



# Celebrate... You!

## at the SEAOSC Membership Appreciation Event

Join us Sunday, May 4 at Six Flags Magic Mountain for a day of thrills, food and fun for the whole family!

Location: Six Flags Magic Mountain, 26101 Magic Mountain Parkway, Valencia, CA 91355  
Time: Park Hours 10:30am-8:00 pm, All-You-Can-Eat Afternoon BBQ Buffet 2:30-4:00pm

Your Ticket Includes:

- All-Day Admission to Six Flags Magic Mountain (Regular \$68 Adults, \$43 Children)
- All-You-Can-Eat Afternoon BBQ buffet in our private picnic pavilion
- First Round on Us! (Beer Keg followed by Cash Bar)
- Park sponsored entertainment, games and prizes
- FREE Return Ticket to Hurricane Harbor (Regular \$39.99 EA)

SEAOSC Members: **\$15** (Our thanks to YOU for your membership!)  
Nonmembers, Teens, Children (3+): **\$44** (Includes all above, a \$120+ value!)  
Free entry for children age 2 and under. Play area will be provided during BBQ.  
Self parking not included in ticket price (\$20 per vehicle).

Pre-registration **REQUIRED**. Register online at [www.seaosc.org](http://www.seaosc.org)  
Registration Deadline: **Friday, May 2, 10pm**  
For BBQ menu, directions, parking and park maps please visit [www.seaosc.org](http://www.seaosc.org)





## Nominations Announced for 2014-2015 Board Officers & Directors

The SEAOSC Nominating Committee, chaired by Senior Past President Janah Risha, has announced the following slate of nominations for the 2014-2015 Board of Directors:

Treasurer: Jeff Ellis, S.E.  
Member SE: Colin Kumabe  
Member SE: Paul Van Benschoten  
Member SE: Joe Valancius  
Member SE: Edgar Plazola

Additional nominations for office of Treasurer and four Directors may be submitted to the Nominating Committee by the membership in accordance with procedures outlined in the SEAOSC Bylaws Article VI, Section 2.

The membership will vote on the presented candidates by email survey in May. Survey responses must be received by 5 pm, Friday, May 30, 2014.

The results of the election will be announced at the June 5, 2014 annual awards dinner at Luminarias in Monterey Park, with the newly elected directors assuming office on July 1, 2014 for a two-year term.

Officers for 2014-2015, according to succession procedure, will be Kevin O'Connell, S.E., President, and Michelle Kam-Biron, S.E., President-Elect. Doug Thompson, S.E. will continue to serve on the board of directors as the Immediate Past President.

Also continuing on the board of directors will be Ryan Smith, P.E., James Parker, S.E. (Orange County), Kelsey Parolini, S.E. (Tri-Counties), and Ken O'Dell, S.E.

The SEAOSC Bylaws are posted online at [http://www.seaosc.org/about\\_bylaws.cfm](http://www.seaosc.org/about_bylaws.cfm)

## UPCOMING EVENTS

(See inside newsletter for reservation forms and details. View full calendar at [www.seaosc.org](http://www.seaosc.org))

### Post-disaster Safety Assessment Program Training

**Saturday, April 26, 2014**

**Location:** Grand Event Ctr, Long Beach

**Time:** 8:30 - 3:30 pm

**Registration & Program:** 8:00- 3:30 pm

**Cost:** Members: \$100, NonMbrs: \$160

### Webinar

**Thursday, May 1, 2014**

**Topic:** *Alternative Materials, Design & Methods of Construction Under the IBC*

**Time:** Noon - 1:00 pm

**Cost:** Members: \$75, Nonmembers \$150, Member of any SEA: \$100

### Membership Appreciation Event

**Sunday, May 4, 2014**

**Location:** Six Flags Magic Mountain

**Afternoon Picnic:** 2:30 - 4:00 pm

**View full details at [www.seaosc.org](http://www.seaosc.org)!**

### Los Angeles Dinner Meeting

**Wednesday, May 7, 2014**

**Topic:** *Current Trends in PT Design and Construction in North America*

**Location:** Luminarias, Monterey Park

**Networking:** 5:30 pm, **Dinner & Program:** 6:30-8:30 pm

**Cost:** \$35; Students: \$25; Walkins: \$45;

### Spring Education Programs

**Friday & Saturday, May 16-17, 2014**

**Location:** Long Beach Grand Event Ctr

**View full details at [www.seaosc.org](http://www.seaosc.org)!**

**Last chance for PDH credits this year.**

## President's Message

By Doug Thompson, S.E.

