSC is one of four regional associations that make up SEAOC. Delegates from our SEAOSC Board along with delegates from the other regions;

Our experience with earthquakes makes us aware of the need for well-analyzed and detailed framing systems. Code development committees from other states don't always agree with our recommended standards, and to keep the future building code standards from being reduced, we need SEAOC, through its state and regional associations' committee members, to actively participate on the national scene. SEAOC is a respected name, but it is the participating members that make the ship sail smoothly in turbulent waters.

North, Central and San Diego, constitute the SEAOC Board. This Board meets four times a year including the annual membership meeting during the state convention.

Active participation on committees is the backbone of SEAOSC and ultimately SEAOC. Our codes and

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Mini-Seminar Mar. 1

A Practical Design and Detailing Seminar on "The Structural Engineer's Role During the Submittal Process" will be held prior to the Dinner Meeting from 3 to 5:30 p.m. Wednesday Mar. 1 at Luminarias Restaurant. Topics will include "The Relation Between the Special Inspector and the Engineer of Record" by Robert Ryan, Twining Labs; "Concrete Mix Design" by George Battey, CHJ Inc.; and "Welding Procedure Specifications" by John Brunton, President of Steel Fabricators of Southern California. Handouts will be provided. See peach insert for details.

Macro-Seminar Mar. 25

A macro-seminar, "The Future of Wood Design, a Side-by-Side Comparison of ASD and LRFD," will be held from 8:30 a.m. to 4 p.m. Sat., Mar. 25 at the Wyndam Garden Hotel in Commerce. Attendees will receive the LRFD Manual & Guidelines (\$99 value). See cream insert for details.

L.A. Dinner Meeting

Wednesday, Mar. 1

Program: Probable Maximum Loss (PML) Analysis

Speaker: Representative of URS/ Greiner and Dames & Moore

Menu: Breast of Chicken

Location: Luminarias Restaurant, Monterey Park

Time: Social hour: 5:30 p.m.
Dinner: 6:30 p.m.
Program: 8 p.m.

Cost: \$24 (Full-time undergraduate students: \$10)

(See blue insert for reservation form and details.)

Orange County Dnr. Mtg.

Wednesday, Mar. 8

Program: Quality Control in Wood Frame Construction

Speaker: Don Neff, La Jolla Pacific, Ltd.

Location: Costa Mesa Country Club, 1701 Golf Course Dr.

Time: Social hour: 5:30 p.m.
Dinner: 6:30 p.m.,
Program: 7:30 p.m.

Cost: \$24 (Full-time undergraduate students \$10)

(See orange insert for reservation form and details.)

Get Involved! Communicate Electronically!

E-mail Listservers

Want to communicate your thoughts to the Board of Directors or to a specific committee? Here's your vehicle! SEAOSC members (and non-SEA members) may send e-mail messages to any of the list servers shown here.

Each member of a particular list server receives any e-mail message sent to that list server. This saves sending separate e-mails to individuals one at a time. But remember, if you send an e-mail message to John Doe, who happens to be a Board Director, and you send it to board@seaint.org, ALL Board members will receive it. If you want only John Doe to see it, e-mail your message to his personal e-mail address, which might be something like johndoe@aol.com.

Those sending messages should remember that sending a message does not make the sender a *member* of that list server. Some lists are open to committee members/board directors only. This means that while a certain list may receive your message, you may not receive any responses unless the list member(s) e-mail you personally. In fact, list members may respond on the list server and continue discussing your topic, yet you may not see any of these posts unless the members of the list e-mail you personally.

To subscribe to any of these list servers, send an e-mail message addressed to

admin@seaint.org

In the *body* of the message type the words:

Join [*list server name*]

Example: "Join seaocmembers" or "Join [seaint](mailto:seaint@seaint.org)". (Do not use quote marks or a period after seaint.)

