

A Message from the President**Dialogue Started**

When was the last time you had to respond to plan check comments? Was it a frustrating experience? Did you feel that many of the questions were asked only to boost the ego of the plan checker and to make them look like they were doing a thorough job? What about that complex project that had no comments- did you get the feeling that no one even looked at it? And what about the other engineer's project that was reviewed in a few days while your project took weeks. Why all these inconsistencies?

Now that we are done venting about the frustrations of dealing with plan

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April 8th South Bay Dinner Meeting Program, Michael's at Shoreline

**BART Seismic Standards –
Recent and Future Projects
Tom Horton, BART**

by Jamison Curry, Program Committee Chair

On April 8th, another South Bay Dinner meeting will be held at Michael's at Shoreline in Mountain View. The speaker will be Mr. Tom Horton of Bay Area Rapid Transit (BART), who is BART's Group Manager for the Seismic Retrofit Program (SRP).

During the past 15 years, BART's seismic standards for new construc-

April 1st Dinner Meeting Program, The City Club, San Francisco

**Degenkolb Forum-
Earthquake Engineering for
Transportation Structures
Past, Present, and Future**

**Dr. Joseph Penzien, International Civil
Engineering Consultants, Incorporated**

by Jamison Curry, Program Committee Chair

The Structural Engineers Association of Northern California dedicates its meeting each April as The Degenkolb Forum, an annual tribute to Henry J. Degenkolb for his half-century battle to subdue destructive earthquake forces through Structural Engineering. The month of April was chosen



Dr. Joseph Penzien

with obvious reference to the 1906 San Francisco Earthquake and Fire.

The post-earthquake disaster site was Henry Degenkolb's laboratory: "The true test of our work is to see how it performs under the stresses for which it was designed." From the outset of his career in the 1930s to his death

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tion have evolved rapidly, in order to incorporate new knowledge. BART's current Seismic Retrofit Program has also required development of seismic standards for retrofit. The presentation will present recent and future BART projects and show how the

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April SEAONC Meetings

* **April 1st, 2003**
The City Club
155 Sansome Street, 10th Floor
San Francisco

* **April 8th, 2003**
Michael's at Shoreline
2960 N. Shoreline Boulevard
Mountain View

**Fax Registration form on back page to
SEAONC office by:**

S.F. Mtg.: 12 noon Fri., March 28

S. Bay Mtg.: 12 noon Fri., April 4

Paper or Plastic?

by Kevin Moore, SE

When the grocery store bagger asks a customer “paper or plastic?” the customer usually replies “Paper,” “Plastic,” or “Whatever.” “Whatever” may be an appropriate response for an inconsequential decision, but this languid response should not be an option when considering the performance of a multimillion dollar building. Yet, how often does an owner request a dual system rather than a perimeter EBF? How often do structural engineers ask the owner which structural system they prefer? As for the grocery store, the owners are concerned enough about customer satisfaction to present options and empower the consumer with the opportunity to make a choice.

How can we bring ideas of “customer satisfaction” to our clients? As engineers we know that one can choose from among several different structural systems for any given building. We also know that the choice will affect the building vulnerability and serviceability. Rarely, however, does the owner participate in detailed discussions with the design team regarding the optimal structural design for the intended building use.

Building owners are a varied lot, from the cost minded developer to institutions and public entities concerned with life-cycle performance. So, how often are we speaking directly with the owners and asking them what type of system they prefer? Some of you might respond: “If we ask the owner, he/she won’t know and they will tell us that is why we were hired.” Others might say, “That’s the architect’s job.” Consider the first response. This scenario presents us the perfect opportunity to show the owner the pros and cons of different structural options. As for the second response- do you believe that architects are better equipped than engineers to tell the owner how light-weight concrete performs differently than normal weight concrete? Furthermore, will the architect be

the only one blamed if the building performance is unsatisfactory? It is an unequivocal and universally accepted standard of practice that engineers must design in accordance with applicable codes. Why isn’t it standard of care to explain to the owner the relative merits of major structural system decisions?

