

*October 15th Dinner Meeting Program, Michael's at Shoreline*

## October 15, 2002, Michael's at Shoreline, Mountain View Pre-Cast Hybrid Moment Resistant Frame

*Al Fink, Design-Builder Charles Pankow Builders, Ltd.*

*Ray Lui, KPFF*

*by Jamison Curry, Program Committee Chair*

The first of three South Bay SEAONC dinner meetings of the 2002-2003 season will be held on October 15<sup>th</sup> at Michael's at Shoreline. Al Fink of Design-Builder Charles Pankow Builders, Ltd. and Ray Lui of KPFF Consulting Engineers, will join us to discuss the Precast Concrete Hybrid Moment Resistant Framing system (PHMRF). This presentation will include design and construction details of the following local projects that utilized this innovative structural system:

### **Stanford Shopping Center: Parking Structure: Master Architect – ELS ♦**

### **Elbasani & Logan Architects; Parking Architect – HNA Pacific**

Completed in October 1999, this 475,000 SF, 1508-stall parking structure was the first application of the PHMRF technology in an area of high seismicity.

### **Stanford University Parking Structure V: Master Architect – ELS ♦ Elbasani & Logan Architects; Parking Architect – HNA Pacific**

Completed in January 2002, this 481,000 SF, 1508-stall parking structure also houses 1000 SF of office space for the campus shuttle system.

*Continued on page 3*

### *A Message from the President*

## ***You're Invited!***

Due to the timing of the SEAOC convention, there will be no monthly dinner meeting at the City Club in October. However, for all you hard-core technical addicts and social bugs the good news is that there will be a South Bay Dinner meeting on October 15<sup>th</sup>. I invite you to come join us at Michael's at Shoreline Park for dinner and a great program. Al Fink of Charles Pankow Builders and Ray Lui of KPFF will be speaking about the Precast Hybrid Moment Frame system. Examples will include the Stanford Parking Garage and the Pacific Plaza Office Building in Daly City. If you are not familiar with the system, it's a must see.

The October 15<sup>th</sup> meeting will mark the start of our second year of meetings in the South Bay. Last year we had meetings in October, February, and May, all held at Michael's. The average attendance was 75. Michael's is located at 2960 North Shoreline Blvd., Mountain View, CA. Take the Shoreline Blvd. exit off 101. Unlike San Francisco, there is plenty of free parking!

This is a great opportunity to expand your professional community and get together with your South Bay neighbors. I look forward to seeing you there.

*by Steven B. Tipping, SEAONC President*



*Pacific Plaza Office Building, Daly City*

### *Meeting Notice*

## **October Dinner Meeting October 15th, 2002**

### **Michael's at Shoreline**

*2960 N. Shoreline Boulevard*

*Mountain View*

*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, October 11th.**

*NOTE: New dinner prices, and new age for Junior Members (see back for details).*

**SEAONC WEBSITE**  
*<http://www.seaonc.org>*

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**October 15, 2002 Dinner Meeting; Michael's at Shoreline, Mountain View**  
**Pre-Cast Hybrid Moment Resistant Frame**

*Continued from page 1*

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**Pacific Plaza Office Building, Daly City: Project Architect – Kaplan McLaughlin Diaz**

Completed in July 2001, this 360,000 SF, nine-story office building was the first high-rise application of the PHMRF and was used to meet the challenges of a redevelopment site located less than 0.5 km from the San Andreas fault on poor soils.

Charles Pankow Builders, Ltd. served as the Design-Builder and KPFF Consulting Engineers performed the structural engineering services for each of the referenced projects.

In all three projects, the structural and architectural design takes advantage of the newly developed precast concrete hybrid moment resistant framing system. The PHMRF provides all of the lateral load resistance for the parking structures and is used in tandem with a cast-in-place concrete core for the office building. In addition to serving as the lateral load resisting structural system, the precast hybrid frame members are also exposed architecturally as the exterior skin for each building.



