

*December 3rd Dinner Meeting Program, The City Club, San Francisco***Restoration and Renovation of San Francisco's Historic Ferry Building***Alan Kren of Rutherford & Chekene Consulting Engineers**by Jamison Curry, Program Committee Chair**A Message from the President***Code Secrets**

I would like to share with you what I consider the engineering community's best kept secret: "The purpose of the earthquake provisions herein is primarily to safeguard against major structural failures and loss of life, not to limit damage or maintain function" (Section 1626.1 of the 1997 UBC and 2000 CBC). Note the purpose is not to limit damage or maintain function.

How many of our clients are aware of this? My experience has shown that only the most sophisticated ones understand their buildings will be damaged and accept the risk. The others believe they are getting an "earthquake-proof" building. Little do they know that their building could perform just as designed, and yet be red-tagged following a major earthquake.

What about those essential facilities? The code defines essential facilities as "structures that are necessary for emergency operations subsequent to a natural disaster." The code assigns them an importance

*Continued on page 2*

If buildings could speak, then the Ferry Building at the foot of Market Street in San Francisco would tell a story of a young and ambitious city in a young and ambitious state. It would tell of its citizens and how they carried on through good times and bad, through a great earthquake and two world wars, through a great depression and times of great prosperity. It would tell of the building of bridges that crossed over the bay and tunnels that passed under it, of the rise of automobiles and freeways and how they nearly spelled its death, and of its own lost glory and its current rebirth.

This San Francisco icon and registered national landmark was commissioned by the State of California in 1892 to serve as a passenger ferry terminal and, after more than a century of use, has just undergone a complete renovation and restoration. It is due to open to the public in March of 2003. Key to its successful restoration was understanding the historic context of the building and the use of the California State Historic Building Code. From a structural engineering standpoint, this meant blending historic materials and building methods with modern materials and building methods in a way that would provide structural integrity while respecting the historic nature of the building. This was accomplished in part through the use of arched wall-frames and strengthened collector trusses, and even meant accepting discontinuous shear walls in order to maintain the historically open flow of the west arcade. It also required extensive testing and inspection of existing materials to determine their condition and properties.

Physical aspects of the building that make it interesting are its size: while only three stories tall, its foot print measures 152 feet by 660 feet, big enough for two football fields including end zones. Its 240 foot tall tower

*Continued on page 3**Meeting Notice***December Dinner Meeting  
December 3rd, 2002****The City Club**

155 Sansome Street, 10th Floor  
San Francisco

*Assembly 5:45**Dinner 6:30**Program 7:30*

Fax registration form on the back of this newsletter to the SEAONC office by  
**12 noon Friday, November 29th.**

*Continued from page 1*

factor (1.25 or 1.5). Does this ensure the building will remain operational? I don't think so! But that is what the code implies.

As keepers of the public trust, I believe it is our duty to stop hiding behind the language of the code and share with the public our "secrets" about the actual behavior of buildings designed to code. If we fail to educate the public now, we will pay dearly with our credibility as professionals later. Think of the scrutiny we will be under following the next major earthquake in a metropolitan area. Remember the World Trade Center. What will we tell the public when modern office buildings have to be evacuated, or when a home owner must vacate his home?

In the short term, we must make it a point to educate our clients about the realities of traditional seismic design. We must explain to them their choices so that they can make informed decisions about the costs and benefits of the seismic design. In the long term, we must revise the code to incorporate performance-based design which gives our clients clear choices as to the anticipated performance of their buildings. It is up to us to get the message out. No more secrets!

*by Steve Tipping, SEAONC President 2002-2003*

## **South Bay Dinner Meeting Wrap-Up Pre-Cast Hybrid Moment Resistant Frame**

*by Jamison Curry, Program Committee Chair*

Thanks to our October speakers, Al Fink of Charles Pankow Builders, Ltd. and Ray Lui of KPFF Consulting Engineers. This was the first of three planned South Bay SEAONC dinner meetings of the 2002-2003 season. Over 90 people were in attendance, including students from San Jose State University and Stanford.

Mr. Lui and Mr. Fink spoke about the Pre-cast Concrete Hybrid Moment Resistant Frame system (PHMRF). Mr. Lui began by describing the history of the PHMRF system, which has been tested at the University of Washington and at UC San Diego. The basic concept utilizes mild reinforcing steel with unbonded zones to provide a yielding mechanism for damping and energy absorption. Pre-stressing steel, which remains elastic, is used for system stability. Mr. Lui went on to describe the design process and some of the detailing requirements.

Mr. Fink then described some of the construction concerns and details for PHMRF's.