Owners make decisions based on many parameters, some examples of results from these decisions include: lab buildings with stringent vibration criteria for floors, data centers with zero downtime allowances, parking garages that are uncomfortably flexible under vehicle loading, office buildings with leaky window walls, and office buildings that trade program space to accommodate structural retrofit. Do you think that the owners made these decisions thoughtfully considering all parameters, including structural performance? Or did the owner simply respond with “whatever?” In each case, the structural engineer should be involved to help the owner make a clear and informed decision. Consider this: if we are intrinsically involved in the decision making process there is a good chance we will receive recognition for double-bagging the milk.

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**DON'T
FORGET** 

**May Newsletter Deadline:
Thursday, April 10, 2003
submit to:
seaonc@ix.netcom.com**

ATC Endowment Fund

*by Pat Buscovich,
ATC Director - SEAONC appointee*

The Applied Technology Council thanks and acknowledges the following SEAONC member and firms who contributed to the ATC Endowment Fund. In 1989, ATC established the Henry J. Degenkolb Memorial Endowment Fund. To date, the Fund has supported dynamic shear wall testing, methodologies for post wind storm evaluation of buildings, a design guide for the control of floor vibrations and a design guide for simplified wind design. At this time the Endowment Fund is financing a very exciting project: the development of post earthquake building safety evaluations using hand held electronic devices remotely connected to a central database. This project has enormous potential to benefit the engineering community, municipal governments, and the public. Hand held wireless technology, incorporating industry recognized documents and feeding into a central file server, will create abundant new opportunities for the study of real world data on the effects of

earthquakes. It will also greatly assist in the efficiency of recovery efforts. Without the support of design professional such as these, this project would not be possible. Thank you.

DONATIONS: INDIVIDUALS/FIRMS

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March Program Wrap-up – City Club, San Francisco

An Evening with John King, San Francisco Chronicle's Urban Design Critic

SEAONC's March dinner meeting was a somewhat offbeat affair. John King, the San Francisco Chronicle's Urban Design Writer, made a thought provoking presentation, followed by a lengthy question and answer session with the assembled group. Several architects were in attendance.

Mr. King made some statements in his initial presentation that made it seem that Bay Area Structural Engineering had become rather commonplace in the public eye. Tall buildings and long bridges are almost routinely done. He noted that it had been several decades since any really exhilarating engineering feats, e.g. the Golden Gate Bridge, could compete with the Bay Area's own natural beauty. San Franciscans, in his opinion, were somewhat jaded to the "built" environment.

But Mr. King also noted a change that seems to be

coming. He likened the present time to the ending of a "costume ball" – where the public insists on having its public buildings look like something familiar from another era. He cited the designs being done for the new GSA Building (Thom Mayne), the DeYoung Museum (Hertzog & DeMeuron) and the Prada Building (Rem Koolhaas) as being examples of architecture stepping off in a new direction. Mr. King opined that it would only take one of these projects to be publicly accepted for the floodgates to open in San Francisco.

Mr. King also noted encouraging developments in other cities. The World Trade Center competition, recently ending in the selection of Daniel Libeskind's design, has heightened the public's awareness of good architecture – and in many cases the architects were noting that their structural engineers were an integral part of the team. Mr. King also cited the new City of Light Cathedral by Rafael Moneo (the structural engineer was Nabih Youssef), and Gehry's Guggenheim Museum in Bilbao (the structural engineer was SOM).

Thank you to Mr. King for engaging with us.

President's Message

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check review comments, let's take a look at it from the plan reviewer's perspective. When was the last time you submitted a set of plans that were half complete in order to "get in line" at the request of your client? Did you bother to organize your calculations and number the sheets? And, what about the fact that the structural drawings are not coordinated with the architectural drawings? Remember those details you were going to add, but never got to?

