



STRUCTURAL ENGINEERS ASSOCIATION OF NORTHERN CALIFORNIA

NEWS

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President's Message

By Bret Lizundia

With this month's column, I'd like to share some of my goals for the upcoming year.

SEAONC is a very healthy organization because of the excellent work of our members. We have a growing and fairly substantial reserve. Membership, which had dropped a few years back, is growing again. Many of our committees and efforts, like the Younger Member Forum and Rebuilding Together, are quite vibrant. Our dinner programs and seminars are well attended and well regarded. We now have a Strategic Plan, which we are hard at work at the Board level implementing. And we have such dedicated and knowledgeable members that when we tackle a difficult subject like developing provisions for non-prescriptively designed high rises, we can produce very well considered documents in a fairly timely manner even through volunteer efforts.

Of course, though, there is always more that we can do. I'd like to suggest four topics that I plan to emphasize in the coming year.

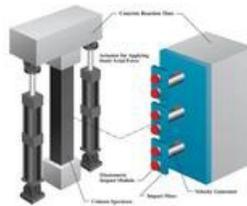
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August Monthly Dinner Meeting at the Silver Dragon in Oakland

UCSD Blast Simulator

By Professor Gilbert Hegemier, UCSD

The events of September 11th, 2001 were a wake-up call to our government that international terrorists could strike on American soil at any time. Terrorist attacks had already been carried out domestically prior to 9/11, including the bombing of the Alfred P. Murrah Building in Oklahoma City (1995) and the World Trade Center in New York City (1993). In the case of the Oklahoma City bombing, the terrorists were homegrown. Terrorists abroad have always employed tactics to strike against buildings in order to inflict maximum damage and loss of lives. Historically, this includes IRA car bombings in London, Basque separatist attacks in Spain, Chechen rebel truck bombs in Russia, and various attacks against US Embassies and military barracks abroad.



some of these plots succeed in the future is great.

Structural engineers can help protect buildings by designing for catastrophic events such as terrorist attacks. Blast loads on structures can come from various delivery methods, including vehicle bombs or suitcase bombs, and can act on any surface of an exposed structure. Various techniques exist to minimize exposure to the blast loads and to strengthen building components that are in the direct line of fire.

Professor Gilbert Hegemier of UCSD has been studying blast loading on structures and ways to improve building behavior due to blast impact for many years. Recently, a \$4.2 million contract from the Technical Support Working Group (the federal interagency for combating terrorism) has supported the construction of the UCSD Blast Simulator, which simulates blast loading without a fireball and is the first facility in the world of its kind. The Blast Simulator allows completely repeatable, unobstructed blast simulations which can be captured on high speed digital video cameras operating at up to 10,000 frames per second.

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Meeting Notice

EAST BAY DINNER MEETING

Tuesday, August 7th, 2007

Assembly	5:30
Dinner	6:15
Program	7:15

Silver Dragon, Oakland

835 Webster St. Oakland, CA 94607

Fax registration form on the back of this newsletter to the SEAONC office by 12 noon Thursday Aug. 2nd. 2007

FAX: 415-764-4915

Many countries outside of war zones have experienced terrorist attacks against structures since 9/11, including Great Britain, Spain, Scotland, India, Indonesia, Turkey, Morocco, Egypt, Greece, Thailand, Northern Ireland, Jordan, Bangladesh, Qatar, Israel, Russia, Saudi Arabia, Finland, Tunisia, Peru and the Philippines. Fortunately, the United States government has been able to thwart several terrorist plots that have been planned for targets in America since 9/11. However, the likelihood that

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A Message from the President

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First, I'd like to continue to expand our membership base, particularly among the smaller and midsize firms and among infrastructure firms, both by outreach and by providing services that are of interest to them.

Second, we plan to improve the newsletter technical content. This is one of key membership benefits, and for members outside of the Bay Area who can't attend seminars and dinner presentations, it is a particularly important document.

Third, some of our committees need rejuvenation and simply increased membership so they can better tackle the tasks we've hoped they can carry out. We'll be trying to build interest in those committees over the coming year.

Lastly, I want to place a focus on making SEAONC the place where cutting edge thinking about structural and seismic issues continues to occur.