### SEAOSC's 2nd Annual Member Appreciation Event at Magic Mountain

On Sunday May 4th, it's with pleasure to announce SEAOSC's annual member appreciation event. As part of a benefit of membership, our Membership Committee and Board of Directors has arraigned for an afternoon of food, fun and rides for you and your family. Last year we had "A Day at the Races" and the event was very well received. We are expecting a good turnout for this event as well. For all who attend, there are discounted ticket prices and a special picnic area with all-you-can-eat BBQ lunch not available to regular park attendees. For our current SEAOSC members, there is even greater savings. We look forward to sharing this day with you. For event details and registration, please see the event flyer included in your Newsletter or visit [www.seaosc.org](http://www.seaosc.org)

### Retrofitting of Buildings in Los Angeles and Santa Monica

Michael Cochran (SEA-OC President), Kevin O'Connell (SEAOSC President-Elect) in addition to myself, have met with Dr. Lucy Jones twice. Dr. Lucy Jones has asked for the coordinated help of the Applied Technology Council and other experts in the field of older concrete buildings to help in efforts, priorities, including policies and procedures related to the retrofitting of non-ductile concrete buildings. In addition we recently met with, Ron Takiguchi, City of Santa Monica Building Official along with Raymond Chan, Interim General Manager of LADBS along with several others from the LADBS department to discuss coordinating efforts, priorities, policies and procedures related to retrofitting of hazard-



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## President's Message

(Continued From Page 1)

ous buildings. The recent 4.4 and 5.1 magnitude earthquakes that Southern California experienced has certainly raised the public's and media's attention to earthquake safety and awareness. We as Structural Engineers couldn't be at a more opportunistic time to see that our hazardous buildings are retrofitted.

### Panel Discussions with Architects

For our April lunch meeting that was held at the USC Radisson on "State of Practice-The Architect's Perspective" was a huge success! I would like to thank our distinguished panel of local architects, Paul Coleman, Arnold Swanborn, Bill Schmalz and Marlon Steiner for taking their time to come and state their respected opinions and our board director James Parker for doing an excellent job moderating. We only wished that there was more time for questions to the panel.

### Spring Education Programs on Timber and Steel

It is with pleasure that on May 16th and 17th, at the Grand Event Center in Long Beach, SEAOSC will be hosting our Spring Education Programs. On Friday the 16th, we will have a whole day of selected presentations on topics that are the latest technical design information in timber design and on Saturday the 17th, we will have a whole day of the latest technical design information in steel design. Please see our flyer in your Newsletter or visit [www.seaosc.org](http://www.seaosc.org)

### May Dinner Meeting

Wednesday, May 7th SEAOSC will be hosting the annual ACI/SEAOSC Joint Dinner Meeting at Luminarias Restaurant, where we will have an outstanding presentation on "Current Trends in PT Design and Construction in North America". We will hear how designing concrete structures with prestressing continues to advance. Don't miss this highly attended event. Please see our flyer in this Newsletter or visit [www.seaosc.org](http://www.seaosc.org)

### Post-Disaster Safety Assessment Evaluator Training

Saturday April 26th, SEAOSC and CalOES will be hosting our annual training for the CalEMA Safety Assessment Program for practical building evaluation exercises. The event will be held at The Grand Event Center in Long Beach. If you already have a CalOES card, please check the expiration date. Older cards with indefinite expirations or expired cards are no longer valid. Enrollment in SAP Evaluator Program will be necessary to recertify. Please see our flyer in this Newsletter or visit [www.seaosc.org](http://www.seaosc.org)

As a reminder, the SEAOSC Board of Directors works on behalf of our membership. If there are any general or specific issues or items you would like to see or have an answer to a question, please contact any of our board members.

To all of you, thank you for being a part of this association.

*Doug Thompson*

## Deadline Approaches- April 30, 2014: 2014 Excellence In Structural Engineering Awards

The annual SEAOSC Excellence in Structural Engineering Awards program is dedicated to publicly acknowledging outstanding achievements in creative design, technical innovation, best practices and demonstrated contributions to both the public and the structural engineering profession.