Many relatively new concrete reinforcing technologies are routinely incorporated. These include the use of Baugrid in lieu of column ties and HRC headed reinforcing in lieu of bars with standard hooks – both are meant to alleviate rebar congestion. Tolerances for placing column splices and reinforcing at beam-column connections are much stricter than normal ACI cast-in-place concrete tolerances, approaching the tolerances for structural steel.

Beams, which in many cases are also utilized as part of the exterior skin, are often poured in two stages – first an architectural concrete pour and then a structural concrete pour.

Mr. Fink and Mr. Lui then described three South Bay projects that utilized the PHMRF - Stanford Shopping Center Parking Structure, Stanford University Parking Structure 5, and Pacific Plaza Office Building in Daly City. More on these structures can be found in the October, 2002 SEAONC newsletter.

UC BERKELEY EXTENSION 1/2 PAGE AD

## New Structural Code Amendments to be Adopted in Bay Area Cities

The Tri-Chapter ICBO Code Committee, which represents cities from Monterey to Contra Costa Counties, has approved 18 structural amendments for adoption with the 2001 California Building Code. The trend recently has been to eliminate local amendments to the building code. However, the state of California decided to re-adopt the 97 UBC this year. This prompted the local building officials, working in tandem with the SEAOC Seismology Committee and other trade groups, to consider amending the structural provisions of the UBC.

Close to 30 proposals were evaluated and 18 were approved for adoption. They include such items as the 1997 AISC Seismic provisions for steel design, 1997 NDS for wood design, new drift criteria, wood diaphragms and clarifications of existing language in the code. Several cities, such as San Jose, have decided on adopting 9 of the proposals as amendments and the rest as interpretations, while others such as Walnut Creek, decided on adopting all 18.

For a complete listing of all 18 please see the SEAONC website: [www.seaonc.org/member/index.html](http://www.seaonc.org/member/index.html), under "In the News."

## EERI-NC December Meeting: O'Rourke, "Living Risk Model"

Tom O'Rourke will speak on "Critical Infrastructure and Lifelines: Lessons Learned from Recent Earthquakes and the World Trade Center Disaster" at the December 12th meeting of EERI's Northern California Chapter.

O'Rourke is Professor of Civil and Environmental Engineering at Cornell University and is President-Elect of EERI's international body. The December 12th chapter meeting, which is open to SEAONC members, will be at EBMUD in downtown Oakland.

SEAONC members are also invited to participate in a free workshop on risk modeling earlier that day, also at EBMUD. EERI-NC is bringing together resources from OES, CGS, and other experts and stakeholders to create a "Living Risk Model" for Northern California. The model will use consensus data and methods to generate updatable loss estimates for use by planners, researchers, local governments, and "risk owners."

Additional details on the December workshop and chapter meeting are available at the EERI-NC website, [www.quake06.org](http://www.quake06.org). SEAONC members may also contact David Bonowitz with questions.

## Bill Moore: In Memoriam

*Bill Moore, founder of Dames and Moore passed away on October 23. Below is his obituary.*

MOORE, William Wallace - Passed away peacefully at home in San Rafael, California on October 23, 2002 at age 90. He was born in Pasadena California where he attended Caltech and earned a BS and MS in Civil Engineering in 1933 and 1934, respectively and was a member of Tau Beta Pi. In 1938, he and Trent Dames formed Dames & Moore, a consulting engineering firm that, over 62 years, grew to be an international firm with over 100 partners and 6,000 employees. Initially, the firm specialized in geotechnical engineering; since the 1970's the firm expanded services to environmental engineering and applied earth sciences. Mr. Moore excelled at serving clients by developing technical solutions to their engineering problems. He was also a leader in teaching and practicing ethical and professional conduct in all aspects of his business. Over his career he was honored with numerous awards and served on many boards and advisory committees including the National Academy of Engineering. He was also President of the Structural Engineers Association of California (1947), the San Francisco section of the American Society of Civil Engineers (1958), the American Consulting Engineers Council (1964) and International Federation of Consulting Engineering (FIDIC) (1970). His technical interests included soil mechanics, foundation engineering and earthquake engineering. His avocation was boating on San Francisco Bay.

Mr. Moore is survived by his adored wife of 69 years, Genie, daughter Susan and husband Ken Orrett, son Bill and wife Sandy and son Roy and wife Elaine, brother Walter Moore of Sedona, Arizona and grandchildren Lucy Mantilla, Julie Ann Weiss, Tricia Meyer, Elaine Moore, Billy Moore, Ben Moore, Michael Moore, Ryan Moore and great grand children Louisa Fernanda Mantilla and Marcela Renee Mantilla, and Cailin Blue Moore.

Contributions in his memory can be made to California Institute of Technology, Pasadena California or the American Heart Association, 1710 Galbreth Rd., Suite 100, Burlingame, CA 94010-1311.