We can encourage our committees to think not just about what we should be doing today, but also about where we should be going tomorrow. We can set aside some meetings and seminars to talk about not just projects and code resources, but also about increasingly important topics like sustainability, the impact of globalization and outsourcing on our profession, building information modeling (BIM), new materials, and different project delivery methods. We can develop newsletter articles, white papers and other documents about these kind of ideas.

I like to think SEAONC can be where the future of structural engineering takes place.



August Dinner Meeting Cont. from page 1



The Blast Simulator is being used to perform controlled blast load simulations on critical infrastructural elements such as columns, walls, and bridge towers. The Simulator is used to characterize blast effects on structural systems, validate high fidelity computational models, and to develop hardening technologies to protect structures from terrorist bomb attacks. Standardized test protocols for product validation are also being developed. Photo and video sequences of some of these tests will be shown.

September 26-29 Squaw Creek

Be sure to make your reservations early for the 2007 SEAOC Convention. Please visit www.seaocc.org/2007convention for more information and to register.

Welcome New Members

Associate

Eric Borchers, Staff Engineer,
Rutherford & Chekene

Tao Lin, Staff Engineer,
Hohbach-Lewin, Inc.

Akeem Olaniyi Sadiku, Intern,
Ladion Associates

Member

Jacob Christensen, Project Manager,
Interactive Resources

Kwok-Wai "Alex" Yu, Project Engineer,
DeSimone Consulting Engineers

Student

Christopher Abela, Student/Intern,
Cal State Fresno

Karthikeyan Chelliah, Student,
Mepco Schlenk Engineering College

Darius Dodge, Student, Cal Poly SLO

Mateusz Lipa, Student, San Jose State
University

Pending Members

Associate

Douglas Deng, Associate Engineer,
Kam Yan & Associates

Rene Gonzalez

Deepen Upadhyay, Assistant Engineer
Biggs Cardosa Associates, Inc.

Daniel Wills, Project Engineer, Structural
Engineers, Inc

Member

James Bartone, Senior Project Manager,
ConXtech Space Frame Systems, Inc

Victor Chen, Plan Check Engineer,
City of San Jose

Mike Firouzi, T.Y. Lin International

Student

Brian Dean, Student, Stanford
University

Jovy Estremos, Student, UC Berkeley

Ahmed Thleiji, Student, SFSU

The Seismology and Structural Standards Committee (SSSC) were very active in the 2006-2007 term. The committee, comprising devoted volunteers donating hours and expertise, was integral in the development of the Administrative Bulletin on Tall Buildings (AB-083) for the City and County of San Francisco (SF). This document is currently in use by the SF Department of Building Inspection (DBI) for the design/review of several high-rise buildings in the City! Well done to all who helped with this effort (individual acknowledgements would cover the entire page, so thank you all).

The committee also developed a brief newsletter article regarding special concentric brace frames (SCBF) and recent work that reminds us that the system is not as robust as other systems. While the newsletter article falls short of a primer on the subject, it does inform and bring a sense of urgency regarding the need for further research and testing for this frequently used system. Fortunately, with Patxi Uriz chairing the steel subcommittee, we will pursue this issue further in the coming year. In the process we will also be able to learn of his and numerous other research findings regarding steel lateral-force-resisting systems, as we might from Scott Adan, a newcomer to the Bay Area. He also has expansive research knowledge, particularly with moment-resisting frames and we are pleased that he is keen to participate with the committee and subcommittees. Please welcome Scott and partake in the Steel Subcommittee to work with Patxi on the braced frame issue and other pressing issues.

The SSSC continued the development and contribution to the myriad of code change proposals including those that pertain to foundation systems, aerated autoclave concrete, base isolation, and load combinations. The SEAOC Code Committee has been reinvigorated for 2007-2008, carrying forth a charge to take over code change proposal development and monitoring, thereby enabling the SEAOC SSSC to pursue cutting edge issues related to earthquake engineering; specifically through the

production of Blue Book articles as the eminent seismic engineering resource. The SSSC is pleased to have Anindya Dutta represent SEAONC on that Code Committee. His charges include identifying subject matter developed in the SSSC that could be a catalyst for the development of code change proposals. His presence at the SSSC meetings will ensure a clear line of communication between the two committees.