The awards program honors the on-going commitment to advancing the art and science of structural engineering for both the built environment and public safety.

The rules and regulations for the annual awards program can be obtained by downloading the entry packet from [www.seaosc.org](http://www.seaosc.org).

**Entry date submission deadline: 5:00 pm, April 30, 2014 at STB Structural Engineers, Inc., Tustin**



## SEAOSC Calendar



### APRIL 2014

26	8:30 am	Post-Disaster Safety Assessment Program Training	Grand Event Center, Long Beach
29	2:00 pm	Existing Buildings Committee	GoToMeeting
30	5:00 pm	Excellence Awards Deadline	Tustin

### MAY 2014

1	Noon	Webinar	GoToWebinar
4	All Day	Membership Appreciation Event	Six Flags Magic Mountain
7	3:00 pm	Board of Directors Meeting	Luminarias, Monterey Park
7	5:30 pm	L.A. Dinner Meeting	Luminarias, Monterey Park
14	Noon	Image & PR Committee	GoToMeeting
16 & 17		Spring Education Programs	The Grand, Long Beach
21	7:00 pm	Seismology Committee Meeting	CSULA
30	5:00 pm	Board Nominations Voting	Email Ballot

### JUNE 2014

4	3:00 pm	Board of Directors Meeting	Luminarias, Monterey Park
4	5:30 pm	L.A. Dinner Meeting- EISE Awards & Past Presidents' Night	Luminarias, Monterey Park
26	Noon	Webinar	GoToWebinar
30		SEAOSC Membership Year Ends, Time to renew your dues!	

**Mark your calendar now or save this page. Don't miss your favorites!**  
**Topics and dates subject to change — for the latest seminar details and registration go to [www.seaosc.org](http://www.seaosc.org)**

### SAVE THE DATE

SEAOSC is hosting the second annual **Spring Education Programs on Friday, May 16 & Saturday, May 17**. The popular format will include a half-day of educational sessions on Friday, with a happy hour reception and a full day of programming on Saturday. SEAOSC members are welcome to attend at the SEAOSC member rate!

This is the last of three opportunities to earn Professional Development Hour credits this year!

See registration flyer and sponsorship opportunities in this issue.

## SEAOSC ANNUAL EVENTS: 2014

Feb. 5:	Student Awards Night Night
Mar. 21 & 22	Winter Educational Programs, Long Beach
Apr. 30	Deadline to Submit Excellence in Structural Engineering Posterboards
May 4	Membership Appreciation Social Event
May 16-17	Spring Educational Programs, Long Beach
June 4	Excellence in Structural Engineering Awards Dinner & Past Presidents' Night
August 25	Golf Tournament, Whittier
September	SEAOSC Convention, Indian Wells, CA
October	Buildings At Risk Summit,
October	Great CA Shakeout Event

Information regarding these events can be found on the SEAOSC website.

## Seminar Registration How-To

Please go to [www.seaosc.org](http://www.seaosc.org) for secure online registrations or use the enclosed registration flyers. Be sure to remember to log in to the website as a member to take advantage of SEAOSC's member benefit of member pricing. It is advised to register early to ensure a seat. Please note that confirmations will only be given to those people who register via the SEAOSC Website.



Next SEAOSC  
 Newsletter Deadline:  
 May 9  
 for the June Newsletter



## *Thank You 2014 Sponsors!*

SEAOSC announced NEW sponsorship packages in January for 2014-2015. Thank you to the following companies for their generous sponsorship. We look forward to working with you closely in the year to come.

**ICC Evaluation Service**

**BillQuick**

**Simpson Strong-Tie**

**Side Plate Systems, Inc.**

If you or your firm are interested in a sponsorship, please view the available packages and details from the homepage of [www.seaosc.org](http://www.seaosc.org) or in the January 2014 Newsletter issue.

## **WELCOME, New Members!**



### **Affiliate**

Denise Fay, LA County of Education, [fay\\_dm@yahoo.com](mailto:fay_dm@yahoo.com)

### **Associate- AS1**

Enrique Orozco, NOV Ameron – Rancho Cucamonga, [enriquecalpoly@gmail.com](mailto:enriquecalpoly@gmail.com)

### **Member**

Kingsley Ozegbe, MWD – Los Angeles, [kingsozegbe@hotmail.com](mailto:kingsozegbe@hotmail.com)

### **Member SE**

Chris Cottone, L.A. Dept. of Water and Power – Los Angeles, CA, [ccott1@aol.com](mailto:ccott1@aol.com)



**Bill Warren, S.E.**  
Member since 1981

ABC Channel 7 filmed a television segment at the Simpson StrongTie facility in Riverside on April 4, 2014 to highlight the Earthquake Country Alliance Meeting. The segment aired at 6:00 pm the same day and discussed retrofitting. SEAOSC members Tim Kaucher, Simpson Strong, and Bill Warren, SESOL Inc., were included in the segment.