## Draft Outline of the NEES Consortium Posted for Public Review and Comment

A Draft Outline of the NEES Consortium has been posted at <http://www.nees.org> for public review and comment until December 31, 2002. The active participation of all interested members of the earthquake engineering community is sought, both in this step of the initial structuring of the organization and soon as members in the NEES Consortium itself. For a more detailed description of NEES, go to [www.nees.org](http://www.nees.org). You can review the document and enter your comments.

NEES, the George E. Brown, Jr. Network for

Earthquake Engineering Simulation, is a major new program of the Engineering Directorate of the National Science Foundation. Under an award from NSF, CUREE, the Consortium of Universities for Research in Earthquake Engineering, is conducting the NEES Consortium Development Project. It is anticipated that membership in the new consortium will be available as of the time of the February 5-8, 2003 EERI Annual Meeting. EERI will organize the First Annual Meeting of the NEES Consortium, which will take place May 22-23, 2003.

## December Program

*Continued from page 1*

is built of concrete, steel, and wood, and its massive monolithic plain concrete deck built over the bay is supported by over 2000 wooden piles sunk in the mud. Dynamic analysis was used to determine how these disparate elements interacted, and then ca-

capacity methods were used in designing critical portions of the lateral system. Collaborating with Rutherford & Chekene as project structural engineers was Structural Design Engineers, Inc. The project architect was Simon Martin-Vague Winklestein Moris.

Alan Kren is an Associate at Rutherford & Chekene.

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## **BUSINESS FORUM DECEMBER PROGRAM:**

### **HAVE YOU BEEN GOOD THIS YEAR ?**

*A Roundtable Discussion of 2002 Best Management Practices*

**Date:** Wednesday, December 18, 2002  
**Time:** 12:00 – 1:30 p.m., Lunch/Program  
**Place:** City Club, Bechtel Room, 9th Floor  
155 Sansome Street  
San Francisco, California

**Facilitator:** Kathryn Sprankle, Sr. Vice President of ZweigWhite and co-leader of PSMA San Francisco Chapter

**Meal Choice:** Chicken, Beef, or Pasta

Please join us for our first joint meeting with PSMA (Professional Services Management Association). PSMA is a national organization with the goal of fostering development of leaders and managers in the A/E industry. We are inviting PSMA local chapter members to join us for this roundtable discussion about growing trends in all areas of practice management, including operations, project management, human resources, marketing, and finance. Kathryn Sprankle, co-leader of PSMA San Francisco Chapter, and Senior Vice President of ZweigWhite will give us a snapshot of the A/E industry's best management practices in 2002, drawing from ZweigWhite's "2002 Successful Firm Survey." We can then share our own success stories for this year. Kathryn Sprankle will facilitate this discussion.

As consulting firm leaders and managers look toward 2003 and beyond, this is a great opportunity for them to meet their counterparts in the A/E industry, to have candid discussions about their success stories, and to learn from each other's experiences.

This will be a very thought-provoking and stimulating discussion, promising lots of inspirations for 2003.

We encourage you all to attend this meeting to welcome the PSMA members. Space is limited, so reserve early!

**Make reservations by calling the SEAONC office (415-974-5147) by noon, Monday, December 16, 2002.**

**Cost:** \$20.00 Business Forum Member  
\$30.00 Non-Business Forum Member

*Join the Business Forum and save \$10.00 a month on the luncheon! Yearly dues is \$150 for firms of six or more employees and only \$75 for firms of five or fewer employees. Call the SEAONC office directly at 415/974-5147 to join. This is an opportunity to join a committee whose only requirement is that you eat a great lunch each month with us and receive some good information about running your business.*

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## **New Business Forum Subcommittee: Small Business Group (SBG)**

*by Mehri Ansari, SEAONC Director, and Constantine Shuhaibar, SEAONC Director, SBG Chair*

SEAONC is pleased to announce the formation of a new subcommittee of the Business Forum: The Small Business Group. Members of this subcommittee shall be Business Forum small firms, defined as firms with no more than 10 full-time employees. The formation of this subcommittee is a result of the unique makeup of the current SEAONC Board of Directors: Three board members (Ansari, Robinson, and Shuhaibar) are principals of small firms.

**GOAL:** To provide a venue for small member firms to exchange ideas and develop their practice.

Through roundtable discussions, representatives of small firms can exchange ideas and share experiences regarding business and professional issues specific to small structural engineering firms. Topics may range from technical discussions to business management and financial survival, as well as challenges specific to small firms. Example topics include: Business Management for Small Design Firms; Topics in Legal Issues (such as Business Form, Proposal Writing, and Important Points in Writing Contracts); Types of Insurances Required for Small Practitioners; Financial Issues (such as Bookkeeping and Taxes for Small Design Firm), and Hiring Issues.