The SEAOC seismology committee completed and posted twelve Blue Book articles this last year. We are working towards completing over 20 more articles to enable the production of a hard copy that will be distributed at next year's convention. The SSSC requests that any member that has drafted an article, please consider revisiting your document and working with the seismology committee to complete them in the coming months.

The Light-frame Construction (LFC) subcommittee, chaired by Gary Mochizuki, worked closely with the SF DBI to develop drafts of an Administrative Bulletin on continuous rod tie-down systems (AB-084) and a memorandum on eccentric tie-down (holdown) design. As part of the City's effort to develop economic seismic rehabilitation solutions for soft-story residential dwellings, the subcommittee contributed to the development and testing of various seismic rehabilitation methodologies of existing residential garage doors. The subcommittee presented at the recent SEAONC seminar series on Construction Administration and was also directly involved in Building Seismic Safety Council's Wood Technical Subcommittee 2008 Seismic Provisions.

Our Passive Systems Subcommittee, chaired by Rene Vignos, is active and already planning to present material at next year's convention. They are also working on a Blue Book article, including a completed design example for simplified base isolation implementation. SEAONC's own Troy Morgan is chairing the SEAOC Passive Systems Subcommittee, which will help SEAONC leverage our efforts by working in close col-

laboration with the SEAOC passive system committee.

The SEAONC SSSC continues the tradition of sharing information, which is one of the hallmarks of the committee. With solid contributions from both the well-seasoned and graduate students completing new research, we continue to broaden our knowledge and seek ways to disseminate information to you. This is truly a self-fulfilling committee. As one of our long-standing members Armen Shamamian says, "the committee meetings [discussions] are educational onto themselves".

New Chair, Andy Fennell, will continue the soul of the SEAONC SSSC through open discussion and vetting issues, whitepapers, position statements and Blue Book papers. In the next year, Andy will lead the efforts to meet the charge of developing supporting work that will lead to simplified base isolation design procedures, design parameters for SCBF and the basis for presenters of SEAONC Spring and Fall seminars. The committee is prepared to identify issues with the impending California Building Code/IBC (i.e. minimum base shear for drift assessment) and provide suggested guidance from a collective thought process.

In closing, I appreciate the support and patience of the membership as I have given my best to represent your interest and the consensus opinion of members in all committee efforts; specifically in the development of the Tall Buildings AB-083 for the SF DBI. It has been a privilege to work with my fellow committee members on the many challenging and controversial topics over my tenure. In keeping with the committee spirit, I've learned a lot and I have appreciated the opportunity to do so.

*Kind regards,
Mark A. Moore, Past Chair*

So, you're a young engineer....

By Heinz Kuo & Scott Henderson

...and you might be wondering why there are many articles on committees in this newsletter. To answer your question, the end of June marks the end of SEAONC's fiscal year. It also marks the time when the committee leaderships change. One final act for an outgoing committee chair is to report to SEAONC's membership (namely, you!) on what happened this year in their committee. These are the committee articles in this newsletter. They're suppose to help you figure out what each committee accomplished in the past year and, hopefully, help you decide on whether you would like to participate in that committee in the upcoming year. And so, without further ado, please read on for Young Members Forum's (YMF's) end of year report.

SEAONC fiscal year 2006-2007 has been a breakout year for YMF. With a full roster of active committee members, we have been busy serving SEAONC, our membership, and the community. Our goal is to build awareness of SEAONC, encourage students to pursue structural engineering as their career and to encourage young engineers to be more active in our structural engineering community.

In pursuit of these goals, YMF, as a committee or a sub-committee, has gotten together to party, plan, present, orientate, survey, fundraise, create, learn and play over 70 times this year. Over the year, that's averaging one activity every 5 days! There are 22 activities which account for the 70+ meetings. It's too many to name in this article. Hopefully, you've heard of the events because you're on the YMF email list. If you're not on the email list (or recently changed jobs), please send an email to [ymf@seaonc.org](mailto:y mf@seaonc.org) to be added. Please put "add" in the subject line.