*Stanford University Parking Structure V*



*Stanford Shopping Center: Parking Structure*

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**2002 Summer Seminar Wrap-Up**  
**RETROFIT OF EXISTING BUILDINGS SEMINAR A SUCCESS**

*by Julia Hunting, Continuing Education Committee Chair*

The SEAONC Summer 2002 Seminar was held at the PG&E auditorium on August 21<sup>st</sup> and 28<sup>th</sup>, 2002. Over 250 people attended the seminar, which was entitled “Retrofit of Existing Buildings.” The topics ranged from a FEMA 356 code analysis and theoretical background on new provisions for tilt-up buildings to case studies and a detailed description of the seismic isolation design process.

Jon A. Heintz from Degenkolb Engineers started off the seminar with a FEMA 356 Overview. He was followed by Loring Wyllie, Jr, also from Degenkolb Engineers, who spoke about Historic Unreinforced Masonry Buildings. Stephen K. Harris and David McCormick of Simpson, Gumpertz and Heger concluded the first night with their presentation on Seismic Performance, Evaluation and Retrofit of Existing Tilt-Ups.

The second evening of the seminar, Dr. Charles Kircher of Kircher and Associates began with his presentation on Retrofit of Buildings Using Dampers. He was followed by Mason Walters from Forell/Elsesser who spoke about Seismic Isolation: Design and Construction Issues. Ronald O. Hamburger of Simpson, Gumpertz and Heger concluded the seminar with his discussion of Retrofit of Nonductile Concrete Structures.

Many thanks to all of the speakers for their informative presentations and thanks to the SEAONC office and Continuing Education Committee members Troy Morgan, Taryn Williams, Reina Farah, Jackie Bassett, Scot Listavich, C.S. Hwang, Nancy Aiello, Marci Uihlein, Howard Zee and Berta Rodriguez for all their help. Look for the announcement in this newsletter regarding the upcoming fall 2002 seminar on Practical Wood Design and Construction.

# Committees on Assignment

## BUSINESS FORUM OCTOBER PROGRAM:

### *Loma Prieta Earthquake: 13 Years of History and*

### *Earthquake Performance Improvements, Opportunities and Challenges in the Coming Years*

**Date:** Wednesday, October 16, 2002  
**Time:** 12:00 – 1:30 p.m., Lunch/Program  
**Place:** City Club  
155 Sansome Street  
San Francisco, California

**Speakers:**

**Mr. Joel McDonald**  
*State of California  
Real Estate Services Division  
Seismic Program Director*  
**Mr. Dan Shapiro, SE**  
*State of California  
Seismic Safety Commission*

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

Double Deck Viaducts are all gone – New Cypress Freeway – Central Freeway MIA? -ATC 33 - FEMA 273 – 274 – 356 - EBMUD \$122 million water system upgrades – Southern Loop — 3 meter Hayward fault offset predicted at Claremont Tunnel - \$1.0 billion BART Seismic Program – Anchor the BART Tube Down? – Liquefaction – Buoyant - FEMA 356 - State Proposition 122 - More Buildings in the Program -\$1.4

Billion Hetch Hetchy Aqueduct Seismic Retrofit– New Codes – more performance improvements required for existing buildings, infrastructure, and transportation systems - New East Span of the Oakland-San Francisco Bay Bridge.

The speakers will report on how Loma Prieta changed our profession, and the new opportunities and challenges that lie ahead.

**Make reservations by calling the SEAONC office (415-974-5147) by noon, Monday, October 14, 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 6+ employees and only \$75 for 5 employees or less. 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.*

## Committee Chairs

### **Business Forum**

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415/834-2010 Ext 3003  
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### **Continuing Education**

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### **Disaster Emergency Services**

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dbhom@degenkolb.com

### **Young Members Forum**

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

# Bulletin Board

## EERI-NC Events Planned for October

The EERI-Northern California Chapter's next meeting will be October 14. New officers will be elected.