A secondary goal is securing discounts on software packages,

medical insurance, and other items where collective bargaining is beneficial.

Meetings will be held every other month at the Mechanics Library (56 Post Street, 4<sup>th</sup> Floor Conference Room) in San Francisco.

The next meeting is scheduled for Monday December 2, 2002 from 12:15pm to 1:15pm.

If you have any questions or comments, do not hesitate to contact Mehri Ansari at 415/348-8948 or Constantine Shuhaibar at 415/986-8400.

### **CSI GIVES A BREAK TO SMALL FIRMS**

Computers and Structures, Inc. has agreed to give a substantial discount to small structural engineering firms who are members of the SEAONC Business Forum for purchase or upgrade of all of their software. Small firms are defined as firms with fewer than 10 full-time permanent employees. This is a limited offer and will expire on February 28, 2003. If you are interested please contact the SEAONC office for further information, at seaonc@ix.netcom.com, or 415/974-5147.

*Repeat Ad for  
Computers and Structures*

# Bulletin Board

## FIRST CALL FOR PAPERS: STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA 2003 CONVENTION

The **Structural Engineers Association of California (SEAOC)** issues this Call for Papers for the 2003 Annual Convention. The Convention will be held September 18 through 20 at the Resort at Squaw Creek in the Lake Tahoe area of Northern California.

**"FROM RESEARCH ... TO PRACTICE"** has been chosen as the theme for the Technical Program. Emphasis will be placed on the technologies of structural engineering research and testing which have been incorporated into structural engineering practice. This will include research and testing that was originated, developed, or verified by universities, or private research, and testing programs. Subjects may include analysis and design methods, structural member connections, or seismic force-resisting systems, to name a few. Also welcome are case studies of the implementation of these technologies in seismic retrofit, new building, or bridge projects.

In addition to the Technical Program, the SEAOC Business Forum will conduct a four-hour program at the 2003 SEAOC Convention. They are currently soliciting a Call for Papers on the topic of **"THE BUSINESS OF STRUCTURAL ENGINEERING"**.

Interested presenters should submit a brief abstract of their paper (300 words or less, on a single side of one 8-1/2 x 11 page). The deadline for receipt of abstracts is on or before March 1, 2003. Please indicate whether it is your desire for the paper to be presented to the audience during the Technical Sessions or for it to be displayed at the Poster Sessions.

Please submit hard copy abstracts to:

Technical Program

SEAOC 2003 Technical Program Committee  
P. O. Box 2590  
Fair Oaks, CA 95628

Business Forum

SEAOC 2003 Business Forum  
P. O. Box 2590  
Fair Oaks, CA 95628

For questions, contact:

Technical Program

Tom H. Hale, Technical Program Chair  
Phone: 916-654-0360  
FAX: 916-654-2973  
E-mail: thale@oshpd.state.ca.us

Business Forum

M. Todd Thorp  
Phone: 916-788-7171  
FAX: 916-788-7474  
tthorp@bbse.com

The Technical Program Committee and Business Forum will review the abstracts, and authors will be notified by April 1, 2003 of acceptance. Final papers by selected authors shall be submitted no later than July 1, 2003. Detailed instructions for the paper format will be sent to the authors upon notification of acceptance.

Please note: All papers presented at a Technical, Business, or Poster Session will be published in the *SEAOC 2003 Convention Proceedings*. All speakers presenting papers to the audience should be prepared to utilize computer word processing and presentation software required by the Convention Committee.

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## DeSimone Consulting Engineers Announces Key Additions to SF Office Management Team

DeSimone Consulting Engineers (DCE), one of the premier structural engineering firms in the country, is pleased to announce that they have named Ronald M. Polivka, Ph.D., P.E. as Principal and Managing Director for their San Francisco office. In addition, Niaz A. Nazir, Ph.D., S.E. has joined the office as Principal and Project Director responsible for overseeing all engineering projects.

Dr. Polivka received his Doctoral degree from UC Berkeley in Structural Engineering & Structural Mechanics, and has 26 years of experience in seismic and structural analysis and design, as well as in operational and risk management. Prior to joining DCE, he was Sr. Vice President with ABS Consulting / EQE International, where



Ronald M. Polivka



Niaz A. Nazir

he served as Managing Director of Corporate Marketing for their 1,100-person organization with \$140M in annual revenues. He is a Fellow of the American Society of Civil Engineers and has been a Member of SEAONC since 1983.

Dr. Nazir received his Doctoral degree from UCLA, specializing in seismic and structural

design, and has over 16 years experience in new design, seismic rehabilitation, historic preservation, peer reviews and expert witness. Prior to joining DCE, he was Technical and Group Manager for ABS Consulting / EQE International's regional headquarters office in Oakland, CA and managed their design group in the areas of both technical management and business development. He is member of several professional engineering committees and also teaches courses on seismic analysis and design at UC Berkeley Extension.