What you are going to find is that for every horror story an engineer

has about a plan check, there will be a plan reviewer with a horror story about a set of plans submitted for review. Let's face it- there is room for improvement on both sides. Well, SEAONC director Doug Hohbach decided to tackle this issue head on. A letter was sent to several Bay Area municipalities inviting them to open a dialog on the subject. Based on several positive responses, a SEAONC delegation was invited to attend a Bay Area CALBO (California Building Officials) luncheon meeting. The delegation consisted of directors Doug Hohbach, Jon Kiland,

Mehri Ansari, and Constantine Shuhaibar.

I am pleased to report that the meeting went well and that a steering committee has been formed, with Edgar Rodriguez (City of Milpitas) as its chair. The goal of the committee is to lay down the groundwork for a more consistent drawing package submittal and plan review process.

Thanks to Doug for taking on this most worthwhile cause. The dialogue has started.

April San Francisco Meeting

Continued from page 1

in December 1989, his quest to "learn from earthquakes" brought international recognition to Honorary Member Henry Degenkolb and through him to this Association.

This year, our Degenkolb Forum speaker will be Dr. Joseph Penzien. Dr. Penzien has had a long and distinguished career as a researcher, teacher, and professional engineer. He served 35 years in the Department of Civil Engineering at the University of California, Berkeley, specializing in many awards and medals, among them EERI's Housner Medal, the California Earthquake Safety Foundation's Alfred E. Alquist Medal, the Nathan M. Newmark Medal from the American Society of Civil Engineers, and the Berkeley Citation—the highest award given by the University of California, Berkeley. Among his professional memberships, he is a member of the National Academy of Engineering and the California Council on Science and

Technology, and an honorary member of both ASCE and EERI. He has written approximately 140 technical papers and 70 technical reports and contributed to 6 books. He has been actively involved in consulting for many earthquake engineering-related projects in the United States, Japan, and the Republic of China.

Dr. Penzien has agreed to present to us a version of the lecture that he gave to the Earthquake Engineering Research Institute membership at its annual meeting in St. Louis, Missouri, in June 2000.

Dr. Penzien's talk is entitled "Earthquake Engineering for Transportation Structures—Past, Present, and Future". Advances over the past fifty years in earthquake engineering as applied to transportation structures will be discussed with focus on seismic loading criteria, dual strategy of design, modeling and analysis, design detailing, and assessment of seismic performance.

Current state-of-the-art methodologies used in the seismic design of bridges will be reviewed, pointing out areas of needed improvements, including the characterization of free-field ground motions for functional and life-safety levels of design, evaluation of soil-foundation-structure interaction effects, modeling of structural components for seismic demand and capacity evaluations, and seismic performance assessments. Advancing the state-of-the-art of bridge engineering through future research, both analytical and experimental, and advancing the state-of-the practice through the development of new performance-focused code specifications will be encouraged.

(Much of the information in this article about Dr. Penzien and his presentation was taken from information published in the February 2001 issue of Earthquake Spectra.)

CUREE Woodframe Research - Damage to Drywall in Residential Construction

by Jamison Curry, Program Committee
Chair

Thanks to Professor Kurt McMullin of San Jose State University (SJSU) for making a presentation on his recently completed research on drywall construction. Professor McMullin thanked his co-researchers, Dan Merrick of SJSU and Greg Deierlein of Stanford, and sponsor Dr. Jim Hall of CUREE. In 1999-2000, a series of 17 experiments was completed on testing the damage to drywall construction of typical woodframe residential construction in the event of lateral move-

ment due to an earthquake. A description of the specimens and test variables is given in the February SEAONC newsletter.

Some of the test findings confirm that partition walls are initially much stronger than the values listed in building codes, but cannot be subjected to the levels of drift that building structural systems are typically designed for, without being damaged beyond economically feasible repair.