"Best Practices" for earthquake risk mitigation will also be presented. The Best Practices have been collected by committees working on *Quake '06*, the Chapter's campaign to reduce earthquake risk in Northern California by the 100<sup>th</sup> anniversary of the 1906 San Francisco earthquake and fire.

The Chapter also plans a public presentation around the October 17 anniversary of the 1989 Loma Prieta earthquake.

The October 14 meeting will be at 5:30 pm at the ABAG offices in Oakland. SEAONC members with questions about EERI-NC, *Quake '06*, or the October events may contact SEAONC's liaison, David Bonowitz.

## YMF Announces New Vice Chair, San Jose State Student Night, and October 15th Committee Meeting

YMF would like to announce our new Vice-Chair Ali Afrasiabi ! Ali works for Ansari Structural Engineers, and now also for you! Please join us in welcoming the students from San Jose State at the October 15th Dinner meeting in the South Bay. The students will be treated to an office visit at Biggs Cardosa prior to the meeting. For more information contact either Ali, alia@ansariinc.com, or myself, Laura, lauray@tippingmar.com. Our next YMF committee meeting will be held on October 15th from 12pm to 2pm at Jillian's at the Metreon. All members young at heart are welcome to join us for pool, snacks, and social event brainstorming (our agenda)!

NEW DINNER MEETING  
PRICE STRUCTURE  
New South Bay dinner prices take effect this month. Also, the age to qualify for the Junior Member rate has been changed to 29 and under. Please see back page for details.

## Timothy Mathison Joins Tuan and Robinson

Tuan and Robinson Structural Engineers, Inc. is pleased to announce that SEAONC member Timothy Mathison has joined the firm as Vice President in charge of shoring, underpinning and retaining wall specialty design in the San Francisco office.

Tim has over 15 years professional experience from previous employment with SOHA Engineers, Harlan Tait Associates and Golder Associates. His recent projects include excavation shoring and underpinning for the St. Regis Hotel, 525 Golden Gate Ave, 1<sup>st</sup> and Howard Project and many other projects throughout the Bay Area.

Tuan and Robinson is excited by the new dimension and design expertise that Tim brings to the firm. Please feel free to call Tim if you need any advice for your next shoring, underpinning or specialty earth retaining project.

Tuan and Robinson Structural Engineers, Inc. is certified as a Minority Business Enterprise (MBE) in San Francisco.

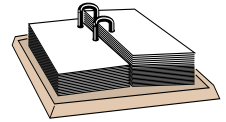
## Hamid Fatehi Joins Arup

Arup is pleased to announce that Hamid Fatehi, SE, has joined the San Francisco Office as Associate Principal. Mr. Fatehi has over 20 years experience working on high-profile projects throughout California, including the expansion of the Moscone Convention Center, Hyatt Regency in San Diego, and several projects at the San Francisco International Airport. He has worked on two notable historic retrofit projects in San Francisco: the Sheraton Palace Hotel and the US Court of Appeals, which is base isolated using friction pendulum isolators. His international projects of note include the Regent of Jakarta, the Hyatt Regency Surabaya in Indonesia and the Ayala Stock Exchange in the Philippines.

Arup, founded in 1946, is a global design engineering consulting firm. Since opening offices in the US over 16 years ago, Arup has grown to include 500 personnel in 7 offices: San Francisco, Los Angeles, New York, Boston, Detroit, Houston, and Toronto.

## EVENT CALENDAR

**Oct. 5 SEAONC ATC-20 Training, Santa Clara University**



**Oct. 15 South Bay Dinner Meeting at Michael's--San Jose State Student Night**

**Oct. 15 YMF Committee Meeting at Julian's at the Metreon**

**Oct. 18 Business Forum Luncheon Meeting, at The City Club, San Francisco**

**Nov. 12 East Bay Dinner Meeting at UC Berkeley Faculty Club--UC Berkeley Student Night**

**Nov. 14 & 21 SEAONC Seminar: Practical Wood Design and Construction**

## SEAONC Office Updating Referral List

The SEAONC project referral list is being updated. This list is available free of charge to the public. It is both a service to the community and an aid to SEAONC members. Members' firms are listed with contact information and project types. The SEAONC office estimates that it sends out between thirty and fifty lists each month. If you would like your company to be included please print out the Referral List Form on the website, fill it out, and return it to the SEAONC office. Don't be left out!