The reason why YMF was able to be so active this year is because of the dedication of YMF committee members. They come from a wide range of Bay Area companies. Their names are listed below. Thank you YMF committee members for your strong support and dedication. Meeting you folks and working with y'all has made being co-Chairs a memorable experience.

Philip Bastiao	Paradigm	Lisa Cassedy	DASSE Design
Jeff Ching	Parsons	Rebecca Claussen	Parsons
Joseph Collins	R&C	Susie Cho	Arup
Maribel Delgadillo	Nishkian Menninger	Scott Henderson	KPFF
Melissa Hoffman	Paradigm	Sara Hohenshelt	S.L. Pacific Design
Christian Holbrook	MKM Associates	Bethany Jones	Nishkian Menninger
Adrian Ku	GFDS Engineers	Heinz Kuo	DeSimone / R&C
Tim Le	SFSU	Kathy Martin	Nishkian Menninger
Steven Mintz	R&C	Christopher Ong	Hohbach-Lewin
Kristen Parrish	U.C. Berkeley	Chris Pitt	Biggs Cardosa
Zach Satt	Hohbach-Lewin	Matthew Stewart	KPFF
Karl Telleen	R&C	Caroline Tsang	DASSE Design
Raj Uparkar	Degenkolb	Michael Williams	Hilti
Larry Wong	Degenkolb	Laura Yamaguchi	Azure

Special thanks goes out to YMF officers Steven Mintz, Bethany Jones, Karl Telleen, and Caroline Tsang for their devoted service in support of us and other YMF members. Congratulations to Caroline & Karl on being elevated as co-Chairs of YMF for 2007-2008 fiscal year.

Lastly, we would like to thank Bill Andrews, Jamie Curry and Ken Miles, who has provided considerable insight into the inner-workings of SEAONC and encouraged YMF's growth. Special mention goes to Bill Andrews, YMF's board contact for the past two years. He has been a tremendous resource for us. Bill has been an enthusiastic supporter of our activities and a great committee adviser. He was involved, hands on, when we needed it. Bill was also very supportive in giving us some leeway to explore and do our own thing. Thank you, Bill. Your expertise and encouragement has made all the difference.

So, what have you learned about YMF? Well, it's a good way to meet people, we have fun doing it and... what else are you waiting for? Here are some events that are currently going on:

- A.R.E. Tutoring – Q&A session where you meet architects and show them how smart you are by teaching them structural engineering (contact Susie.cho@arup.com)

- YMF Softball Team – don't call us nerds... 4-0 winning streak (contact jcollins@ruthchek.com)

- University Liaison – Relive your college days... vicariously, by being in contact with university students and building awareness of structural engineering as a career (contact ktelleen@ruthchek.com)

- High School Curriculum – finalizing a program to educate jr. high & high school students on structural engineering. Come be a beta tester! (contact lwong@degenkolb.com)

- P.E. Informational Meeting – taking the P.E. Exam... don't know what to expect? (contact tsang@dasse.com)

- Planning Socials, Writing Articles, Organizing Presentations – want to get started in being involved in the structural engineering community? YMF is a good way to begin. (contact tsang@dasse.com or ktelleen@ruthchek.com)



Biggs Cardosa Associates has immediate openings in our San Jose, San Francisco and Oakland, CA offices! Are you interested in a long-term career with an exciting and growth-oriented firm? In San Jose, we are looking for three Senior Engineers or Project Managers (one with min. 10 years experience in building design and California SE required; and two with min. 10 years experience in bridge design and California CE required). In Oakland, we are looking for Project Engineers or Staff Engineers, and a Senior Engineer or Project Manager with a min. 10 years experience in building and/or bridge design (California CE is required, SE is preferred). Please email your resume to mharms@biggscardosa.com. Find out more about our firm at www.biggscardosa.com. EOE.

Cornerstone Structural Engineering Group is currently hiring Project Engineers and Staff Engineers for positions in its San Francisco Office. With a wide range of clients, projects are a diverse array of low to mid rise public safety, education, seismic retrofit and rehabilitation, commercial, mixed use and infrastructure structures. We are looking for motivated employees who are looking to widen their abilities and can embrace a wide range of projects. Strong communication skills and the ability to work within a team setting are essential. Candidates should have 3-10 years of experience and a BSCE (MSCE preferred). PE preferred for those with over 5 years of experience. While experience in both building and infrastructure work is not required, applicants should be willing to apply their experience to all types of work. Please email resume and cover letter to careers@cseginc.com. To learn more about our company, please visit us at www.cseginc.com.

