STANS (NEWS

Structural Engineers Association of Southern California, 5360 Workman Mill Rd., Whittier, CA 90601



President's Message

By Fred Schott, S.E., P.E., SECB

Last month we noted that there are a large number of **SEAOC** (Structural Engineers Association of California) members who are active in the code writing area at the National level. Examples are as follows:

NCSEA (National Council of Structural Engineering Associations)

NCSEA Board: *Jim Malley*, Secretary

SEAOC NCSEA Member Delegate: *Bill Warren* and alternate *Norm Scheel*

NCSEA Committees:

Code Advisory Committees:

Steering Committee: Ron Hamburger, chair

Seismic Provisions: *Martin Johnson*, chair, *Rafael Sabeli* voting member position

General Engineering, Materials, Wind and Other Loads and 1 & 2 Family Residence: *Steve Kerr*, member

Existing Buildings/Structural Retrofit: *David Bonowitz*, chair and *David Pomerleau*, members

Quality Assurance Provisions: *Art Dell*, member

Advocacy Committee: *Dave Adams*, member

Licensing: No SEAOC members listed

Continuing Education: *Dan Novak*, member

(Continued on Page 3)

Seminars To Be Held Dec. 5 & 12

The following Practical Design & Detailing (PD&D) Seminar and Dinner Meeting will be held Dec. 5 for the L.A. Chapter: Geotechnical Investigations: Report Contents, Jurisdictional Requirements and Changes with the 2007 Calif. Building Code by Martin B. Hudson,

Ph.D., G.E., Chief Engineer, MACTEC Engineering & Consulting; and Geotechnical Inspection During Construction: Protocols, Tests and Requirements by Calif. Building Code and Southern Calif. Jurisdictions by Martin B. Hudson, Ph.D., G.E., Chief Engi-

(Continued on Page 5)

L.A. Dinner Meeting

Wednesday, Dec. 5

Program: Part 3 of PD&D: Design & Application of Helical Anchors

Speaker: Kenneth Drake, Advanced Support Technology, Inc.

Location: Luminarias Restaurant, Monterey Park

Time: 5 p.m. Social Hour 6 p.m. Dinner 7 p.m. Program

Menu: Prime Rib of Beef. Vegetarian

available if requested by

Noon, Dec. 3.)

Cost: \$30 (Full-time student: \$15) (See blue insert for reservation form

and details.)

Orange County Dinner Mtg.

Wednesday, Dec. 12
Program: Part 3 of PD&D:
The 2006 IBC

Speaker: Dr. S.K. Ghosh, S.K. Ghosh & Associates

Location: Costa Mesa Country Club,

Costa Mesa
Time: 5 p.m. Social Hour

6 p.m. Dinner 7 p.m. Program

Menu: Buffet

Cost: \$30 (Full-time students: \$15) (See orange insert for reservation form and details.)

December & January Calendars

| DECE | MBER |
|------|------|
|------|------|

| | 4 | 4 p.m. | Existing Buildings Committee | Teleconference | | | |
|---------|----|-------------------------------|--|--|--|--|--|
| | 5 | Noon 3:30 p.m. 5 p.m. | Board of Directors Meeting LA Chapter PD&D Seminar LA Chapter Dinner | Luminarias Restaurant, Monterey Park Luminarias Restaurant, Monterey Park Luminarias Restaurant, Monterey Park | | | |
| | 6 | 6 p.m. | Sustainable Design Committee | Teleconference | | | |
| | 11 | 4 p.m. | Foundations Committee | Teleconference | | | |
| | 12 | 3:30 p.m. 5 p.m. | PD&D Seminar OC Chapter Dinner | Costa Mesa Country Club, Costa Mesa Costa Mesa Country Club, Costa Mesa | | | |
| | 13 | 1 p.m. 3 p.m. 5:30 p.m. | Testing Standards Committee Light Frame Performance Com. Disaster Emergency Cmte | SEAOSC Offices, Whittier SEAOSC Offices, Whittier Teleconference | | | |
| | 26 | Noon | February Newsletter Deadline | | | | |
| JANUARY | | | | | | | |
| | 3 | 6 p.m. | Sustainable Design Committee | Teleconference | | | |
| | 8 | 4 p.m. | Existing Buildings Committee | Teleconference | | | |
| | 9 | Noon 3:30 p.m. 5 p.m. | Board of Directors Meeting LA Chapter PD&D Seminar LA Chapter Dinner | Luminarias Restaurant, Monterey Park Luminarias Restaurant, Monterey Park Luminarias Restaurant, Monterey Park | | | |
| | 10 | 5:30 p.m. | Disaster Emergency Cmte | Teleconference | | | |
| | 15 | 2 p.m. 4 p.m. | Quality Assurance Committee Foundations Committee | SEAOSC Offices, Whittier Teleconference | | | |
| | 16 | 3:30 p.m. 5 p.m. | Tri-Counties PD&D Seminar Tri-Counties Chapter Dinner | Radisson Hotel, Santa Maria Radisson Hotel, Santa Maria | | | |
| | 22 | 12:30 p.m. 1 p.m. | Code Committee Lunch Code Committee Meeting | SEAOSC Offices, Whittier SEAOSC Offices, Whittier | | | |
| | 23 | Noon | March Newsletter Deadline | | | | |
| | 26 | 8 a.m. | Macro Seminar | The Grand Event Center, Long Beach | | | |