DeSimone Consulting Engineers' San Francisco office was established in 1991. The 125-person firm, founded in New York City in 1969, also has a major office in Miami.

# Soft Stories, Hard Buildings

by David Bonowitz, Existing Buildings Chair

You might have seen the blue insert in last month's newsletter announcing a seminar in Sacramento about the 2000 GSREB. If your first reaction was, "GSRE-What?," then the good news is you're not alone.

The even better news is that SEAONC's Existing Buildings Committee offers a great opportunity to get to know the *Guidelines for Seismic Retrofit of Existing Buildings*, the successor to the UCBC.

In fact, the next EBC meeting, December 11 in downtown Oakland, will include a presentation and discussion of GSREB Chapter 4, which deals with "Soft, Weak or Open-Front" wood frame buildings. The EBC is writing a commentary on that chapter to be published next year by SEAOC.

Not into soft stories? We also have active subcommittees working with nonductile concrete (GSREB Chapter 5) and pre-Northridge steel frames (FEMA 351 & 352). We even have a subcommittee that's just trying to track the growing list of rehabilitation standards and guidelines. This might be a good place to start if you don't know the difference between, say, FEMA 356, ASCE 31, and Division VI-R.

In addition, the EBC is planning special presentations for upcoming meetings. In January, we will hear about methods to harden existing buildings for blast resistance. In February, we will get into code and permit issues related to house retrofits.

## ICE SKATING WINTER SOCIAL

by Laura Yamaguchi, YMF Chair

SEAONC YMF will be holding our winter social jointly with ASCE and EERI this year on Wednesday night, December 11th, from 6:30 to 9:15 pm, at the Yerba Buena Ice Skating Rink! All SEAONC members are encouraged to join the fun, and to bring along friends, family, co-workers, and other guests to party! Even if you don't skate, come out for the food and entertaining company. YMF will pay for all SEAONC young members up to 34 years of age, and everyone else will be asked to pay \$10 to cover a portion of their food and ice skating costs.

To RSVP for yourself and guests, RSVP by Monday, December 2nd to the SEAONC office by fax at 415-764- 4915, phone at 415-974-5147 or by e-mail at seaonc@ix.netcom.com. An additional \$5 will be charged for people responding after the RSVP date, so RSVP early so you don't forget! Payments, checks preferred, will be accepted at the door that night. If you have any questions please e-mail me at lauray@tippingmar.com.

The YMF Design Forum will be held immediately before the December 3rd Monthly dinner meeting. Walterio Lopez will be discussing steel-braced frames. All young engineers are encouraged to participate in this talk organized by YMF and the Continuing Education Committee.

## New Members

### Life Corresponding

Linda Hillman  
*Code Consultant*

### Member SE

Eric Anderson  
*Wiss, Janney, Elstner*  
Craig Cole, Principal  
*Degenkolb Engineers*

### Associate

Chee-Hoang Goo, Engineer  
*Rinne & Peterson*  
Jason Krolicki  
*Rutherford & Chekene*  
Nicolas Luco, Analysis Engineer  
*Air Worldwide Corporation*  
Camden O'Toole, Structural Engineer  
*Carollo Engineers*  
Lawrence Wong, Designer  
*Degenkolb Engineers*