The segment can be viewed on ABC7's website:  
<http://abclocal.go.com/kabc/video?id=9492478>

**Tim Kaucher, P.E.**  
Member since 2006



# *In Memorium*

## *Nicolino G. Delli Quadri*

December 15, 1946 - March 23, 2014

*SEAOSC Member since 1990*  
*Awarded Public Service Award 2013*

Nicolino (Nick) G. Delli Quadri passed away March 23, 2014 at 67 years old at home in Arcadia, surrounded by his family. Born December 15, 1946 in Agnone, Italy to Luigi and Giuseppina Delli Quadri, Nick immigrated from Italy to Windsor, Canada at two years old along with his younger siblings, Vince and Antoinette. In 1955, Nick's family moved to North Hollywood, where he ran a paper route, was a dedicated Boy Scout and tinkered with his bikes and cars.

After graduating from North Hollywood High, Nick earned a BSc and MSc in Engineering from CSUN. He worked with the Dept. of Building & Safety, City of Los Angeles as a civil and structural engineer for over 36 years in building design, construction and code development and enforcement.

In Winter 1979, Nick traveled to Taiwan, where, after months of exchanging letters, he married his wife Michelle. Together they raised their two children in Granada Hills.

Nick was a major contributor of Code Development, primarily wood, since the Northridge earthquake in 1994. Nick participated in both "Cripple Wall" and "Hillside Building" subcommittees with other well-known structural engineers from SEAOSC. Early on, Nick was the Training Officer for LADBS, where he trained and influenced many new and experienced engineers. His primary responsibility was to train LADBS newest Assistant Engineers; many of which had very successful careers with the City and beyond the City to become City Manager, like Mr. Patrick Glover (City of Chino) for example. He also trained the plan checking engineering staff of the new energy conservation standards that

was first adopted by California.

Later, as he was promoted, he became the Chief of Training and Emergency Management, Assistant Engineering Bureau Assistant Chief, then to Chief of Engineering Bureau one of four LADBS bureaus. He retired in 2007 as Deputy Superintendent of Building but remained closely involved in developing city building codes for high rise projects and participated with the LA Tall Building Structural Design Council.

Nick was a handyman who could fix almost anything on a car or at home with the right tools and research. He loved science and learning, often reading physics textbooks for fun. He shared a passion for cooking with his children, teaching them how to prepare traditional Italian dishes like his mother used to make.

Nick is loved and survived by his wife Michelle, his children Stefani Thomas and Lino Delli Quadri and their spouses, and his grandson Elliott Thomas, who will forever be grateful for the love and wisdom he shared.

Visitation: Thursday, Mar. 27, 2014, 4:00 pm - 8:00 pm  
Cabot & Sons Chapel 300 N. Fair Oaks Pasadena

Service: Friday, Mar. 28, 2014, 11:00 am  
St. Patrick's Catholic Church, 6153 Cahuenga Blvd, North Hollywood

Cemetery: San Fernando Mission Cemetery

*See [cabotandsonsfh.com](http://cabotandsonsfh.com) for additional details.*



*SEAOSC President Doug Thompson, left, presents Nick Delli Quadri, right, with the 2013 Public Service Award which is given, when appropriate, to a public official member who has contributed greatly to SEAOSC.*

# Earthquakes: LA Developing Nation's First Building Safety Rating System (Update)

By Sanden Totten, April 11, 2014

<http://www.scpr.org/news/2014/04/11/43440/earthquakes-la-developing-nation-s-first-building/>

**Los Angeles** is planning a first of its kind system for rating the seismic safety of buildings.

Mayor Eric Garcetti made the announcement Thursday during his State of the City address, calling the plan a “game changer.”

Garcetti also said he wants to “create plans to mandate that our older buildings are retrofitted.”