Crosby Group is looking for self-motivated project engineers and project managers with a minimum of 5 years of experience for our offices in Redwood City, Sacramento, and Colorado. The Crosby Group offers its engineers excellent growth opportunities with a solid career path, a highly collaborative environment, and exposure to a variety of large and challenging projects. At the Crosby Group, you will get the opportunity to participate on an exciting mix of new design-bid-build and design-build projects that average more than \$300 million annually. A sampling of current project types include: Convention Centers, Libraries, Community Colleges, Hotels, Elementary Schools, Justice Facilities, and Manufacturing Plants. The Crosby Group offers generous compensation packages including Full Health coverage, 401K, profit sharing, and generous educational stipends. If you are looking for the company with enough flexibility to suit your demanding life-style, please view our website at www.crosbygroup.com and send a cover letter and resume to resumes@crosbygroup.com. Both fulltime and part time positions will be considered.

DASSE Design, recognized again by Structural Engineer Magazine as one of the best SE firms to work for, has openings in SF and Oakland for talented Project and Sr. Project Engineers interested in diverse and technically challenging building structures. Projects include new construction and retrofit, in education, health care, civic, mountain resort and life sciences buildings. Requirements are BSCE (MSCE preferred), 5-20+ years relevant design experience; DSA or OSHPD experience a plus. PE or SE license required for Project Engineers, SE license for Sr. PE. Positions require strong technical and communication skills, with a desire to grow in a professional environment. Mentor and continuing education programs help you reach your potential. Email resume with cover letter to William Andrews, andrews@dasse.com Visit us at www.dasse.com

Degenkolb Engineers is looking for talented engineers to join our San Francisco and Oakland teams. As recognized leaders in seismic engineering, we offer a diverse, challenging mix of projects on new and existing structures. We offer an excellent salary and benefits package. Currently, we are looking for engineers with a M.S. in Structural Engineering with 0-3 years of experience. Experience in structural/seismic engineering analysis and design of buildings is a plus. Please see our website at www.degenkolb.com. EOE. To apply, send a narrative letter about yourself with your current resume to malley@degenkolb.com or to Degenkolb Engineers, Attn: James Malley, 235 Montgomery Street, Suite 500, San Francisco, California 94104.

DESIMONE Consulting Engineers, a leading international structural engineering firm with a staff of over 200, has immediate openings in our growing San Francisco office for engineers at all levels. Presently, we are designing a diverse mix of interesting and technically challenging projects with a primary focus on new design, including wineries, museums, resorts, residential projects, and high-rise buildings. Ideal candidates should have strong technical, management and communications skills. We offer a competitive benefits package, coupled with a dynamic work environment. Additional opportunities are available in our New York, Miami, New Haven, Las Vegas and Hong Kong offices. Please send your resume via e-mail to rpolivka@desimone.com.

ESI in Oakland seeks Structural engineer, with 3-5 yrs of experience in new and seismic retrofit. PE with MS in structural engineering is preferred. Dynamic environment with diverse new and retrofit projects in civil and structural design. You conceive, design and manage a job from start to finish. You would do whole job, not a part of the job as you would expect to do in larger firm. Competitive salary with benefit package including paid vacation, medical, dental and retirements plans. Possibility of being a part owner as the present owner is contemplating retiring soon. Email resume to: bk@esiengineers.com.