### Corresponding

James Brzezinski, Senior Engineer  
*Ryan-Biggs Associates*

### Industry

David Bellinger, Project Sales Rep.  
*Sika Corporation*

## Committee Chairs

### Business Forum

Reinhard Ludke  
415/834-2010 Ext 3003  
rludke@cdengineers.com

### Bylaws

Vincent deNevers  
415/421-0375  
cvdenevers@tdnl.com

### Computer Applications

Satinder Singh  
510/465-3977  
spsingh@pacbell.net

### Construction Quality Assurance

Art Dell  
415/989-9900  
adell@soha.com

### Continuing Education

Julia Hunting  
415/989-1004  
julia\_hunting@kpff.com

### Disaster Emergency Services

Joe Zsutty  
408/298-9018  
jzsutty@aol.com

### Existing Buildings

David Bonowitz  
415/771-3227  
dbonowitz@mindspring.com

### Legislative

David Wilson  
415/834-2010  
dwilson@cdengineers.com

### Professional Practices

Bill Andrews  
510/433-9370  
andrews@dassee.com

### Program Chair

Jamison Curry  
510/740-3200  
jcurry@ruthchek.com

### Public Affairs & Membership

Derrick Roorda  
415/398-5740  
droorda@de-simone.com

### Public Relations

Mehri Ansari  
415/348-8948  
mehri@ansariinc.com

### Seismology & Structural Strds.

Rafael Sabelli  
415/243-8400  
sabelli@dassee.com

### Website

Darrick Hom  
510/272-9040  
dbhom@degenkolb.com

### Young Members Forum

Laura Yamaguchi  
510/549-1906  
lauray@tippingmar.com

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**Ahearn, Knox & Hyde, Inc.** is a medium size structural firm in San Jose providing design services to the bay area for the past 32 yrs. We are looking for a self-motivated engineer with a minimum of 5 yrs. of experience in analysis & design of various types of buildings. We offer a very good benefits package along with SEP IRA plan, all fully funded by the firm. Salary is competitive & commensurate with experience & skills. Superb working conditions with congenial atmosphere. Fax résumés to 408/267-7919 or e-mail [hyde@akhse.com](mailto:hyde@akhse.com).

**Biggs Cardosa Associates** has an immediate opening for a structural project manager for its San Jose office. Minimum of 15 years experience in building design and a California SE required. Visit our website at [www.biggs-cardosa.com](http://www.biggs-cardosa.com) for more info and to apply. EOE.

**DeSimone Consulting Engineers (DCE)** has immediate openings in our San Francisco office for outstanding PEs or SEs with excellent communication skills and experience in new design and seismic rehabilitation of existing buildings. We offer a competitive benefits package and a great work environment. Please fax resume to Ron Polivka at 10 United Nations Plaza, Suite 410, San Francisco, CA 94102 (415/398-9834) or e-mail to: [rpolivka@de-simone.com](mailto:rpolivka@de-simone.com)

**Forell/Elssesser Engineers**, an award-winning structural/civil engineering firm, offers outstanding career opportunities to engineers and CAD drafters with all levels of experience who seek a dynamic, challenging and rewarding work environment ([www.forell.com](http://www.forell.com)). Work on exciting projects and collaborate with innovative design engineers. We offer an unparalleled salary & benefits package, including employer matched 401(k), pension and incentive compensation plans. Contact: Jim Guthrie, 160 Pine St. #600, San Francisco, CA 94111; fax 415/837-0800 or [jim@forell.com](mailto:jim@forell.com)

Structural designer position available with a Modesto based structural consulting office. 3 years experience in designing concrete, CMU, steel, and wood structures. Must have good communication skills and be conversant in AutoCad, SAP 2000, ETABS. Send résumé to **Lawder Engineering**, PO Box 3206, Modesto, CA, or fax to 209/521-1166.

**RPSE**, [www.rpse.com](http://www.rpse.com), in business since 1960, has a long AND successful track record of innovative and creative structural solutions. Projects range from relocating historic buildings to retrofitting health care facilities. Our name is well known for quality – something we earned via our quality team members. If your strengths include communication and critical thinking, e-mail: [sharonberman@rpse.com](mailto:sharonberman@rpse.com) or fax cover letter and resume to HR-Sharon, 650/428-2861.

**Structural Design Group of Santa Rosa**, is looking for a highly motivated, technically skilled engineer looking for a leadership position in an exciting young firm. Associate position available for a bright, creative individual with 2 years minimum design experience in educational facilities, low rise commercial, or residential structures. We offer unlimited opportunities for career advancement and an excellent salary/bonus/benefit package. Please fax résumé to 707/284-3646 or e-mail: [RichB@s-d-g.net](mailto:RichB@s-d-g.net)

**ABS Consulting** (aka EQE) has opportunities for a talented structural Project Manager with 10+ years experience in all types of building designs and retrofits. Ideal candidates must possess a PE license, SE desirable. Candidates with interest in marketing, growth and involvement in management and operations are highly encouraged to apply. ABS is ENR top 200 Structural Eng. firm, offers a competitive compensation package. E-mail resume to [owaqfi@absconsulting.com](mailto:owaqfi@absconsulting.com) or fax to 510/663-1046

**Ansari Structural Engineers, Inc.**, a growing consulting firm in SF, seeks a project manager with min. 10 yrs of experience in design of steel and concrete buildings & S.E. license. Excellent analytical and communication skills are required. We offer excellent growth opportunities, flexible schedule, and competitive benefits in a friendly atmosphere. Our projects are challenging & exciting. They include retrofit of historic structures, design of medical and institutional facilities. If interested email your resume to: [mehri@ansariinc.com](mailto:mehri@ansariinc.com) or fax to Mehri Ansari @ 415/348-8947

**Bechtel National Inc**, the Government focused group of this world premier engineering, construction and project management company, is seeking structural engineers with MS degrees and 2 to 5 years of experience for assignments in their San Francisco

office. Candidates should be self-motivated, and have good writing, communication and presentation skills. Experience in nuclear waste facilities and power plants is a plus. Computer program proficiency in GTSTRUDL and other structural programs is required. Bechtel offers outstanding career opportunities with competitive salaries and excellent benefits. Applicants must have the right to work and remain in the United States. There is no relocation available for these positions. Please e-mail your resume with salary requirements to [bsiistaf@bechtel.com](mailto:bsiistaf@bechtel.com), EOE