The city has taken steps to retrofit unreinforced brick building but not certain types of concrete and wood-frame buildings . The city council has been reluctant to order those retrofits, largely out of concerns the costs would be prohibitive for building owners.

In his speech, Garcetti appeared to acknowledge those concerns.

“Some critics say the cost of those upgrades may be high,” he said. “But as we saw with Hurricanes Sandy and Katrina, the cost of being unprepared is much higher.”

Related: 4 tips for talking to children about earthquakes

Garcetti said Los Angeles can't afford to wait to take steps to increase earthquake safety.

“This past month, we've had two earthquakes, literal wake up calls to remind us that the big one is indeed coming,” he said.

The mayor's announcement comes nearly three months after he partnered with U.S. Geological Survey seismologist Lucy Jones to come up with ways to improve the city's ability to rebound after a major earthquake.

“What it will be like will depend a lot on what we do in the next year,” Jones said at the time.

Advocates for seismic safety have long called for a rating system to evaluate the safety of buildings during a major quake.

The non-profit group US Resiliency Council has been

working on developing a similar rating system.

**Michael Cochran**, president of the Structural Engineers Association of California, says it's a daunting task, in part because there are so many variables when it comes to seismic safety.

He says one of the first challenges facing Garcetti and Jones is establishing what criteria to use to rate the buildings.

**“Is it purely life safety? Is it repair cost? Is it the functionality, how long it's going to take to get the building back up?” Cochran said.**

He added that the rating system would have to be complex enough to take many variables into account yet presented in a way that ordinary people can understand.

He points out that the U.S. Green Building Council managed to overcome some similar challenges when creating the LEED certification program for eco-friendly structures.

It's still unclear how the Los Angeles program would work. KPCC reached out to both Mayor Garcetti's office and Dr Jones, but neither responded to requests for interview.

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Sanden Totten, Science Reporter  
89.3 KPCC Southern California Public Radio  
Follow @SandenTotten on Twitter





# Mayor Eric Garcetti Seeks Rating System for Buildings' Seismic Safety

By Rong-Gong Lin II, Rosanna Xia, Doug Smith, April 11, 2014

View full article: <http://www.latimes.com/local/la-me-earthquake-ratings-20140412,0,7172197.story#ixzz2yzlELwQw>

**Mayor** Eric Garcetti wants buildings across Los Angeles to be graded for their seismic safety as part of an ambitious plan to help residents understand the earthquake risks of their office buildings and apartments.

Garcetti announced what would be the nation's first seismic safety grading system for buildings during his State of the City address Thursday, when he also for the first time said he supports some type of mandatory retrofitting of older buildings that have a risk of collapse in a major earthquake.

Informing the public about the quake safety risks of buildings has been discussed for years but until now has gained little political traction. New Zealand is now developing its own building rating system after a devastating 2011 earthquake killed 185 people.

The details of L.A.'s rating system are still being worked out but it would involve some type of scientific assessment that would rank the safety of various buildings, said Lucy Jones, a U.S. Geological Survey seismologist whom Garcetti recently appointed as the city's earthquake advisor.

Grading the quake risk would be a huge undertaking. The city would first have to agree on a standard for evaluating buildings. Then it would have to come up with a process for inspecting each building, a task that could be long and complicated. Finally, officials would need to decide how to publicize the grades, either using placards on buildings like the restaurant health grading system or on a website.

"How do you get a million evaluations done?" Jones said. "You realize that's not something that's going to happen in the next year."

Still, Jones called Garcetti's proposal "unprecedented" and said it was a significant move in improving seismic safety in Los Angeles. Jones said a rating system developed by the U.S. Resiliency Council, a volunteer group of structural engineers, could serve as a model. That system uses ratings of 1 to 5 stars.

A 1-star building would signify multiple, widespread deaths, while 2 stars would warn of deaths in isolated areas. Three stars would mean no deaths; four stars, no injuries; and five stars would mean no one would be expected to be trapped. The stars could be posted in the lobby.

"We need to have very clear descriptions of what the ratings mean," Jones said. "Something like, 'This building can kill you' or 'This building you can probably use the next day.' And some things in between. But I want the descriptions to be that clear because I think that this is only going to work if people understand it." The rating system is likely to face opposition from building owners, who in the past have feared that their properties would lose value if rated as being at risk in the event of a huge temblor.

Jones said she has already been talking to owner and tenant groups about what the system could look like.

