



FALL WELCOME EVENT

SOCIALIZE AND NETWORK AT THE COMMITTEE SHOWCASE

- ◆ Engage with current committee members to learn about committee goals and ongoing projects.
- ◆ Network and participate for greater IMPACT in your profession and community.
- ◆ Visit with our sponsors to learn about new products and services.

Agenda:

5:30pm-6:30pm
Social & Registration

6:00pm-7:15pm
Committee Showcase,
Networking & Hors D'Oeuvres

7:30pm-9:00pm
Dinner & Presentation

Cost:

Enroll on or before 8/26/16 for
Early-Bird Discount

Early Bird / Regular

Individual Tickets

Members: \$45 / \$55
Non-Member: \$55 / \$65
Students: \$25 / \$25

Onsite Fee: \$10

Reserve a Table of 8:

Member: \$315 / \$385
Non-Members: \$385 / \$455

Exhibit/Sponsorship Opportunity

Single Event: \$425
Package of 4 Events: \$1500
(limited to 10 sponsors total)

Includes:

- Exhibit Table
- 2 Exhibitor Tickets (incl. Dinner)
- 2 Dinner Tickets

For more Information,
[visit seaosc.org](http://visit.seaosc.org)

[REGISTER NOW!](#)

Wednesday, September 7, 2016

Committee Showcase, Networking, Hors D'Oeuvres
Dinner & Presentation

Luminarias Restaurant

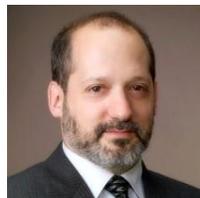
3500 Ramona Blvd. Monterey Park CA 91754

[Register Here](#)

PRESENTATION: NOT TOUGH ENOUGH: THE CASE FOR RESILIENT SEISMIC DESIGN

ASCE 7's life-safety seismic objective bakes catastrophe into the building stock. A large earthquake like a M^w 7.8 Southern San Andreas earthquake or M^w 7.0 Hayward Fault event could cause shaking approaching or exceeding MCE^R across thousands of square kilometers. If we get exactly the performance the code assumes, that earthquake could cause 10,000 code-compliant buildings to collapse and 500,000 to be red- or yellow-tagged in either metropolitan area. In the Bay Area, that would amount to 1 in 4 buildings, enough to produce outmigration like New Orleans after Katrina. Alternatively, ASCE 7 could drop the 2/3 factor in two design equations to make new buildings 50% stronger. Doing so could reduce damage to the extent that 95% of people could shelter in place in the Big One. The change would raise building cost about 1%, as opposed to the much larger cost to retrofit existing buildings to achieve the same end. A first-of-its-kind survey finds that the public expects and would willingly pay for such resilient buildings. Leading engineering ethicists find that ASCE's Code of Ethics requires ASCE 7 to reflect those preferences in design. But cities need not wait for ASCE 7 and the ICC to agree. They can adopt the IBC with a 1-sentence modification and start building the resilient building stock that the public expects.

PRESENTER



Keith Porter, PE PhD
University of Colorado Boulder

Dr. Porter is a Research Professor in Structural Engineering and Structural Mechanics at the University of Colorado Boulder and Principal of SPA Risk LLC. He specializes in risk from natural disasters and 2nd generation performance-based earthquake engineering. Notable works include the 4:1 natural-hazard benefit-cost study for the US Congress, the San Francisco Community Action Plan for Seismic Safety's soft-story study, and the engineering risk analyses of the USGS' ShakeOut, ARkStorm, Tsunami Scenario, and HayWired Scenario. He is a licensed Professional Engineer and author of 170 scholarly and professional works.