President's Message (Continued From Page 1)

By Fred Schott, S.E., P.E., SECB

Publications: John Kiland

Structure Magazine Editorial Board:

Case Representative:

John Mercer ND, Steven Schaefer OH and Stephen Schneider OR

NCSEA Representative:

Craig Barnes MA, Richard Hess (SEAOC) CA and Greg Schindler, WA

SEI Representatives:

Matt Salveson.CA Brian Leshko PA and Evans Mountzouris CT

Industry Representatives:

Dan Falconer ACI, Bill Liddy AISC and John Showalter AFPA

ICC International Code Council:

IBC-S International Building Code Structural Committee: Norm Scheel-western, James Robinson, southern US and no one for Eastern IEBC International Existing Building Committee: David Bonowitz?

IRC-BE International Residential Code Building & Energy Committee: currently no SE's

ICC ES Industry Advisory Committee: Ron Hamburger

SEI Structural Engineering Institute of ASCE

SEI Board of Governors: Rawn Nelson

SCC Structures Congress Committee: Rawn Nelson

BPAD Business and Professional Activities Division Committees:

Executive Committee (EXCOM): Rawn Nelson, chair

Business Practices Committee (BPC): Tim Frye, member

Professional Activities Committee (PAC): Carl Josephson and John Shipp, members

Public Relations Committee (PRC): *David Cocke*, chair

Design Practices Committee (DPC): *Brent Nuttall*, chair

BSSC Building Seismic Safety Council:

Scope and Format: *Bill Holmes*, chair, *Ron Hamburger*, *John Gillengerten*

General Design and Protective Systems: Charlie Kircher, Martin Johnson, Joe Maffei, corresponding members – Len Joseph, Gary Searer, Saif Hussain, Kit Miyamoto

Ground Motion Mapping & Geotechnical: *Tom Hale*?

Concrete: *Jack Moehle, Joe Maffei*, corresponding-*Rene Luft*

Masonry: John Kariotis & John Kiland

Steel & Composite: *Jim Malley*, chair – *Mark Saunders*, *Chia-Ming Uang*

Wood: Kelly Cobeen, chair, Rawn Nelson, Robert George, Fary Mochizuki, Jim Mahaney, Bob Chittenden

Non-building Structures and Non-structural Components: *Bob Bachman*

Special Task Groups:

Performance Criteria Task Group:?

Design Parameters: Bob Bachman, chair and Charlie Kircher

Foundations, Base Plates and Anchors: *Martin Johnson*, chair and *John Gillengerter*

On another matter, the Technical Sessions at the recent SEAOC Convention at Squaw Creek included 30 presentations plus 14 unedited papers. Many of these presentations/ papers do an excellent job of clarifying portions of the new codes or present methods of applying known technology to satisfy the new codes. There are a few new techniques for solving a particular class of problems where new equations are generated. The complexity of these equations is consistent with the complexity of most of the equations in the codes. This brings to mind a sentence in Ed Wilson's personal remarks in his 4th Edition of the "Static & Dynamic Analysis of Structures" where he quoted his freshman physics instructor's warning "do not use an equation you cannot derive". I doubt that many of us could derive most the equations we use to satisfy code requirements.