Ron Mayes, a Bay Area structural engineer and acting president of the U.S. Resiliency Council, said that right now, most tenants have no way of knowing whether their buildings pose a seismic risk. "They have no clue what is the earthquake status of the building," he said.

[The San Francisco Planning and Urban Research Assn. in 2009 proposed a similar program using letter grades. "A" grades would mean buildings would be operational after a quake, Bs would be usable while repairs were made and C buildings would have to be vacated during repair. D buildings wouldn't cause fatalities but would be unrepairable, and E structures would be the most unsafe.](#)

"For me, those are words that people understand," said Chris Poland, a structural engineer and coauthor of the report. "The thing that bothers me is that there is no transparency, and people don't understand, and they don't even have a chance to make a decision." One class of buildings that poses particular risks in Los Angeles is older concrete buildings. A Times story in October reported that by the most conservative estimate, as many as 50 of the more than 1,000 older concrete buildings in the city — those built before 1976 — would collapse in a major earthquake, exposing thousands to injury or death.

The costs for an engineering assessment of a single building could be tens of thousands of dollars or more. The fixes could cost \$1 million or more.

Wooden apartment buildings with weak ground floors have also generated concern. Known as "soft-story" structures, they often are built over carports and held up with slender columns. The 1994 Northridge earthquake damaged or destroyed about 200 of these structures, and 16 people died in the Northridge Meadows apartment complex when the upper floors collapsed onto the first floor.

Political opposition and a lack of interest on the City Council in the 1990s thwarted efforts to require older buildings to be strengthened against earthquakes.

Garcetti alluded to this past opposition during his speech Thursday, saying that should not prevent the city from taking action now, both on grading and on some type of mandatory retrofitting.

["Some critics say the cost of those upgrades may be high. But as we saw with hurricanes Sandy and Katrina, the cost of being unprepared is much higher," he said.](#)



Presented by the SEAOSC Disaster Emergency Services Committee

# Post-Disaster Safety Assessment Evaluator Training



**Saturday April 26, 2014 • 8:30 am - 3:30 pm**  
**The Grand Event Center, Long Beach, CA**

This training will provide a comprehensive overview of the California Emergency Management Agency (CalEMA) Safety Assessment Program, practical building evaluation exercises, criteria for assessing the severity of facility and lifeline systems damage, and procedures for posting and barricading. The ATC 20-1 Field Manual: "Post-Earthquake Safety Evaluation of Buildings, Second Edition" and additional materials will be provided.



*"All registered SAP evaluators must be professionally registered engineers, professionally licensed architects, certified building officials or inspectors. They must also have a general knowledge of construction, professional experience and judgment."* Those without the above qualifications may attend but will not receive a state-issued Cal OES card.

Those already possessing a CalOES Office of Emergency Services card should check their expiration date. State-issued cards expire five years after the training date. **Please note that older OES cards with indefinite expirations or expired cards are no longer valid.** Enrollment in SAP Evaluator Program will be necessary to recertify.

If your SAP Evaluator card has recently expired or is about to expire, you can continue your registration in the program by taking an online refresher training. Visit <http://www.calema.ca.gov/Recovery/Pages/Safety-Assessment.aspx> for more information.

Licensed or certified professionals who are members of ASCE, AIA, SEAOC or CALBO will receive a new SAP volunteer card and will be allowed to "tag" buildings in the event of a disaster. This process is not intended to identify or quantify damaged facilities but to evaluate their potential for safe use.

SEAOSC Seminar:  
**Post-Disaster Safety Assessment Evaluator Training**

**Saturday, April 26, 2014**

Registration: 8 am, Seminar: 8:30 am - 3:30 pm  
 (Includes continental breakfast, box lunch & ATC 20-1 Field Manual)

The Grand Event Center, 4101 E. Willow St., Long Beach, CA 90815



(Circle the amount applicable to your registration.)

Cost	Before April 11	After April 11
SEA Member	\$75	\$100
Non-member	\$135	\$160
Unlicensed*	\$115	\$140

Attendees will receive 6 professional development credits.

“All registered SAP evaluators must be professionally registered engineers, professionally licensed architects, certified building officials or inspectors. They must also have a general knowledge of construction practice, professional experience and judgment.”