**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.

**STRUCTURAL ENGINEER. DES Architects + Engineers**, a full service A/E firm located in Redwood City seeks SE licensed engineer, 5-10 years experience with strong interest in seismic engineering, retrofit and new building design. Projects include corporate campus, schools, hospitals, etc. DES offers a competitive salary, benefits package and employee programs. Visit [www.des-ae.com](http://www.des-ae.com) and send résumés to Brandi Reyes at [jobs@des-ae.com](mailto:jobs@des-ae.com) or fax to 650/364-2618

**DeSimone Consulting Engineers (DCE)** has immediate openings in our San Francisco office for outstanding engineers with excellent communications skills and varying levels of experience in design of new buildings and seismic rehabilitation of existing buildings. We have several openings for project engineers with 4 to 5 years experience and a PE license, and for project manager level engineers with 5 to 8 years of experience and an SE license. We also have openings for structural drafters with 3 to 5 years experience. DCE has designed significant projects such as the Sony Metreon complex and the 37-story Four Seasons Hotel in the SF Bay Area. Currently we are working on several high rise building projects and our booked backlog of projects is significant, which provides a unique opportunity for creative and ambitious design engineers to participate in exciting and challenging projects and to grow with our firm. Founded in 1969, DCE is headquartered in New York City and also has a major office in Miami. We offer a competitive benefits package and a great work environment. Please send your letter of interest and resume to Ron Polivka, DCE, 10 United Nations Plaza, Suite 410, San Francisco, CA 94102 (ph. 415/398-5740) or e-mail to [rpolivka@de-simone.com](mailto: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](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), seeks and executes diverse, challenging projects, from the first OSHPD-approved seismic retrofit using base isolation [SEAONC News May 2002] to a 125-foot-tall, one-story building. Recognized by clients as an extraordinary firm, we're also a lot of fun and offer leadership potential. 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)

**Watry Design, Inc.** which is located in the San Francisco Bay Area, is in search of highly motivated engineers to join our rapidly growing team. Watry is a full service Architectural/Engineering Firm specializing in the design of large concrete structures, including high-rise hotels and apartments as well as award-winning parking structures. This position offers the right individual an opportunity to play an integral role in the design of multi-million dollar projects with a firm that fosters a cohesive family like environment. The applicant must possess a B.S. in Structural Engineering (or equivalent) with a P.E. or S.E license being highly desirable. A background in the design of concrete and post-tensioned structures, strong computer skills, and excellent communication skills are beneficial. If you would like further information regarding Watry Design, Inc., please visit our web site at [www.watrydesign.com](http://www.watrydesign.com). Submit all résumés

**Posting for Membership**

**Member SE**

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*Degenkolb Engineers*  
Jason Krolicki  
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Chan Siong Loh, Design Engineer  
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*Murphy Burr Curry*  
Eugene Suk, Assoc. Structural Engineer  
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**Corresponding**

Michael Ballou, Senior Structural Engr.  
*Ammann & Whitney*  
James Brzezinski, Senior Engineer  
*Ryan-Biggs Associates*

**Student**

David Ding, Graduate Student  
*San Jose State University*

to: Watry Design Inc., 815 Hamilton Street, Redwood City, CA 94063 attn: Lisa Blanton or you can send electronically to [lblanton@watrydesign.com](mailto:lblanton@watrydesign.com)

**Civil/Structural Engineers, Bozeman, MT**, seeking project engr w/5 yrs. Min. exp. In building structures; motivated, creative self-starter w/effective communication skills. Consider a move to a firm w/long-term growth potential, opportunity to utilize your skills on challenging and diverse projects. Assume the level of responsibility you have earned. Excellent benefits/environment. Fax résumé 406/582-9992; e-mail [sushiranger@hotmail.com](mailto:sushiranger@hotmail.com).