You cannot pick up and read any of the regular technical magazines without seeing at least one article bemoaning the fact that an increasing

(Continued on Page 5)

New Members

Fischetti, Ben; *Member;* Penfield & Smith, Santa Barbara; btf@penfieldsmith.com

Livermore, Jeremy David; Member;
DMJM H&N /AECOM, Orange;
Jeremy.Livermore@dmjmhn.aecom.com

Moon, Henry H.; *Member*; Moon & Associates, Los Angeles; henry@moon-associates.com

Moon, Samuel S.; *Member;* Moon & Associates, Inc., Los Angeles; sam@moon-associates.com

Peterson, Debra; *Member*; URS Cash & Associates, Huntington Beach; debra_Peterson@urscorp.com

Yip, Raymond Sau-Lok; Industry Member; iLevel Trus Joist Commercial, Irvine; Raymond.sau-lokyip@weyerhaeuser.com

Yu, Philip Junior; Associate Member; JCE Structural Engineering Group, Inc., Pasadena; Philip@jcesegroup.com



DOES SEAOSC have your current Email address?
Go to SEAOSC.org
and make sure.
It's vital!

Log in using your username and password (which appeared on your dues invoice).

In Memoriam

John K. Minasian

John K. Minasian passed away at his home in Dana Point Oct. 20 at age 94.

Born in Alexandria, Egypt, John immigrated to the United States at age 3. He was raised in New Jersey and attended the City College of New York. He moved to Los Angeles in 1935 and became a student at Caltech, earning a B.S. and M.S. in Civil Engineering.

After working during the war years for L.A. Water & Power and the Building Department, John established a structural engineering practice in 1947. He engineered many notable projects including the Space Needle for the 1962 Seattle World's Fair. He was appointed a member of the California Board of Civil & Professional Engineers and served as its president. He was also a professor of engineering at Cal State University, Los Angeles.

After living and working in Pasadena and Long Beach for many years, John retired to Orange County where he enjoyed reading history, keeping up with current events, and playing backgammon.

He is survived by his beloved wife of 68 years, Aurora, son Lawrence of Pasadena, daughter Brenda Carpenter of Long Beach, three grandchildren and two great grandchildren.

Seminars To Be Held Dec. 5 & 12 (Continued From Page 1)

neer, MACTEC Engineering & Consulting. Following dinner, *Introduction to Design and Application of Helical Anchors* by Kenneth B. Drake, Advanced Support Technology, Inc. will be presented.

The following PD&D Seminar and Dinner Meeting will be held Dec. 12 in Costa Mesa for the Orange County Chapter: *International Building*

Code (IBC) 2006 by S.K. Ghosh, Ph.D. and Susan Dowty, S.E. of S.K. Ghosh and Associates, Skokie, IL. They will speak on the subject for the entire afternoon and dinner sessions of the seminar.

Please use the enclosed registration flyers to register or go to www.seaosc.org for secure online registrations.

President's Message (Continued From Page 3)

number of engineers are totally dependent upon computers to give them answers to analysis/design problems where they have no idea whether the answer is within a mile of the correct solution. Professor Wilson's remarks regarding this problem are right on: "Do not use a structural analysis program unless you fully understand the theory and approximations used within the program" and

"do not create a computer model until the loading, material properties and boundary conditions are clearly defined".

We should all keep these marks in mind, particularly those of us who are mentoring our younger engineers.

See you next month.

Are We Having Fun Yet?

By Matt Jones, P.E., Peninsula Engineering Company; member of SEAOSC's Business, Operations and Practices Committee

Some of the most constructive changes I have made to my own business are when I am not having fun and ask myself why? Last month's article "Life Is Too Short For Bad Clients" by John O. Schuricht, S.E., and the list of "red flags" reminds us that the business of engineering is often times more about business than engineering. A good job begins with a good contract and the fun of structural design is realized as you witness a smooth progression from calculations to occupancy. Potential problems need to be discovered before you agree to provide engineering services. Discovery of "red flags" and screening jobs be-

comes especially critical for the success and satisfaction of providing a structural design. We should all make our engineering effort as fun as possible. Have you noticed good Businesses have good clients? I hope the days are gone that I agree to design a simple beam, only later to discover the beam is required to suppoert a complex combination of vertical and lateral loads. As you discover "red flags" you will likely lose jobs, but you won't lose the fun ones. As Henry Ford said, "Business is never as healthy as when, like a chicken it must do a certain amount of scratching for what it gets".