FORELL/ELSESSER ENGINEERS, INC., IS SEEKING TALENTED, REGISTERED ENGINEERS WITH 5 OR MORE YEARS OF EXPERIENCE to be members of our team. Are you looking for that "dream job" that will allow you to work in a dynamic downtown San Francisco office with a collaborative, fun group of engineers on some of the most challenging and exciting structural and seismic projects in California and around the world? If so, FORELL/ELSESSER ENGINEERS, INC., is eager to hear from you! Join an exciting and thoughtful team in a dynamic work environment that actively encourages and supports individual professional growth through ongoing education, training, and mentoring. Our firm offers a competitive compensation package that includes major medical, dental, vision, life/disability insurance, 401(k) match, profit sharing plan, incentive compensation plan and a flexible spending account. Find out more about FORELL/ELSESSER at www.forell.com Please contact Mason Walters at (415) 837-0700 or send resumes to Mason Walters, FORELL/ELSESSER ENGINEERS, INC., 160 Pine Street, 6th Floor, San Francisco, CA 94111 or e-mail mason@forell.com

Glotman•Simpson Group SKI.HIKE.GOLF.LIVE...in VANCOUVER. Move to one of the world's best cities to live in, where you can ski, snowboard, hike, golf, bike & kayak all in the same day. Authorization to work in Canada is easy to get. Glotman•Simpson Group of Companies has been providing innovative structural engineering solutions and unparalleled client services since 1964. Our award winning firm is looking for talented individuals to join us on exciting landmark projects throughout Canada and Western United States. Our growing team has immediate openings based in Vancouver, BC for INTERMEDIATE & SENIOR STRUCTURAL ENGINEERS for the design of concrete, steel and wood building structures. We are looking for individuals with: a minimum of two years experience in the structural building industry, excellent communication skills, registration as a Professional Engineer, construction field experience an asset. To apply, email your resume and cover letter to careers@glotmansimpson.com and quote NC-ISSE-AUG07. Find out more about our firm at www.glotmansimpson.com.

Ingraham/DeJesse Associates is seeking creative engineers to join our team in downtown Oakland. Our projects range from highly technical buildings serving the pharmaceutical and telecom industries to libraries, churches, and single family residences. This is a great opportunity to get wide ranging design experience in all materials, and to work on all phases of a project from conception through construction. Please have a BS (MS preferred) and at least 2 years recent building design experience. Email your resume to SRDeJesse@ida-se.com.

L.S. Mason & Associates, structural engineering consultants for over 35 years, is currently seeking a design engineer - either full or part time - in our Lafayette,

California office. Excellent communication skills required. Knowledge of wood frame construction preferred. CE/SE license preferred. This is a busy office with projects in wood frame, steel and concrete. We offer a great working environment and are within walking distance to Lafayette B.A.R.T. Salary offered is competitive and negotiable, with an excellent benefits package offered for all full-time, permanent staff. Please email your cover letter and resume in consideration for this position to: kris-lsma@pacbell.net. You may also fax your resume and cover letter to (925) 283-8844.

A career at **MIDDLEBROOK + LOUIE** means a great opportunity to work on new, world-class facilities and other important buildings in a supportive, team-based environment. Currently, we're inviting experienced candidates for **STRUCTURAL DESIGN ENGINEER** and **OVERSEAS FIELD ENGINEER** positions to contact us at CAREERS@MPLUSL.com. We're seeking Engineers with MSCE degrees and 2+ years experience. We offer competitive salaries, outstanding benefits and exciting project assignments. More information about our firm is at www.MPLUSL.com.

NISHKIAN MENNINGER SEEKS EXPERIENCED REGISTERED ENGINEER with 5 or more years experience in various types

of structures; office buildings, high-rises, schools, multiple-tenant residential & other commercial projects, garages and seismic rehab. Resume & salary requirements to: 1200 Folsom Street, San Francisco, CA 94103 or e-mail: lnishkian@nishkian.com.

OLMM is looking for SENIOR and PROJECT STRUCTURAL ENGINEERS to be part of our growing team. We offer challenging projects, collaborative work environment, excellent opportunity for growth, top notch compensation and benefits. Check us out at www.olmm.com and then contact Sunil Gupta at (510) 433-0828 ext. 15 or sunil@olmm.com. Come join us and make a difference!

RPSE Seeking Resumes for Structural Engineers: Rinne & Peterson Structural Engineers (RPSE) seeks and executes diverse, challenging projects. Are you customer-focused, detail-oriented, flexible, with great communication skills? Want growth opportunity, flexible hours, competitive salary, great benefits and superb working environment? Please send cover letter and resume to Human Resources, via fax at 650.428.2861, or e-mail HumanRes@rpse.com.