Dr. McMullin presented some examples of his testing. A cyclic test specimen that had one door opening in it supported a lateral load of 5770 pounds at a drift level of 3/4% of the height. At 1.25% drift, it supported 5080 pounds. At 2% drift, it supported 4390 pounds. Damage observed

included strength degradation, diagonal cracking at the head of the door opening, and nail slip.

Estimates of repair cost were determined. Walls that sustain drift levels of 3/4% may be estimated to have 25% of their economic value damaged. Walls that sustain drift levels of 2% may be estimated to be completely damaged.

Based on the lab experiments, Dr. Deierlein is making wall fracture damage analyses to correlate analytical models to experimental results. Dr. McMullin is extending his research by loading walls with progressive loading rates and investigating the relative strength of oriented strand board and plywood shear walls.

Thanks again to Professor McMullin.

April South Bay Meeting

Continued from page 1

standards are changing.

Currently being completed, the San Francisco Airport (SFO) Extension is an 8.7-mile extension of the BART system from Colma Station to the San Francisco International Airport and Millbrae. The extension passes within one mile of the San Andreas Fault. The seismic standards for this project were adapted from BART's East Bay and Colma extensions, but updated for more recent codes.

Initiated in 2000, the Seismic Retrofit Program seeks to identify the vulnerabilities of the original 74 mile BART system and execute retrofits to make the system safer during an earthquake and capable

of returning to service soon after the event. This program is using state of the art evaluation techniques, and is the first to consider the impacts of near field effects.

The Warm Springs Extension (WSX), a 5.25-mile design-build project, will extend BART southward from Fremont Station to the Warm Springs Station, with an optional station at Irvington. The new tracks will cross the Hayward Fault just south of Fremont Station.

The presentation will cover the Oakland Airport Connector (OAC). This turnkey project will construct a people mover system between the Oakland International Airport and BART's Coliseum Station, in a region close to the Hayward Fault. Along with the WSX project and the future extension to San Jose,

OAC is driving the preparation of new seismic standards for BART.

An extension to San Jose will be constructed by the Valley Transportation Agency (VTA) to BART's standards. Although BART's seismic standards are not mandatory for VTA, development of the new Facilities Criteria will aid VTA in developing its project.

The increasing complexity of seismic design theory is reflected in the differing seismic standards for these projects. BART's experience with the projects and its continuing need for seismic standards has prompted development of standardized facilities seismic criteria that can be adapted to any future BART projects.

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April Business Forum Luncheon

The Art of Winning Sales Training for Professionals

with

Thomas R. Cutting, P.E.
Management and Sales Consulting

Date: **April 16, 2003**

Time 12:00 – 1:30 PM,

Lunch/Program

Place: City Club, 155 Sansome Street, San Francisco, California

Make reservations by contacting the SEAONCoffice via e-mail at: seaonc@ix.netcom.com (or phone 415-974-5147) Deadline: Monday April 14, 2003.

Meal Selections:
Chicken, Beef or Pasta

\$20.00 Business Forum Member
\$30.00 Non-Business Forum Member

Tom has 25 years experience in the engineering profession, with recognized and proven skills in the development and application of strategic planning and marketing/sales processes and techniques. He has taught The Art of Winning sales training workshop to audiences around the world, including architects, engineers, contractors, and other service providers.

From January 1974 - June 1997, he was with CH2M HILL Companies, Ltd. While at CH2M HILL, Mr.

Cutting was a senior vice president, director of business development and strategic planning, responsible for acquiring water projects worldwide. Mr. Cutting has spent considerable time working in the water, transportation, and environmental/infrastructure markets. Sales efforts for which Mr. Cutting managed or made significant contributions include the \$6 billion (US) Singapore Deep Tunnel Sewerage System Project, the widening of Interstate I-880 in California, and the DOE cleanup of the Rocky Flats Plutonium Recovery Facility near Denver.