**Marr Shaffer & Miyamoto** is ready to hire the brightest and the best! We are looking for the right dynamic and competitive individuals to join our team. Established 56 years ago, MSM is one of the most respected engineering firms, and is currently the fastest growing structural engineering firm in Sacramento. Our projects range from complex high-rise structures to commercial buildings with expertise in seismic rehabilitation and state-of-the art design procedures. In earthquake engineering we design retrofits and new buildings with fluid viscous dampers, base isolators and fiber wrapped plastic. We need creative engineers and leaders to join our team. Communication skills and a commitment to be the best are essential. We offer attractive compensation, a complete benefit package, and a chance to take a great life journey! Check out our website at [www.msml.com](http://www.msml.com) and send résumés to [msm@msml.com](mailto:msm@msml.com). We are looking for two new team members: **Project Engineer** with 2+ years commercial building experience. **Project Manager** with extensive experi-

ence and excellent client relations, staff management and technical skills.

**Tipping Mar + associates** is an award-winning structural engineering firm. We have an enthusiastic staff of twenty-five who work collaboratively. Our approach is innovative, and our projects are diverse. We are seeking a bright, creative, self-motivated individual for a challenging position as a structural engineer. Please send your résumé with a cover letter to Tipping Mar + associates, 1906 Shattuck Ave, Berkeley, CA 94704, fax to 510/ 549-1912, or e-mail [steve@tippingmar.com](mailto:steve@tippingmar.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.*

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**2002 Structural Engineering Review Manual & Workshop**

[www.structuralsolutions.com](http://www.structuralsolutions.com)

The best structural review manual, edited by **Ben Yousefi, SE, James Son, SE** and **Rafael Sabelli, SE** just got better. The 660 page SERM, 2002 edition, now includes **LRFD solutions** to many of the steel Problems. The manual contains complete problem statements and solutions for the California SE exams 1990-1995 (6years). All solutions are per **1997 UBC** and problems have been upgraded to reflect the newer provisions in the code and in particular the seismic design requirements. A supplement containing several additional problems is also going to be available by mid July.

In addition, **Review Workshops** are being offered in Bay area and Los Angeles to provide an interactive learning environment for the users of the manuals. The workshops are instructed by some of the most reputable experts in the field of structural engineering, whom have been extensively involved in research and/or code development processes. For more information about the manuals and workshops please check our web site at the address above, email us at [structuralreview@aol.com](mailto:structuralreview@aol.com) or call 800-566-2906.

**Reminder:  
November Newsletter Deadline  
Thursday, October 10, 2002  
submit to: [seaonc@ix.netcom.com](mailto:seaonc@ix.netcom.com)**

**New Members**

**Member SE**

- Thomas Castle, Principal  
*Ficcadenti & Waggoner, Inc.*
- Kenton Lee, Principal, Structural Engineer  
*Liftech Consultants Inc.*
- Timothy Piland, Principal  
*Piland Structural Engineers, Inc.*
- Erik Soderberg, Principal, Structural Engr  
*Liftech Consultants, Inc.*

**Member**

- Christopher Bradbury, Staff Engineer  
*Biggs Cardosa Associates, Inc.*

- Tracy Fidell, Civil Engineer  
*Liftech Consultants, Inc.*
- Akshay Gupta, Senior Managing Engineer  
*Exponent Failure Analysis Associates*
- Josh Marrow, Senior Engineer  
*Simpson Gumpertz & Heger, Inc.*
- Timothy Mathison, Vice President  
*Tuan and Robinson*
- Patrick McCarthy, Civil Engineer  
*Liftech Consultants, Inc.*
- Taryn Williams, Designer  
*Degenkolb Engineers*
- Yi Yang, Project Engineer  
*Summit Engineering*