Tipping Mar + Associates seeks an energetic, creative individual to join the staff of a dynamic, emerging structural engineering

firm. If you have imagination in addition to technical expertise, and would enjoy working in early collaboration with architects and contractors to provide exceptional seismic and sustainable design, please send a resume and cover letter to Tipping Mar + associates, 1906 Shattuck Avenue, Berkeley, CA 94704; fax to 510-549-1912; or e-mail steve.tipping@tippingmar.com.

TranSystems (Oakland) is looking for a senior structural engineer with experience in all major structural materials, ten plus years of experience, BS in Civil, and licensed as a CA SE. A master's degree is preferred. This position will provide all structural engineering for small jobs and be the nucleus of a growing structural department for larger projects. The ability to mentor junior engineers and drafters is important. The successful candidate will work well with other disciplines in the design team. TranSystems offers a competitive compensation package. Join us for an experience with a dynamic, growing company providing all possible consulting services to the transportation industry, government, and others. Send resume to HEFlorine@TranSystems.com

Watry Design, Inc. is looking for just the right individuals to join our highly skilled team of architects, engineers and parking consultants. Are you interested in forging new territory? Our firm is doing just that . . . We currently have openings for entry to mid-level structural designers who would like to work for clients such as Pixar, Stanford, BART, Kaiser, IKEA and Marriott. Email resumes to jobs@watrydesign.com or fax 650.298.8151.

**2006 International Building Code
STRUCTURAL SEMINARS**

Seismic Design Provisions of the New CA Building Code (2006 IBC) -
 Oakland: August 29, 2007 (Wednesday)
 Sacramento: December 5, 2007 (Wednesday)

Transitioning (from the 1997 UBC) to the New CA Building Code (2006 IBC) Structural Provisions -
 Oakland: September 25, 2007 (Tuesday)
 Ventura: November 16, 2007 (Friday)

Seismic & Wind Design Provisions of the New CA Building Code (2006 IBC) -
 San Francisco: October 12, 2007 (Friday)

Wind Design Provisions of the New CA Building Code (2006 IBC) -
 Oakland: November 28, 2007 (Wednesday)

For more information and to register,* visit:
www.skghoshassociates.com
 or call: (847) 991-2700

*Preferential registration fees for SEAOC members

 **S.K. Ghosh Associates Inc.**
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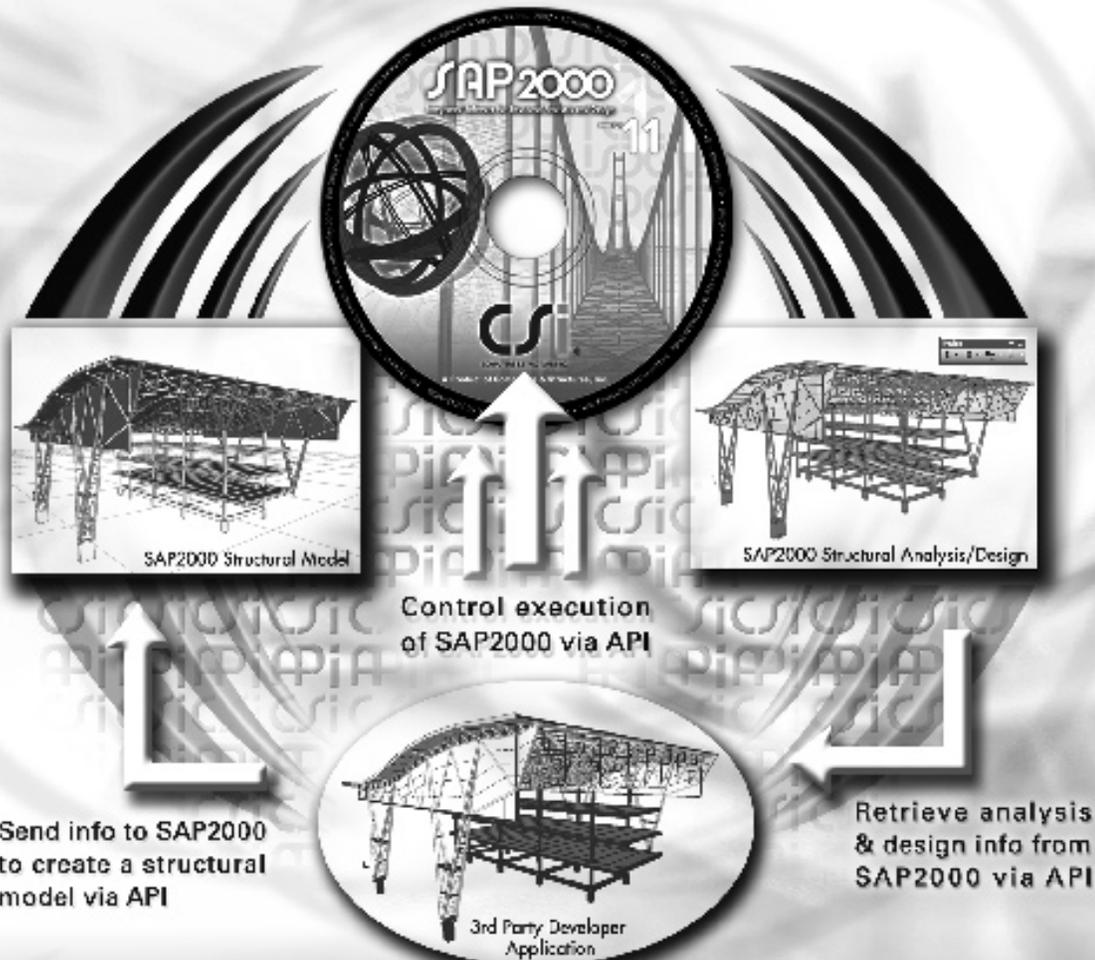
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2 sided	\$1200/mo.