CAPTURE SALES RATE

The Art of Winning has proven processes and techniques that improve a company's sales capture rate. Tom will introduce participants to:

- Identify and stay focused on strategic opportunities
- Develop thorough understanding of client needs
- Devise strategies to solve client issues
- Improve relationships with key decision-makers
- Structure and deliver persuasive proposals/presentations

GATHERING INTELLIGENCE

- Communication styles – winning in today's competitive environment requires a keen understanding of how clients make decisions and how to package information

- Listening skills – mapping conversations makes sales call easy and produce meaningful information
- Client mapping – a critical step in any sales campaign is knowing the clients organization and how decisions are made

STRATEGY DEVELOPMENT

- Identifying issues, strategies, proofs – clear articulation of client needs and innovative solutions to solve them
- Tactical action plans – a simple technique to keep any pursuit team focused on winning

PERSUASIVE MESSAGES

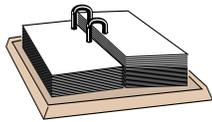
- Proposals/presentations – proven techniques to present/package information that wins
- Storylining/Storyboarding process –an effective tool to choreograph proposals and presentations
- Proof graphics – presenting messages graphically is the key to winning

*The Business Forum
welcomes
all SEAONC members
to attend this meeting.*

*Call and reserve early.
These meetings fill up fast!*

EVENT CALENDAR

**April 1st
Dinner
meeting--The
City Club, SF.
Degenkolb Forum and Excel-
lence in Structural Engineering
judging**



**April 1st
YMF Meeting, The Game
Room, The City Club, SF**

**April 8th
South Bay Dinner Meeting-
Michael's at Shoreline, Moun-
tain View**

**April 16th Business Forum
Luncheon, The City Club, SF**

**May 6th
YMF Design Forum, The
Game Room, The City Club,
SF**

DASSE Design Inc. Announcement

DASSE Design Inc. is pleased to announce that Chih-Hung Cheng, Member SE, has rejoined the firm as a Senior Associate. Chih-Hung received his MS degree from UC Berkeley and has over 10 years of experience in the seismic design of new buildings and the retrofit of existing buildings, including school campus expansions, biotech and microelectronics facilities and civic buildings. His areas of expertise include performance based seismic design and sophisticated dynamic analysis.

Save the Date Young Member's Design Forum

Date: May 6, 2003
Time: 5:30 –6:30 pm Game Room on
the Tenth Floor of the City Club
Topic: Foundation Design
Speaker: Jackie Bassett of KPFF
Consulting Engineers

YMF April Activities and Announcements

by *Laura Yamaguchi, YMF Chair*

Come join the YMF for a discussion on the P.E. Exam, before the April 1st monthly dinner meeting at The City Club, San Francisco. 5:30-6:30pm in the Game Room, 10th floor. Tips, info, strategies and snacks will be provided.

Also in April, our second construction site visit! This time it's to Channel Park Condominium in San Francisco. We will meet at the site, 255 Berry Street, at 4:00pm. Stephan Hosea of Nishkian-Menninger Consulting and Structural Engineers will lead us on a tour. The seven story concrete building has a shearwall system to support a total of 100 units. RSVP to our Vice- Chair Ali Afrasiabi at ali_afraziabi@yahoo.com.

If YOU have a cool building under construction, share it with the rest of us! Contact myself at lauray@tippingmar.com with a site visit idea for May!

Disaster Resistant California Conference

FYI: Consider checking out this conference the week of April 21, 2003. More info is available at <http://www.sjsu.edu/cdm/drc03/>.

NEW SEAONC BANNER

SEAOC's PR Committee has generously commissioned a banner for each of the four regional associations. (see photo).

SEAONC's banner will be kept in the SEAONC office for use at SEAONC events. Please contact the SEAONC office if you would like to check out the banner for use at an event.



It's a Banner Day for all California regional associations! SEAOC proudly displays it's new banner at a local event.