**Four ways to register:**

① Register online at [www.seaosc.org](http://www.seaosc.org)  
 (Members: Log in using Username & Password for Member Discount)

② Fax completed form with credit card information to (562) 692-3425.

③ Mail Completed form with check made out to SEAOSC to 1105 S. Euclid St. #D409, Fullerton, CA 92832.

④ Email form with credit card information to [seaosc@seaosc.org](mailto:seaosc@seaosc.org).

*Note: Confirmations will be issued in response to online reservations only.*

Name:

Phone:

Fax:

SEA Member

Non-member

Credit Card Number:

Expiration:

Amount:

Pin number (last 3-4 digits on back of card):

Complete Billing address including zip code:

LEGIBLE E-mail Address:



## Webinar: Alternative Materials, Design, and Methods of Construction under the IBC

*Thursday, May 1, 2014*

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This program will address the challenges and opportunities structural engineers face when specifying alternative designs, materials, and methods to those permitted by the International Building Code. Part one, will concentrate on issues to consider when dealing with the applicable code provisions. Part two, to occur in July, will focus on research reports and the evaluation services producing these reports.

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Michael Merrigan, PE, Esq., Senior Engineer, Uniform Evaluation Services  
Merrigan has over 30 years of experience in civil/structural engineering and building product development, including 10 years with ICC Evaluation Service and ICBO Evaluation Service. Mike has worked in construction, product testing laboratories, forensic engineering, and consulting.



Brian Gerber, P.E., S.E, is the Technical Director of Uniform Evaluation Services. He has nearly 35 years of engineering experience, encompassing building construction from inspection to design to standards writing. Brian holds degrees in engineering and business, and is a registered structural engineer. His research efforts have been detailed in technical papers and presentations delivered to prominent structural engineering organizations such as the National Council of Structural Engineering Associations, and the Structural Engineers World Congress.

Time: 12:00pm-1:00pm

Cost: SEAOSC Members: \$75, NonMembers: \$150, Members of any SEA \$100

### **To Register Online:**

1. SEAOSC Members: Login with your username & password to access the member discount.
2. Everyone: Click "Store/Webinars"
3. Click on SEAOSC Webinars in left column.
4. Locate the item under "Featured Presentations" and click "Add to Cart".

*Notes available for download after registration using the link provided.*



Structural Engineers Association  
of Southern California



American Concrete Institute  
*Always advancing*

# American Concrete Institute & SEAOSC Joint Dinner Meeting

## Wednesday, May 7, 2014

### “Current Trends in PT Design and Construction in North America”

Location: Luminarias Restaurant, 3500 Ramona Blvd., Monterey Park, CA

### **Speaker: Miroslav Vejvoda, MBA, P.E.**



Mr. Vejvoda, Technical Director, Post-Tensioning Institute, is responsible for PTI's technical publication development, is Secretary of the Technical Advisory Board (TAB), and is the Editor of the PTI JOURNAL. He provides technical assistance on matters related to PT design and construction. He has been involved in the design and construction of all kinds of PT applications across the U.S. and in Europe for over 25 years. He is a Fellow of ASCE and ACI and is a member of ACI Committee 301, Specifications for Structural Concrete; ACI 350, Environmental Engineering Concrete Structures; and Joint ACI-ASCE Committee 423, Prestressed Concrete.

Time: Social Hour & Networking 5:30 p.m.; Dinner 6:30 p.m.; Program 7:30 p.m.

Cost: \$35, Students: \$25, Table of 8 \$245  
Walk-In \$45

Reservations: Make advance reservations via SEAOSC.org, fax or email.  
Prepay by providing your credit card number & expiration date. “Walk-ins” welcome.

#### LA DINNER MEETING RESERVATION FORM: May 7, 2014

Please print legibly!



Attendee(s): \_\_\_\_\_ @ \$35 = \$ \_\_\_\_\_

Students: \_\_\_\_\_ @ \$25 = \$ \_\_\_\_\_

Table of 8: \_\_\_\_\_ @ \$245 = \$ \_\_\_\_\_

**TOTAL = \$ \_\_\_\_\_**

# of Vegetarian Entrees Requested \_\_\_\_\_

Name(s): \_\_\_\_\_

Firm: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Card number: \_\_\_\_\_ Expiration date: \_\_\_\_\_