**E.A. Bonelli + Associates, Inc.**, a medium size A & E firm seeks structural design engineers. Entry level to 5+ years experience with BSCE minimum with CA. PE a plus. If you are interested in a growing firm with excellent opportunities for development and advancement and working on challenging Light Industrial projects of various types. Send resume to 8450 Edes Avenue, Oakland, CA. 94621 or fax to 510/ 740-0160, attn Structural Department.

**Kitchell Structural and Civil Engineers:** If you are looking for a challenging, rewarding and lucrative career opportunity, you will want to join our team of talented professionals! For over 50 years, Kitchell has remained one of the nation's top General Contracting, Program/Construction Management and Technical Support Services providers for public sector projects including, municipal office, court, police, fire and detention facilities, theatres and performing arts centers, health care facilities, civic centers, parking structures, sports facilities, museums, and educational facilities. We are currently seeking CA registered Structural and Civil Engineers to join our Sacramento Technical Support Services team. These positions are excellent opportunities to exercise your talents while working with seasoned industry professionals in a growth oriented and challenging team environment. The ideal candidates will have a minimum of 5 years structural and civil design experience of buildings, and the ability to perform site evaluations, code/design reviews and value engineering studies. Additional requirements include, exceptional writing, verbal and presentation skills, AutoCAD proficiency and the ability to function effectively without close supervision. We offer excellent benefits including, health, dental, vision, 401K, P/S and more. Our corporate culture is very team oriented, focus on stability and longev-

## Job Forum, continued

ity. Please send resume and salary requirements to: Kitchell, Attention: Denise Silverman-Rhyne, 2750 Gateway Oaks Drive, Ste. 300, Sacramento, CA 95833, email: [dsilverman-rhyne@kitchell.com](mailto:dsilverman-rhyne@kitchell.com), Fax: 916/648-6534. For more information, please visit: [www.kitchell.com](http://www.kitchell.com) EOE

**Lionakis Beaumont Design Group Inc.**, largest A/E firm in the Sacramento region, presents an exceptional career opportunity for a qualified Structural Engineer and Drafter. We are a progressive, award-winning, multi-discipline A/E firm offering opportunities in diverse market types, flexible work environments and great studio teams. We offer excellent benefits & competitive salaries. Structural Engineer - Minimum 2-years experience in structural design and detailing of buildings required. California CE, SE preferred. Strong communications/teamwork skills essential. Structural Engineering Drafter - Minimum 6-years experience drafting single and multi-story buildings that utilize a variety of construction materials. If qualified, please forward a cover letter referencing this ad along with your resume to [jobs@lbdg.com](mailto:jobs@lbdg.com) or Fax to 916/558-1919. Visit our website at [www.lbdg.com](http://www.lbdg.com) to see the exciting project types we design and the unique employment environment we have created. EOE.

**OLMM Consulting Engineers** ([www.olmm.com](http://www.olmm.com)) is a reputable structural engineering firm with offices in Oakland and San Francisco. The success of our strategic plan and the diversity of our projects have contributed to continued strong business. We have opening for a Senior Structural Engineer in our Oakland office. The position requires SE license and minimum 6 years of responsible experience in the analysis and design of major building structures. We offer top compensation package, excellent opportunity for growth, challenging projects, and a great place to work. Come join us and make a difference! Mail resume to 1404 Franklin Street, #350, Oakland, CA 94612, attn: Alyssa; or e-mail to [Alyssa@olmm.com](mailto:Alyssa@olmm.com).

### Job Forum Insertion Fee:

\$150 up to 450 characters/spaces  
\$15 for each 45 characters/spaces thereafter. All job forum ads will be posted on the SEAONC web site.

## Posting for Membership

### Member SE

Kung-Kay Chiu, Structural Engineer  
Bounmy Soumountha, Sr. Plns. Exmnr.  
*City of Santa Clara*

### Member

Sonny Au, Staff Engineer  
*Biggs Cardosa Associates, Inc.*  
Randy Collins, President  
*FTF Engineering, Inc.*  
Philip Doody, Staff Engineer  
*Mesiti-Miller Engineering, Inc.*  
Nathan Ingraffea, Staff Engineer  
*Simpson, Gumpertz & Heger*  
Robert Miller, Project Engineer  
*KPFF Consulting Engineers*  
Prasad Nallamothu, Plans Examiner  
*City of Santa Clara*  
Robert Riley, Engineer III  
*Mesiti-Miller Engineering*  
Jeff Schalk, Engineer  
*ZFA Structural Engineers*  
Lisa Steffens, Design Engineer  
*Hohbach-Lewin*  
Mark Tobin, Engineer  
*Forell/Elsesser Engineers*  
E. Leroy Tolles, Principal  
*ELT & Associates*