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

Biggs Cardosa Associates is the largest structural engineering firm in the South Bay and the ONLY California Structural Engineering Design Firm to be ranked in the Zweig White Hot Firm 2002 list, which ranks the 100 fastest growing U.S. Architectural, Engineering and Environmental Consulting Firms. Would you like to join us and become part of our dynamic, growth-oriented team? We have an immediate opening for a Senior Structural Engineer or Structural Project Manager for our San Jose office. Do you have a minimum of 8 years experience in building design and a California SE? Please contact us by visiting our website at www.biggs-cardosa.com and submitting your resume online, or by calling Michael Thomas at 408/296-5515. The exact position and compensation will be based on the candidate's experience.

Bevier Structural Engineering. Sacramento area engineering firm seeks qualified engineers with minimum two years experience in structural design and detailing of buildings. Multiple positions available. California CE or SE preferred. Strong communication and team work skills essential. Project management skills a plus. Excellent benefits and competitive salaries offered. Send or E-Mail résumé to: Bevier Structural Engineering, 2479 Sunrise Boulevard, Gold River, CA 95670-4344, E-Mail: bill@bevier.net

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

Forell/Elsesser 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). 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

Harris & Sloan Consulting Group, Inc., a growing full-service structural engineering consulting firm in Davis, Ca., offers a relaxed, professional working environment in the heart of downtown Davis. Our firm has immediate openings for outstanding individuals seeking to grow professionally in a positive work environment. We offer excellent compensation and benefits packages and a great working environment. We are currently seeking Project Managers, Project Engineers, and CAD Operators to join our growing team of quality individuals. Project Managers will have leadership ability and demonstrated experience in all materials and building types with a strong background in design and detailing of wood-framed structures. Requires P.E. and 5-10 years of relevant experience. Project Engineers require a Bachelor's Degree in Engineering with structural emphasis and a minimum of two years of experience designing and detailing buildings of wood, with concrete, masonry, and steel experience a plus. CAD Operators should have a demonstrated proficiency in the layout, design, and detailing of buildings and at least two years of experience in AutoCad. If you have exceptional interpersonal, communication, and organizational skills and are committed to providing excellent customer service, come and join our growing firm! Fax your resume in confidence to 530/753-5380.

DASSE Design Inc. has an opportunity for a Project Engineer in either our Oakland or San Francisco offices for someone who is passionate about structural engineering. Minimum qualifications are BSCE (MSCE preferred), PE or SE license and 5-10 years experience on a variety of structures of increasing size and complexity. DSA and OSHPD experience a plus. Position requires strong computer skills, excellent verbal/written abilities and a desire to grow in a collabo-

ative, professional environment. DASSE works with award-winning architects on health care, civic, K-12 schools, college/university and corporate facilities, using steel, concrete, timber, and masonry, in both new construction and renovation. Our projects are challenging and diverse. Send resumes with cover letters to William Andrews by fax 415/243-9165 or e-mail (andrews@dassee.com). Learn more about our firm at www.dassee.com

GFDS Engineers has been providing structural engineering services from its San Francisco office for over 40 years and is dedicated to quality design and a thoughtful approach to integrating structure and architecture. We are looking for bright, creative individuals with a minimum 2 years experience in the design and detailing of projects with structural and architectural distinction. Please e-mail your resume to Linda@gfdseng.com

Kutzmann & Assoc., Inc. has an opening for a CA licensed CE or SE to do structural plan checking. Salary is DOQ. Nice benefit package includes profit sharing program. Flexible working hours for those who don't like to fight rush hour traffic. Good written and oral communication skills essential and certification as a Plans Examiner through ICBO is a plus. Mail resume to Kutzmann & Assoc. Inc., 39355 California St., Suite 200, Fremont, CA 94538, Fax to 510/796-9422 or e-mail kutz@pacbell.net