**Associate**

- Karin Deas  
*Structural Solutions*
- Andrew Jackson, Engineer  
*Arup*
- Che-Han Lee  
*W. Koo & Associates*
- Milo Zabala, EIT/Project Engineer  
*Strocal, Inc.*

**Student**

- Emily Guglielmo, Graduate Student  
*UCLA*

# THANKS TO SEAONC SCHOLARSHIP FUND DONORS

*Thank you to the following individuals and firms, who contributed to the SEAONC Scholarship Fund when renewing their 2002-2003 SEAONC Membership!*

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F. Robert Preece  
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Robert Bentson  
Charles De Maria  
William Fennell  
Sunil Gupta  
David Hammond  
Tim Hart  
William Kaplan  
Arnold Kohnert  
Eugene Miller  
Lowell Napper  
Harry Okino  
Burr Randolph  
Constantine Shkapsky  
Gregory Shriver  
Steven Tipping  
Erwin Wollak  
Thomas Wosser

## Under \$50

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Pedro Bello  
Samuel Fletcher  
Toma Goncerenco  
Larry Kulchin  
James Leach  
Frank Linhart  
John Lowney  
William Price  
Frank Valavanis  
Homer Wong

## September 10th Program Wrap-up- City Club, San Francisco DRIVEN PILE FOUNDATION DESIGN AND CONSTRUCTION AT UCSF MISSION BAY GENENTECH HALL USING ULTIMATE SOIL AND PILE CAPACITIES

*Donald W. Quigley, Harding ESE, Inc.  
and Jamison Curry, Rutherford & Chekene*

*by Jamison Curry, Program Committee Chair*

September's Program presented a case study of pile foundation design and construction. The speakers were Donald W. Quigley of Harding ESE, Incorporated, the project's geotechnical engineer; and Jamison Curry of Rutherford & Chekene, the project's structural engineer.

Mr. Curry started the presentation by describing the structural considerations for pile design at Genentech Hall, an eccentrically braced steel frame. To better confine yielding to the link beams in the steel superstructure, Genentech Hall's foundation design utilized ultimate capacities. Mr. Curry de-

scribed pile structural analysis and the resulting details that were generated.

Mr. Quigley then described the site geology and some of the tests made of piles to assess tension and compression capacity and pile/soil stiffness. Mr. Quigley also described the resulting pile capacities (1000 kips ultimate compression, 250 kips tension) and the driving of over 1240 production piles.

At completion of pile installation, the total length of piles installed was 101,000 feet, which was within two percent of the as-bid length for the foundation contract.

### 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.

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upcoming events

OCT

- 5 SEAONC ATC Training
- 15 South Bay Dinner Meeting/San Jose State Student Night--Michael's at Shoreline
- 15 YMF Meeting--Julian's at the Metreon
- 16 Business Forum Luncheon

NOV

- 12 East Bay Dinner Meeting/UCB Student Night--UC Berkeley Faculty Club
- 14, 21 SEAONC Seminar: Practical Wood Design and Construction

# Registration

## Structural Engineers Association of Northern California OCTOBER 15th SEAONC DINNER PROGRAM, MICHAEL'S AT SHORELINE

5:45 PM  
General Assembly

6:30 PM  
Dinner

7:30 PM  
Program

*"Precast Concrete  
Hybrid Moment  
Resistant Frame"*

Location:  
**Michael's at Shoreline, 2960 N. Shoreline Blvd., Mountain View**

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, October 11th, 2002**  
Dinner and program reservations are limited. Register early! No cancellations after 12 noon, Friday, October 11, 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.*

| COST:                     | PRE-REGISTERED                | LATE REGISTRATION             |
|---------------------------|-------------------------------|-------------------------------|
| 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 |

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