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# SPRING EDUCATION PROGRAMS

Friday & Saturday, May 16 & 17, 2014

Grand Event Center, 4101 East Willow Street, Long Beach, CA 90815

**Attend One Day:** \$225 (Member) or \$450 (Non-Member)  
**Attend Both Days:** \$395 (Member) or \$790 (Non-Member) **Best Value!**  
*\*Registrations received after May 7th add 20%*

~Members of SEAOSD receive the Member price for either session.  
~Students with valid ID receive 50% discount off Member price  
  
*Special pricing not available online, please fill out and return flyer.*

### Session 1 (Friday, May 16, 8:00am-3:00 pm): 5.25 PDH credits

- *Overview Current/Future Codes effecting Midrise Construction and Special Design Considerations related to Shrinkage* (Michelle Kam-Biron, PE, SE, SECB)
- *Advantages of Wall Panelizing in Mid-rise Wood Construction* (Brian Larrabue, President, Larrabue Framing & Stepan Tresl, BLF Inc.)
- *NEES-Soft: Soft-Story Wood Frame Testing* (Dr. John van de Lindt, Colorado State University)
- *Advanced Framing* (Karyn Beebe, PE, LEED AP, APA)
- *Quality Control in Mid-Rise* (Bill Nelson, SE, NCE Structural Engineers)

### Session 2 (Saturday, May 17, pm): 6.5 PDH credits

- *Characterizing Ground Motions that Collapse Steel SMRF Buildings* (Prof. Thomas Heaton)
- *Structural Performance of Moment Connections and Braced Frame Connections in the Context of Southern California Seismicity* (Ashi Dhalwala)
- *Design and Behavior of Concentric Braced Frames- OCBFs and SCBFs* (Patxi Uriz)
- *Recommended Design Guidelines for OCBFs.* (Patxi Uris, Ashi Dhalwala, Peter Maranian)
- *A Practical Update on the Use of Buckling-Restrained Braced Frames (BRBFs)* (Walterio López)
- *QA Program guidelines for Steel Structures* (Michael Cochran)
- *Quality Control Program for Structural Steel Fabrication and Erection* (Ted Peet)

Visit [www.seaosd.org](http://www.seaosd.org) for additional program details. Please return form with payment via email: [seaosd@seaosd.org](mailto:seaosd@seaosd.org), fax: 562-692-3425. Late fee applies beginning May 7, 2014 and will be added to total if omitted below. Cancellations refundable until May 12<sup>th</sup>.

## SPRING EDUCATION PROGRAMS REGISTRATION

Contact/Attendee Name(s): \_\_\_\_\_

Firm: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Please indicate sessions attending:  
Session 1: Friday  
Session 2: Saturday  
Are you a SEAOSD Member? Yes

	Member	Non-Member	Student
<b>Attend Either Session:</b>	_____ @ \$225	_____ @ \$450	_____ @ \$113
<b>Attend Both Sessions:</b>	_____ @ \$395	_____ @ \$790	_____ @ \$198

*After May 7 add 20% = \$\_\_\_\_\_*

TOTAL= \$\_\_\_\_\_

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## Spring Education Programs Sponsorships

Spring Education Programs will be held on Friday, May 16 & Saturday, May 17, 2014  
At the Grand Event Center, Long Beach, 4101 East Willow Street, Long Beach, CA 90815

**Event Sponsor: \$2500:** Recognition with posterboard at Friday-Session 1 Networking Happy Hour, 2-day "large" exhibit display area, 2 page advertisement in attendee notes binder  
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**Gold Sponsor: \$1250:** 2-day tabletop exhibit display, 1 page advertisement in attendee notes binder

**Sponsor: \$500:** 2-day tabletop exhibit display

*Advertisements/artwork must be submitted by May 7, 2014 for inclusion in the notes binder.*

Please direct questions to:

Lynn Hanger, SEAOSC Executive Director, [seaosc@seaosc.org](mailto:seaosc@seaosc.org), 562-908-6131

*Please return form with payment via email: [seaosc@seaosc.org](mailto:seaosc@seaosc.org), fax: 562-692-3425, or mail: 1105 S. Euclid St. #D409, Fullerton, CA 92832. Please make checks payable to "SEAOSC".*

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

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	Daniel Traub	310-254-1900	dtraub@walterpmoore.com
SEAOSC Executive Director	Lynn Hanger	562-908-6131	seaosc@seaosc.org

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	*Board Contact Chair(s)	Phone	Email
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