PARADIGM Structural Engineers, Inc. is growing. Opportunities for all levels of structural engineers and drafters are available. Come join a team of professionals dedicated to development, client satisfaction and upward mobility. If you are seeking a challenging position which fosters growth and allows you to develop to your full potential, come see us. www.paradigmse.com

Structural Engineering Solutions, Inc. Supervising Principal Structural Engineer. SES, the structural division of one of the premier civil engineering firms in the Napa Valley, is looking for a leader to take the firm to the next level of development. This individual will be responsible for hands-on project management and business development in our diverse structural engineering practice. Our projects include a mix of residential, winery, resort & hotel,

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Job Forum (cont'd)

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commercial and industrial structures. This position is responsible for maintaining our profitability while growing our client base. Centered in Napa, Sonoma, Marin and Solano counties, we need a take-charge individual who will seize the opportunities within this area. Qualifications include: CA SE with 10+ years experience, minimum of 3 years in management position, strong technical background, proven business development skills, an interest in working in a team-oriented, entrepreneurial environment that rewards initiative and excellence. Excellent salary and benefits package includes sizeable bonus opportunity. Equity participation is a real possibility for the right candidate. Contact: Rosanne Nocerino Structural Engineering Solutions, Inc. 1500 Third Street, Suite F, Napa, CA 94559 Fax: 707/252-7094 jobs@strucsol.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.**

Submit classifieds and
contact information via e-mail:
seaonc@ix.netcom.com

Display Ad Rates

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 or proofed pdf files with embedded fonts. *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 or 415/974-5147.

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Young Members Forum

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California Geological Survey Seminar

SMIP03 Seminar on Utilization of Strong-Motion Data Oakland Marriott City Center May 22, 2003

The California Strong Motion Instrumentation Program (CSMIP) of the California Geological Survey is pleased to announce a one-day seminar on Utilization of Strong-Motion Data. The Seminar is the fourteenth in a series of annual events designed to transfer recent research findings on strong-motion data to practicing seismic design professionals and earth scientists. The purpose of this annual seminar is to increase the utilization of strong-motion data in improving post-earthquake response, seismic code provisions and design practices.

The SMIP01 Seminar will be held on Thursday, May 22, 2003 at the Oakland Marriott City Center. The seminar program will include presentations by investigators who were funded by CSMIP to perform data interpretation studies during the past years and a field trip to the Oakland City Hall.

For further information on the Seminar Program and Registration, please visit the web site www.consrv.ca.gov/cgs or call CSMIP office at 916/322-3105.

New Members

Member SE

Azlan Ezaddin
Associate, Peoples Associates Structural Engineers

Gerard Madden
Civil Engineer, Owner, Madden Engineering

Jason Oliver
Project Engineer, Buehler & Buehler Associates, Inc.

Mark Sarkisian
Associate Partner, Skidmore, Owings & Merrill LLP

Ching Liu Wu
Senior Project Manager, Bechtel Corporation

Member

Phillip Doody
Staff Engineer, Mesiti-Miller Engineering, Inc.

Che-Han Lee
W. Koo & Associates

Victor Wu
Structural Engineer, Carollo Engineers

Associate
Robert Fong
Structural Design, Adamo & Associates Structural

Sean Godin
Project Engineer, DASSE Design, Inc.

Nicolai Hvass
Engineer, Ben C. Gerwick, Inc.

James Jernigan
President, Jernigan Engineering, Inc.

Anna Lang
Structural Designer, Tipping Mar + Associates

Chan Siong Loh
Design Engineer, Hohbach-Lewin, Inc.

Nina Moen
Structural Engineer, Skidmore, Owings & Merrill LLP

Student

Erika Hansen
Student

Posting for Membership

Member SE

Gina Calabria
Associate, Jon Brody Consulting Engineers

Suzanne Maline-Brown
Project Manager, Swinerton Mgmt & Consulting

Derek Westphal
Project Engineer, Forell/Elsesser Engineers, Inc.