Questions? Send e-mail to

Seaint-ad@seaint.org

All e-mail sent to seaint@seaint.org is released to the public and may be reposted without permission.

seaint@seaint.org (Main list server open to engineers worldwide. Technical questions, general engineering subjects. 15,000 subscribers)

board@seaint.org (SEAOSC Board of Directors)

seaocboard@seaint.org (SEAOC Board of Directors)

seaoc-bylaws@seaint.org (SEAOC Bylaws Committee)

seaocChair@seaint.org (SEAOC Committee Chairs)

seaoc-code@seaint.org (SEAOC Building Code Committee)

seaoc-convention@seaint.org ('99 SEAOC Convention Planning Committee)

seaocmembers@seaint.org (Open list for topics relating to SEAOC)

seaoc-pub@seaint.org (SEAOC Publications Committee)

seismo-@seaint.org (Open forum relating to SEAOC Seismology Committee)

seismo-members@seaint.org (SEAOC Seismology Committee)

seismo-membersplus@seaint.org (SEAOC Seismology Committee plus others by invitation)

online@seaint.org (Open list devoted to the computer side of structural engineering and closely tied to SEAINTE Online.)

seaoc-ebc@seaint.org (SEAOC Existing Buildings Committee)

ncsea-board@seaint.org (National Council of SEAs [NCSEA] Board of Directors)

ncsea-cac@seaint.org (NCSEA Computer Applications Committee)

ncseaDelegates@seaint.org (Delegates to NCSEA)

seami-officers@seaint.org (SEA of Michigan officers)

SEAINTE website address: <http://www.seaint.org>

SEAOSC e-mail address: seaosc@seaint.org

Make reservations online via the SEAOSC web page at the [seaint.org](http://www.seaint.org) website. Members are encouraged to utilize this method to expedite the reservation process.

February Calendar

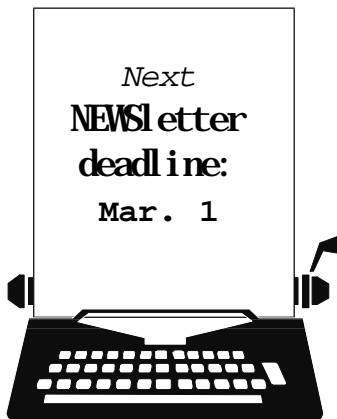
| Date | Time | Meeting | Location |
|------|-----------|---|-------------------------|
| 1 | 2:30 p.m. | Board Meeting | Luminarias Restaurant |
| | 3:30 p.m. | PDD Seminar | Luminarias Restaurant |
| | 5:30 p.m. | L.A. Dinner Meeting | Luminarias Restaurant |
| | | April <i>NEWS</i> letter Deadline | |
| 7 | 3 p.m. | COLA/UCI Testing Standards Subcommittee | SEAOSC Office, Whittier |
| 8 | 4 p.m. | Flexible Diaphragm Subcommittee | SEAOSC Office, Whittier |
| | 5:30 p.m. | Orange County Dinner Meeting | Costa Mesa Country Club |
| 14 | 2 p.m. | Quality Assurance Committee | SEAOSC Office, Whittier |
| | 4 p.m. | Existing Buildings Committee | SEAOSC Office, Whittier |
| 16 | 3 p.m. | Testing Standards Committee | SEAOSC Office, Whittier |
| 21 | 4 p.m. | Non-Ductile Concrete Subcommittee | SEAOSC Office, Whittier |
| 25 | 8:30 a.m. | Macro Seminar: Future of Wood Design | Wyndham Hotel, Commerce |
| 28 | 4 p.m. | Light Frame Buildings Subcommittee | SEAOSC Office, Whittier |
| 29 | | May <i>NEWS</i> letter Deadline | |

SEAOSC Data Projector Available

SEAOSC is pleased to announce the purchase of a Toshiba digital data projector for use at its seminars and dinner meetings. Speakers are encouraged to create their presentations so that they can be electronically shown via the projector and later sold on the SEAOSC Web page at seaint.org following the seminar.

The new unit also has a digital camera that enables projection of any type of document – whether the document is an overhead transparency or a regular, typed paper document. This feature eliminates the need to create transparencies.

SEAOSC members may also rent the projector from SEAOSC at the discounted rate of \$95 per day plus shipping as a benefit of their membership in SEAOSC. The unit normally rents for \$200 per day.



SEAOC Mission Statement

To advance the structural engineering profession;
 To promote natural hazard mitigation effort;
 To provide the public with structures of dependable performance through the application of state-of-the-art structural engineering services;
 To assist the public in obtaining professional structural engineering services;
 To provide continuing education and encourage research;
 To provide structural engineers with the most current information and tools to improve their practice;
 And to maintain the honor and dignity of the profession.