Legislative Committee Report

By Richard Hess, Chair, SEAOSC Legislative Committee

If you would like to "give back" to your chosen profession, and forge some networking links at the same time, consider the SEAOSC Legislative Committee.

Our State Legislators all belong to a number of committees. Of particular interest to SEAOSC are the Judiciary Committees (dealing with liability and contract law), Health and Human Services (hospital seismic safety), Labor and Industrial Relations (Senate) or Labor and Employment (Assembly) (dealing with personal service contracts), Business and Professions (BOPELS, licensure), Local Government (Public works contracts, design-build), Education and Higher Education (Field Act, school contracts,

design-build).

Our SEAOC liaison does an excellent job of keeping current with what is happening in our state legislature in Sacramento, but we also need the local touch. We need to let our representatives know that pending legislation is important to our populace. Educate them. Nurture them.

I have a list of local State Senators and Assembly Members who sit on these committees of interest. You can call me at (562) 799-9787 or go on-line at http://www.leginfo.ca.gov/yourleg.html to find your legislators by entering your zip code. Other legislature information, committee membership, statutes, bill information, publications, etc. can also be accessed at leginfo.ca.gov.

SEAOSC Disaster Emergency Services (DES) Committee Report

Keep Contact Info Updated!

In order for SEAOSC DES to call Safety Assessment Program (SAP) Evaluators for a post-disaster response, it is critical that evaluators update their contact information at the following sites:

- 1) SEAOSC: Go to www.seaosc.org, click on "Member Login." Note: Your login user name and password sppeared on your last SEAOSC invoice.
- 2) California Office of Emergency Services (OES): Go to www.oes.ca.gov, click on "Response" tab, and then "Safety Assessment Program" and then the "SAP Updates" link, and then finally "SAP Evaluator Update".

Be at the Ready

Get your "Go Pack" and deployment material ready. Look for the insert in this newsletter.

Oct. 11 and 13 DES Events

The SEAOSC DES committee had a successful teleconference meeting with several SEAOC SAP

Evaluators Oct. 11. The conference call covered post-disaster procedures, California OES updates, training events, and Urban Search and Rescue. Thank you teleconference participants for your valuable input and time.

Twenty individuals were trained at another SAP Evaluator Training Event Oct. 13. These individuals included Orange County sheriffs, engineers from San Diego and Santa Barbara, and even engineers from as far way as Nevada and Arizona. Doug Litchfield and Mikael Gartner would like to thank the participants for their time and commitment to the Post-Disaster Response Program.

For additional information about the SEAOSC Disaster Emergency Services (DES) Committee visit www.seaosc.org or contact Doug Litchfield, Chair at dlitchfield@mwdh2o.com . For the SEAOSC DES US&R subcommittee, contact Mikaël Gartner, Co-Chair at mgartner.structural@yahoo.com.

Structural Specialists Sought for Post-Disaster Response

The Urban Search & Rescue (US&R) Subcommittee of the SEAOSC Disaster Emergency Services Committee (DES) is seeking structural specialists (StS) for Los Angeles County (CA-TF2), Riverside County (CA-TF6), and Regional Task Force 4 (RTF4).

The FEMA Task Forces (TF) are a specially-trained and equipped 70-person Urban Search and Rescue Task Force consisting of Fire Department firefighters and paramedic rescue specialists, emergency room physicians, structural engineers, heavy equipment specialists, canine search dogs and handlers, hazardous materials technicians, communications specialists, and logistics specialists. This unique technical rescue team responds with prepackaged search and rescue tools and medical equipment to conduct around-the-clock search and rescue operations at domestic and international disasters, both natural and man-made.

An integral part of the US&R team is the structural specialist. The structural specialist provides technical assistance covering exterior evaluation, shoring, breaching/breaking, heavy lifting, and protecting the search team from dangerous structural conditions.

The FEMA Task forces have been involved with national disaster events such as Oklahoma City Bombing, World Trade Center, Northridge, Hurricane Katrina, and several other disaster events.

Regional US&R Task Forces (RTF) are local teams that are coordinated and managed by the California Office of Emergency Services and respond to local disaster events with the same equipment and capabilities as the FEMA Task Forces.