Member

Gordon Enas
Sr Engineer, California Dept. of Water Resources

Douglas Gadow
Engineer 2, Wiss Janney Elstner Associates

Vu Huynh
Bridge Engineer, Jacobs Civil, Inc.

Stuart Lowe
Design Engineer, Hohbach-Lewin, Inc.

Alan Ravandi
Project Manager, DASSE Design

William Wahbeh
Sr Engineer, Signet Testing Labs

Milo Zabala
Project Engineer, Strocal, Inc.

Brian Zuckerman
Asst. Regional Manager, Berkel & Company

Associate
Timothy Graf
Designer, Degenkolb Engineers

Kim Hoang
Sr Structural Engineer, Chevron Texaco

Forrest Lanning
Staff Engineer, DASSE Design

S. Sindurabanu
Uzun & Case Engineers

Student

Seemant Saxena
Graduate Student, Stanford University

April South Bay Meeting

Continued from page 5

Mr. Horton spent over ten years as an active duty Army officer, with tours in Germany and Korea and five years with the Los Angeles District, Corps of Engineers.

Mr. Horton also worked with the Los Angeles MTA on the Metro Red Line subway, and with BART on the San Francisco Airport Extension. Mr. Horton is a graduate of the United States Military Academy and holds a master's degree in Construction Management from UC Berkeley. He is a licensed civil engineer in the State of California.

*Don't Forget to Attend
the April 1st Dinner
Meeting to cast your
vote for the SEAONC
Excellence in
Structural Engineering
Awards!*

FOR RENT: SEAONC Multimedia Projector & Digital Camera

SEAONC's multimedia projector is available for rental! Voting members can rent the projector for only \$100 a day (plus a \$1000 security deposit) SEAONC also has a SONY digital camera available for rental. Voting members can rent the camera for only \$25 a day (plus a \$1000 security deposit). Contact the SEAONC office at 415/974-5147 for details.

*Repeat Ad for
Computers and Structures*

APR

- 1 San Francisco Dinner Meeting and Excellence in Structural Engineering Contest Judging
- 1 YMF Committee Meeting
- 8 South Bay Dinner Meeting
- 16 Business Forum Luncheon

Registration

Note: There are TWO dinner meetings this month. Please indicate your choice of ONE or BOTH.

April 1st SEAONC Dinner Program, City Club, San Francisco

Earthquake Engineering for Transportation Structures—Past, Present, and Future

The City Club, 155 Sansome St., 10th Floor, San Francisco
 BART: Montgomery Street Exit, San Francisco

Deadline for pre-registration: 12 noon, Friday, March 28

Dinner and program reservations are limited. Register early! No cancellations after 12 noon, Friday, March 28th, 2003.

COST:	PRE-REGISTERED	LATE REG.
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

April 8th South Bay SEAONC Dinner Program, Michael's at Shoreline, Mountain View

BART Seismic Standards - Recent and Future Projects

Michael's at Shoreline
 2960 N. Shoreline Boulevard, Mountain View

Deadline for pre-registration: 12 noon, Friday, April 4

Dinner and program reservations are limited. Register early! No cancellations after 12 noon, Friday, April 4th, 2003.

COST:	PRE-REGISTERED	LATE REG.
SEAONC Member	<input type="checkbox"/> \$28	<input type="checkbox"/> \$33
Junior Mbr (29 and under)	<input type="checkbox"/> \$20	<input type="checkbox"/> \$25
Non-Member	<input type="checkbox"/> \$33	<input type="checkbox"/> \$38
Student	<input type="checkbox"/> \$15	<input type="checkbox"/> \$15

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, e-mail: SEAONC@ix.netcom.com or phone: 415/974-5147

Make check payable to **SEAONC** and bring with you to the door.

Please check meeting(s) you wish to attend:

- April 1st, City Club
- April 8th, Michael's, South Bay

5:45 PM General Assembly

6:30 PM Dinner

7:30 PM Program

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.