SEAOSC *NEWS*letter is published 10 times per year by the Structural Engineers Association of Southern California, 5360 Workman Mill Rd., Whittier, CA 90601. News announcements welcomed free of charge but must be of particular interest to the membership. Ad rates: Help Wanted: \$50 for 50 words or less. Position Wanted: \$10 for 50 words or less; Display: 1/4 page: \$100; 1/2 page: \$150; full page: \$300. Discounts for multiple runs. Inserts: 8 1/2" x 11" flat: \$300. Circulation: approximately 1900; foreign: 12 - 20; 1-2% outside California; most in Southern California. Accepted advertising does not imply endorsement by SEAOSC. SEAOSC Board of Directors reserves the right to decline any advertising.

Advertisements

Howard & Van Sande, Structural Consultants Inc., seeks motivated and energetic structural engineer. Five to 10 years of structural design experience with steel, concrete masonry and timber. California C.E. or S.E. preferred. Excellent communication and teamwork skills essential. Resume to 1 N. Calle Cesar Chavez, #200, Santa Barbara, CA 93103.

Wheeler & Gray Inc., Pasadena, seeks California registered P.E. (S.E. preferred) with seven to 10 years experience in wood, steel concrete, masonry. Excellent communication skills required. Fax resume to 626-432-5858 or e-mail ldavis@wheelerandgray.com.

Brian L. Cochran Associates, Structural Engineers, West L.A. firm looking for structural design engineers with two to five years experience or more in wood, concrete and steel. Send resume to 2040 Armacost Ave., Los Angeles, 90025. Fax: 310-207-6188, e-mail: bcase1356@aol.com.

All Ph.D. structural engineering firm with emphasis on seismic rehabilitation, structural dynamics/earthquake and wind engineering, linear and non-linear analysis, concrete and steel building design/analysis. Ph.D. required. Hart Consultant Group, 2425 Olympic Blvd., The Water Garden, Ste. 670, Santa Monica, CA 90404. Phone: 310-998-9154; fax: 310-998-9254; e-mail: mail@hartconsultantgroup.com.

Biggs Cardosa Associates has immediate openings for various levels of structural engineers in San Jose, San Francisco, Fresno and Eugene, Ore. Come work for a fast-growing structural engineering firm on either building or bridge projects. Check our web site for full details: www.biggs-cardosa.com. EOE

Grossman & Speer Associates Inc., Glendale, is looking for you. We need structural engineers at all levels. Three weeks vacation, profit sharing, modern office environment, flexible working hours and opportunity for advancement are some of the benefits. Fax or email your resume. Fax: 818-507-1556. Email: loyd@grossmanspeer.com.

Farhad/Tabib Consulting Structural Engineers seeks entry level engineers with B.S. degree majoring in structure. Must be computer proficient and willing to learn. Small office environment with potential for advancement. Cad experience and some construction experience a plus. Fax resume to 310-670-8687 or e-mail to Bijfarhad@aol.com.

John A. Martin & Associates seeks structural designers with two to five years experience and structural project managers with 10 to 15 years experience. Fax resume to 213-483-3084, attention Steve Hagen. Visit our website at www.johnmartin.com for more information.

Entry to mid-level positions available in five-man office in City of Dana Point. We specialize in the structural design of custom residential and light commercial buildings. B.S., C.E. Contact Daryoosh Monjezi, Delta Engineers, at 949-496-8633.

Lloyd W. Martin Consulting Engineers has immediate opening for an experienced licensed P.E. or S.E. for structural design on a full-time or contract basis. Knowledge of AutoCad and Type V construction preferred. Call Loyd at 310-541-8163.

Langston & Associates, Structural Consultants of Santa Ana, seeks a motivated design engineer for retail, industrial, residential and commercial low-rise projects. License and good communication skills a plus. Fax: 714-836-8087; e-mail: langston@inreach.com

A Solid Structure for Your Future

Jacobs Facilities Inc., engineering, architecture and construction, seeks a highly motivated, career-oriented structural engineer with two plus years experience.

Qualified candidate will have a B.S. in civil engineering, two or more years experience preparing structural design drawings for buildings and experience in performing calculations for steel, concrete, masonry and timber based on the latest material standards and the Uniform Building Code.