RTF 4 covers the Los Angeles area in the cities of Pasadena, Glendale, Burbank, Alhambra, San

Gabriel, San Marino, Arcadia, Monrovia, Monterey Park, South Pasadena, and Sierra Madre.

Engineers will be trained in rescue systems, including: structure type and damages, interior and exterior shoring, heavy equipment rescue, and breaching/breaking. For more information visit www.disasterengineer.org

Engineers interested in applying for the structural specialist position should have a minimum of 5 years experience in structural design, and be a licensed professional or structural engineer,

Currently there is a need for additional Structural Specialist personnel in the following three Southern California areas: LA County, Riverside County and the Regional Task Force 4 area. Interested applicants should forward their resume to the following contacts respectively:

Los Angeles County FEMA CA-TF2: Keith Martin, SE, StS (keithwmartin@sbcglobal.net)
Riverside County FEMA CA-TF6: Karl Sauer, PE, StS (karlsauer@yahoo.com)
Regional Task Force 4: Rodney Spears, SE, StS (rodneybspears@earthlink.net)
Long Beach USAR: James Underwood (james_underwood@longbeach.gov)
City of Vernon USAR: M Wilson (mwilson@ci.vernon.ca.us)

For additional information about the SEAOSC Disaster Emergency Services (DES) Committee visit www.seaosc.org or contact Doug Litchfield, Chair at dlitchfield@mwdh2o.com . For the SEAOSC DES US&R subcommittee, contact Mikaël Gartner, Co-Chair at mgartner.structural@yahoo.com.

YM Seeks Support for Job Fair, Scholarship Night

Message from the Chair

By Lucas Floriani, P.E.

With a fantastic year from YM coming to a close, our members and officers are gearing up for our events in 2008. This year we were able to accomplish many goals. Attendance at our meetings is up, our officer core has expanded to 12, we hosted six meetings, three field trips, and three social events, including a trip to Las Vegas.

Student Chapter Involvement

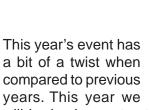
Two of the key goals established for our committee this year are progressing. With the appointment of four student liaisons, SEAOSC Young Members is really hoping to expand the involvement of our student chapters in our activities in 2008.

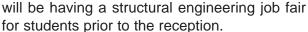
PD&D Involvement

Our second focus has been to get our more tenured members involved in SEAOSC's Practical Design & Detailing (PD&D) seminars. In 2008 we hope to have our members partner with our PD&D program in the hope of developing our technical trainers of the future.

Scholarship Night Wednesday, Feb. 6, 2008

This upcoming year, we hope our Scholarship Night will become one of the greatest ever. We have high hopes for the scholarship amounts and also for attendance. Please mark your calendars -- whether your are a practicing professional or a student -- to be part of this great night. We need as many students to come out as possible and network with their future employers, and we also want our professionals to come out in droves and make our student members feel welcome.





Job Fair Booth Info for SE Offices

If your office is interested in setting up a booth, please contact our scholarship coordinator as soon as possible as space will be limited. (Marco Ibarra: mibarra@bwsmithse.com, (213) 422-4184). Sponsorship of a job booth will be a great way to support our scholarship night and also interact with our students and your future employees.

Free Event for Students

The night is totally free for students, so mark your calendar and please join us. This is a great opportunity to rub elbows with professionals and learn about the career opportunities that await you upon completion of your degree. I look forward to seeing everyone of Feb. 6, 2008. Let's make this event a success.



Young Members (YM)Committee Thriving

CAL vs. UCLA football game

This past Saturday, October 20, was our first trip to an NCAA football game and what a treat it was. 31 SEAOSC Young Members came out to the event. The event began early in the morning with a tailgate prior to the game where our members had a change to relax, mingle, and take in the sun on a beautiful day in Pasadena, CA. At noon, our members headed into the game to watch a close battle that eventually ended with a victory for the home UCLA Bruins. SEAOSC YM Chair and CAL grad Lucas Floriani was a wreck, but the group had a great time. We are looking forward to an even larger event next year !!!!











FRF's First International Student Paper Competition in Honor of Prof. Mehdi Ghalibafian

Theme: Seismic Retrofit of Structures **Deadline** for Application Form & Abstract::

June 1, 2008

Deadline for Full Paper:

Sept. 1, 2008

Who can enter? Current graduate students or those who graduated during the past academic year.

The Fanni Reunion Foundation, Inc. (FRF) announces its First Graduate Student Paper Competition.