Rates are for finished camera-ready black and white ads or proofed picture files with embedded fonts. *Full payment is required at time of insertion order.* For advertising contract, size specifications, and special rates for running an ad for multiple months, contact the SEAONC Office at by e-mail at: office@seaonc.com or phone at 415/974 -5147.

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In response to requests from many of our users, Computers and Structures, Inc. is pleased to announce the release of an Application Programming Interface (API) for SAP2000. The API provides users and developers of products for CADD and 3D modeling seamless and efficient access to all of the sophisticated analysis and design technology of SAP2000. Third-party developers can now create rich and tight two-way links with SAP2000, allowing for accurate transfer of models into SAP2000, complete control of SAP2000 execution, and extraction of analysis and design information from SAP2000, all from within their application. Similar capability will soon be available for ETABS®.

For more information go to <http://csiberkeley.com/SAP2000API.html>



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AUG

7th

SEAONC San Francisco Meeting
Silver Dragon, Oakland

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SEAONC - August 7th Dinner Meeting Blast Simulator at UCSD

Monthly Program 08/07

5:30 pm Assembly
6:15 pm Dinner
7:15 pm Program

Silver Dragon
835 Webster St.
Oakland, CA 94607

NAME _____

COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE _____ FAX _____

RSVP by Fax: 415/ 764-4915, e-mail: office@seaonc.org, Phone: 415/974-5147

Registration Deadlines: Monthly Mtg: Noon, Thur. August 2nd.

Register early, seating is limited. No cancellations after deadlines listed above. No-shows are still responsible for full attendance fee.

Check here if you are a first time attendee

Cost - Monthly Meeting

	Pre-Registration	Late Reg.
SEAONC	<input type="checkbox"/> \$39	<input type="checkbox"/> \$44
Junior Mbr.	<input type="checkbox"/> \$33	<input type="checkbox"/> \$38
Student	<input type="checkbox"/> \$15	<input type="checkbox"/> \$15
Non-Mbr	<input type="checkbox"/> \$44	<input type="checkbox"/> \$49

- Paying by check make payment to SEAONC.
- Paying online (monthly meeting only) go to:
http://www.seaonc.org/member/member_s/events/order_form.asp
- Paying by credit card provide the following:
(SEAONC Accepts VISA, MC, AMEX)

Credit Card#: _____

Expiration date: _____

Signature: _____

Registration