Eric Walter, Plan Check Engineer  
*City of Napa*

### Associate

Robert Fong, Structural Designer  
*Adamo & Associates*  
Suzanne Gutierrez, Intrmd. Dsgn. Engr.  
*VP Buildings*  
Arne Halterman, Designer  
*Degenkolb Engineers*  
James Jernigan, President  
*Jernigan Engineering, Inc.*  
Tatsuya Kiguchi, Designer/1 year  
*Tipping Mar + Associates*  
Joe Kon, Assistant Engineer  
*Peoples Associates*  
Anna Lang, Structural Designer  
*Tipping Mar + Associates*  
Jacqueline Miller  
*Trus Joist*  
Carlos (Marc) Ramirez, Project Engr.  
*KPFF Consulting Engineers*

### Student

Jason Atwood, Graduate Student  
*Univ. of Nevada, Reno*  
Patxi Uriz, Graduate Student  
*Univ. of California, Berkeley*

**Reminder: January Newsletter Deadline: Tuesday, December 10, 2002**  
submit to: [seaonc@ix.netcom.com](mailto:seaonc@ix.netcom.com)



Saiful/Bouquet Inc., an award-winning, dynamic structural engineering firm, is seeking motivated structural engineers with excellent technical, teamwork, and communications skills at all levels. Engineers who are technically skilled, open-minded and service oriented will find tremendous career growth potential in our fast-growing office.

Multiple positions are available for engineers with 0 to 20 years of experience in the following areas:

- Local concrete, steel and wood design of new buildings and seismic strengthening
- Conventional to cutting edge computer analysis (SAP, ETABS, RAM, nonlinear analyses)
- DSA and OSHPD experience
- Building Investigation/Assessment

Please visit our website at [www.sbise.com](http://www.sbise.com) for an overview of our projects and practice. Fax or email your resume to:

Mehran Pourzanjani  
[mehran@sbise.com](mailto:mehran@sbise.com)  
(626) 304-2676

## SEAONC NEWS DISPLAY ADS

Full Page	\$900/mo.
2/3 Page	\$600/mo.
1/2 Page	\$480/mo.
1/3 Page	\$360/mo.
1/4 Page	\$270/mo.
1/6 Page	\$225/mo.

**Rates are for finished camera-ready black and white ads. Full payment is required at time of insertion order. For advertising contract, specifications, and special rates for running an ad multiple months, contact the SEAONC Office at [seaonc@ix.netcom.com](mailto:seaonc@ix.netcom.com)**

upcoming events

DEC

- 2 Small Business Group Meeting
- 3 San Francisco Dinner Meeting/YMF Design Forum
- 11 Ice Skating Winter Social
- 18 Business Forum Luncheon

Registration

**Structural Engineers Association of Northern California  
DECEMBER 3rd SEAONC DINNER PROGRAM, SAN FRANCISCO CITY CLUB**

5:45 PM  
General Assembly

6:30 PM  
Dinner

7:30 PM  
Program

Location:  
**The City Club**  
**155 Sansome Street**  
**10th Floor**  
**San Francisco**

**BART:**  
**Montgomery Street**  
**Exit**  
**San Francisco**

If no label is shown above, or for guests, please fill in the form below.

NAME \_\_\_\_\_

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE \_\_\_\_\_ FAX \_\_\_\_\_

**RSVP by fax to: 415/764-4915** or phone: 415/974-5147  
Make check payable to **SEAONC** and bring with you to the door.

**Deadline for pre-registration: 12 noon, Friday, November 29, 2002**  
Dinner and program reservations are limited. Register early! No cancellations after 12 noon, Friday, November 29, 2002. *No-shows will be invoiced. Tickets not claimed by 6:45 p.m. on the night of the event are subject to being sold. Note: Individuals with outstanding monthly meeting balances are required to pay in advance for a meeting reservation and pay all outstanding monthly meeting invoices.*

<b>COST:</b>	<b>PRE-REGISTERED</b>	<b>LATE REGISTRATION</b>
SEAONC Member	<input type="checkbox"/> \$34	<input type="checkbox"/> \$39
Junior Mbr (29 and under)	<input type="checkbox"/> \$28	<input type="checkbox"/> \$33
Non-Member	<input type="checkbox"/> \$39	<input type="checkbox"/> \$44
Student	<input type="checkbox"/> \$15	<input type="checkbox"/> \$15

← NOTE: New prices, and new age for Junior Member