Send resume to:

Michelle Gonzalez

Jacobs Facilities Inc.

675 Anton Blvd., Ste. 400

Costa Mesa, CA 92626

Fax: 714-549-4014

E-mail: gonzalma@sverdrup.com

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ATTENTION STRUCTURAL ENGINEERS

KPFF Consulting Engineers seeks motivated and energetic structural engineers.

2+ years of structural design experience with steel, concrete, masonry and timber desired.

M.S. degree and a California P.E. or S.E. preferred. Excellent communication and teamwork skills are essential. Substantial growth opportunity for all levels, and the opportunity to work on some of the most exciting and challenging projects.

Please contact or fax resume to Kacy Rufener at

KPFF
Santa Monica/Irvine

Phone: 310-828-1536/949-252-1022

Fax: 310-828-9492/949-252-8082

Email: krufener@kpff-la.com

Delta Pacific Ad

Taylor & Gaines, Structural Engineers, seeks motivated structural engineers to work in a fast-paced growing company .

California P.E. or S.E. preferred with three to five years in wood, steel and concrete. Written communication skills, teamwork skills and computer proficiency required.

Structural engineering positions available in our Pasadena, San Diego and Encino offices.

Send or fax resume to:

Ed Gharibans
320 N. Halstead St., Ste. 200
Pasadena, CA 91107
Fax: 626-351-5319

Englekirk Ad

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President's Message

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At the state board meeting on January 22, the SEAOC board considered the following:

- a. Messersmith Group to redesign and maintain the SEAOC.org web site.
- b. Development of the annual SEAOC Excellence in Structural Engineering Competition where designs will be displayed at the regional meetings and winners forwarded to the SEAOC competition at the August convention in Vancouver.
- c. Draft presented for updating the State bylaws.
- d. Executive Director to obtain proposals for SEAOC-recommended insurance plans to be offered to the members.
- e. Greg Brandow, BOPELS board member, recommended that the members attend sunset meetings in support of BOPELS.
- f. The cost of the S.E. exam is \$450 per candidate, which is the highest among all professions except for the geo-technical exam. No other western state now uses the California exam. They are using the NCEES exam.
- g. Should SEAOC become a regulatory body to review/censure members for questionable engineering practices? If BOPELS does sunset, would SEAOC be the appropriate professional association for this type of function?

Brian L. Cochran

New Members

SEAOSC welcomes its newest members:

Mikaati, Basil, Associate, TRW (NISC at FAA), Lawndale

Rock, Edward J., Associate, Edmund C. Foerstel, S.E., San Clemente

Unsworth, Michael S., Member, Standard Structures Inc., Santa Rosa

ATC Council Meetings Report

(Continued From Page 7)

treasurer. Steve is the appointee from SEACC, and he has been a member of the Board for one year. Typically, the person who is elected secretary-treasurer often moves up to vice president. In almost all cases, the vice president then moves up to the president's position the following year. Steve has been a member of the SEAOC Existing Buildings Committee for many years and is obviously a very good choice for that position.

In the interest of brevity, I have not gone into great detail in all the matters that were discussed at the meeting, but I will be glad to answer any questions that our board may have on this matter. I think that it is very important that the SEAOSC board keep abreast of the activities of the ATC so that we can learn from them in their broadening activities and also so that they can be made aware of the very considerable work that is and has been done by our local committees.

Sincerely,

Richard L. Hess, S.E.
President

Advertisement

Structural Engineering Plan Review Services:

The Division of the State Architect (DSA) is requesting submittal documents from structural engineering firms to provide structural plan review/back review of drawings and specifications for public schools, community colleges, and essential services buildings. All work is to be performed in conformance with the California Building Code (Title 24) and regulations developed by DSA and in accordance with established procedures as directed by DSA. Interested firms should contact DSA to obtain a Request for Qualifications (RFQ) at 1130 K Street, Ste. 101, Sacramento, CA 95814. Estimated cost range: \$100,000 and over.