The FRF's objectives for this competition include: (1) To motivate graduate students and young professionals to produce original and noteworthy work that contributes to the betterment of human welfare.

- (2) To promote research and active involvement of students in the field of seismic retrofit of structures. Such research is of vital importance due to the fact that earthquakes have caused approximately half a million fatalities during the past decade and over 8 million fatalities during the past millennium.
- (3) To acknowledge the services of the Late Mehdi Ghalibafian, PhD, SE, an outstanding professor of Civil Engineering Department at *Fanni*, University of Tehran, and a respected professional and researcher in the field of seismic retrofit of structures.

The winner of the competition will be invited to present his/her paper at one of the FRF lecture series in Los Angeles. A \$1,000 cash award and a plaque of recognition will be presented to the winner in the annual FRF Gathering. Two other runner-ups will be recognized at the annual FRF gathering as Honorable Mention with a certificate. The extended abstract of the winning paper will

be published in the FRF newsletter and website, and any third party publication. Conditioned on release of copyright, the paper will be published in the FRF newsletter and website.

For information on the competition, visit: http://www.fannireunion.org

Have you visited SEAOSC's new website?

http://www.SEAOSC.org

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- CommercialHospitality
- > Residential
- > Institutional
- ➤ High-Rise
- AviationCivic/Justice
- > Retail
- Historic Structures
- High-Tech

Saiful/Bouquet (SB) is seeking talented and motivated self-starters to join our expanding team. If you're passionate about structural design, please contact us. Positions available at both the Pasadena Corporate Office as well as the new Newport Beach Branch Office. (Opening January 2008)

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Corporate Office: 385 E. Colorado Blvd., Suite 200 Pasadena, CA 91101 Branch Office: 20411 SW Birch Street, Suite 350 Newport Beach, CA 92660

W W W . S B I S E . C O M

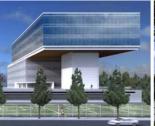




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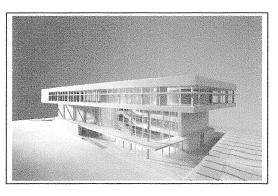
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Sr. Plan check Engineer **City of Santa Monica**

Annual compensation up to approximately 100 k, which includes a base salary of \$96,288 per year; and professional incentive pay (paid quarterly) + cashable leave days (paid at end of the fiscal year) equaling up to \$3,703 per year. The City participates in California Public Employees' Retirement System (CalPERS) with a 2.7%@55 retirement formula. In addition, the City participates in the Medicare portion of FICA only, and therefore there is no deduction made for social security. The position will also be eligible for a signing bonus (10% of base salary), pending City Council approval, and an annual performance bonus (up to 10% of base salary) based on the employee's performance

Description of Work: Reviews architectural and structural construction drawings, structural calculations and engineering reports for compliance with construction codes, local ordinances and state laws, and provides clear and understandable written responses related to review.

Requirements: Graduation from an accredited college or university with a Bachelor's degree in Architectural, Civil or Structural Engineering or a related field. Four years of recent, paid work experience in structural engineering or plan checking. Licenses and Certification: Possession of a valid Class C driver license. Registration as a Civil or Structural Engineer in the State of California. Certification as a Building Plans Examiner-UBC or Certified Building Official from the International Code Council (ICC) within one year from the date of hire. Deadline: Applications will be accepted on a continuous basis. Apply at: City of Santa Monica Human Resources Dept., 1685 Main St., P.O. Box 2200, Santa Monica, CA 90407. Phone: (310) 458-8697 or visit www.santa-monica.org/hr to apply online.



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- 7-10 years structural design experience in various building types
- 3-5 years experience in wood, steel, & concrete
- · Excellent communication & teamwork skills, and computer proficiency
- . California P.E. or S.E. preferred

Interested applicants should send resumes to: Ed Gharibans

e-mail: egharibans@tmadtg.com Fax: (626) 351-5319

please visit our website at: www.tmadtg.com

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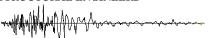






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Next
SEAOSC
Newsletter
Deadlines:
Dec. 26, 2007
for
February 2008
Issue

2007-2008 SEAOSC Officers and Committee Chairs

Get involved! Members and interested parties are invited to join a SEAOSC committee. Contact the chairperson for information on current projects and meeting times, dates and locations.

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