Application deadline: Feb. 25

Location: DSA Offices Oakland, Sacramento, Los Angeles, San Diego

Department: General Services

Contact: Charleen Tyson at 916-445-5111

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Report on ATC Council Meetings Jan. 14-15 *By Richard Hess*

January 28, 2000

Board of Directors
Structural Engineers Association of Southern California

Attn: Brian Cochran, President

Re: Applied Technology Council Meetings of
January 14-15, 2000

Dear Brian:

Thank you and thanks to the Board of Directors for your appointment of me to the Board of the Applied Technology Council. I appreciate the honor of this appointment and the confidence that the Board has shown in me. I hope that I can represent our association and the profession as well as Dick Phillips has done in this position during the last three years.

I went to the ATC office in Redwood City at 10 a.m. on January 14th for the orientation meeting for new members. Since Chris Rojahn, the executive director, had been out of the office for the past week and was busy with preparations for the meeting, most of the orientation was directed by Ed Dean, Portland, Ore., who was the president of ATC through January 15th of this year. The other new member at this meeting was Steve Baldrige, who is a structural engineer from Honolulu. Steve was appointed by the Western Council of Structural Engineers Associations. He is replacing Newland Malmquist of Salt Lake City. The other two new members for this term are Larry Reaveley of Salt Lake City and Pat Buscovich of SEAONC. Larry Reaveley is coming on as an appointee of the ASCE, but he has been a member of this Board in the past as a representative from WCSEA, and therefore no introduction was necessary. Larry is replacing Charles Roeder of the University of Washington as the representative from the ASCE. Pat Buscovich was not able to attend this meeting.

This meeting was useful in explaining the ongoing projects and the finances of the ATC so that I could better understand what was going on during the regular meeting on the 15th. At 1p.m. we broke up the meeting to drive to Richmond to attend the meeting of the members of the ATC Board and representatives from the Pacific Earthquake Engineering Research Center there. At that meeting, Jack Moehle, Greg Fenves and Andrew Whittaker described their current research programs, and then there was discussion about the possibility of ATC and PEER working together on projects. I think that this would take the form of PEER serving as the client and having the ATC perform work in the technology transfer area of the research projects that PEER has underway. I was already familiar with what PEER is doing since I am one of the professional consultant members of that group, and have attended several of their meetings and, on occasion, provided comment to their various projects.

The ATC Board meeting was held on Saturday, Jan. 15th, 2000. We met from 8:30 a.m. to 5:30 p.m., with a break for lunch in an adjoining room. In addition to the usual organizational activities that had to be handled by the Board, there was some interesting discussion about the projects that were underway and efforts to gain additional projects. One project that is of special interest to us in southern California is ATC-50. The consultants on this are Breiholz Qazi Engineering Inc. and Wiss, Janney, Elstner & Associates. This project is for the City of Los Angeles, developing a rating system for single family residential buildings to determine seismic hazard level of the building.

This is a continuation of something that the engineering and inspection groups of the City of Los Angeles have been working on since at least 1994. There have been discussions held with the Existing Buildings Committee of SEAOSC on it in the past. BQE has developed the rating system, but it has not been finally approved by ATC. The intent is for the City of Los Angeles to send letters out to a large number of households and ask for people who are interested in having their houses rated. Those chosen for that process would then have their houses retrofitted at no cost to them. This would involve 50 houses.

The ATC has recently opened an office in Washington, D.C., and the next Board meeting will be held at that location in April of this year. They recently hired a deputy executive director who will staff that office. He is Ian Friedland. Ian previously worked for MCEER at SUNY, Buffalo, and prior to that he was in Washington, D.C., working for one of the organizations involved with transportation engineering. A major focus of ATC is in becoming more oriented towards multi-hazard situations and areas throughout the country and throughout the world where disasters occur. Along these lines, some of the members now include Bob Dean, who is a professor of coastal engineering in Florida, and James Delahay, who is a structural engineer who specializes in wind engineering. James' offices are in Birmingham, Ala. Arthur Chiu, a member for some years now, who is a professor at the University of Hawaii in Honolulu, is also an expert in wind design.

The first design guide published by ATC is on floor vibrations, and it was discussed. Similar design guides on wind and coastal engineering were discussed; propositions for them will be presented at the next meeting. These are relatively small projects that are partially funded from ATC's own resources, in which time is contributed by the authors who are members or past members of the ATC board.

The organizational meeting for the new year was held from 3:30 to 5:30 p.m. on the 15th. At that time, Arthur Chiu was installed as president. Andrew Merovich was installed as vice president. Steve Pelham was elected to be secretary-

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