SEAONC 2010 FALL SEMINAR

RETROFIT CASE STUDIES

Wednesday, November 3 & 10, 2010
Registration: 5:15 - 6:00 p.m.
Seminar: 6:00 - 9:00 p.m.

PG & E Auditorium
245 Market Street, San Francisco

STRUCTURAL ENGINEERS ASSOCIATION
SEA
NORTHERN CALIFORNIA
FOUNDED IN 1930

The SEAONC Fall Seminar will focus on creative and efficient retrofit case studies. The Seminar will allow attendees to learn analytical and detailing concepts on a variety of projects, including advice on how to use ASCE-41 efficiently. Presentations will cover a wide variety of building types and take attendees through the process from initial analyses through project completion.

Evening 1

Introduction - Chris Poland, SE Degenkolb Engineering

Retrofit of a Steel Building using BRBFs -Anindya Dutta, PhD, SE
and Dave McCormick, SE of Simpson Gumpertz & Heger Inc.

Retrofit of a 3-Story Steel Moment Frame Building – Concept to Design -
Blake Inouye, SE of KPFF Consulting Engineers

Evening 2

Preservation of Historic Building Elements - Rene Vignos, SE of Forell-Elsesser Engineers

Benefits and Challenges of Implementing ASCE 41-06: A Case Study-
Bill Tremayne, PE of Holmes Culley Structural Engineers

Expansion and Retrofit of Concrete School Buildings - Victoria Rundorff, SE of Hohbach-Lewin

* Beverages and sandwiches will be available during registration, and cookies will be available at the break.

REGISTRATION FORM

Name _____

Firm _____

Address _____

City/State/Zip _____

Phone _____

E-mail _____

Remit registration form with payment to SEAONC
575 Market Street, Suite 2125
San Francisco, CA 94105

Fax in registration: 415-764-4915

If paying by credit card please provide the following:
(SEAONC accepts VISA, Mastercard or AMEX)

Credit Card #: _____

Expiration Date: _____

Signature: _____

_____	*SEAONC/EERI Member*	*$180*	
_____	*Non-Member*	*$300*	
_____	*Student*	*$60*	*Total Enclosed:*
_____	*Late Registration (all registrations after October 20th) Add $30*		

Speaker Bios

Chris Poland, SE, FSEAONC, NAE, is Chairman and CEO of Degenkolb Engineers. His structural engineering career spans 35 years and includes a wide variety of new design work, seismic analysis and strengthening of existing buildings, structural failure analysis, and historic preservation. As an internationally recognized authority on earthquake engineering, Mr. Poland routinely participates in policy-changing research projects sponsored by the NSF, USGS, NIST and FEMA. As a passionate advocate and voice for seismic safety, he actively participates in the academic, ethical and social advancement of his field by taking an active role in public advocacy, participating in numerous professional associations, leading national advisory committees overseeing earthquake engineering programs, regularly publishing technical papers, and presenting his findings in professional forums.

Chris currently presides as Chair of the congressionally mandated Advisory Committee on Earthquake Hazards Reduction for the National Earthquake Hazards Reduction Program. His latest's interests involving advocacy for Resilient Cities lead to his involvement in the SPUR Resilient City Initiative as the chair of the Seismic Hazard Mitigation Taskforce. That work lead to his Co-Chair appointment to the San Francisco Lifelines Council. He chairs the ASCE Standards Committee on Seismic Rehabilitation, and led the effort needed to produce the ASCE 31 and ASCE 41 Standards. He is a member of Boards of the San Francisco Chamber of Commerce and the San Francisco Planning and Urban Research Association. He is the 2006 recipient of the Alfred E. Alquist award from the California Earthquake Safety Foundation, and was recently elected to the National Academy of Engineering in recognition of his career long work in support of Performance Based Earthquake Engineering. Chris served on the Board of the Earthquake Engineering Research Institute (EERI) for 10 years in two separate roles, first as the Secretary and then as the President from 2001 to 2002.

Anindya Dutta, PhD, SE, has over 11 years of experience in structural and earthquake engineering and is a Senior Project Manager at Simpson, Gumpertz & Heger. He has a Ph.D. in structural engineering from SUNY Buffalo and has provided analysis and design of a variety structures in high seismic zones. Anindya's experience also includes seismic evaluation and strengthening of low to high rise structures. He has taught graduate and undergraduate level courses on concrete design and structural analysis at the SUNY and is a regular lecturer at the San Francisco State University's graduate program. He has authored a number of technical reports and journal papers as well as served as a member of the review board for ASCE's Structural Engineering Journal.

David McCormick, SE, is a Principal at Simpson, Gumpertz & Heger. He has over 30 years of experience helping clients understand and mitigate their risks through seismic evaluation and retrofit. He has participated in many post-earthquake investigations including recent trips to Chile and Baja California. He is a trainer for the Safety Assessment Program (ATC-20) and is helping to develop data collection protocols for SEAOC's Post Disaster Performance Observation Committee. He has been an active participant in both SEAOC and SEAONC Existing Building Committees and subcommittees for many years during which time he has participated in the development of various documents, commentaries and standards for the evaluation and retrofit of existing buildings. He has served as a SEAONC Director and was elected to both SEAONC and SEAOC College of Fellows. He has also been one of the leaders in Northern California for the Concrete Coalition.'

Blake Inouye, SE, LEED AP, is an Associate with KPFF Consulting Engineers in San Francisco, CA. Blake received his Bachelor of Science degree in Civil Engineering from Tufts University and a Master of Science degree in Structural Engineering Mechanics & Materials from the University of California - Berkeley. He has worked on numerous sesimic analysis and retrofit projects in steel, concrete, wood, and unreinforced masonry, many of which include nonlinear analyses. Blake is a current active member in the SEAONC Seismology Committee and was a past chair of the SEAONC Continuing Education Committee.

René Vignos, SE, is a Principal and licensed structural engineer in California and Utah with 16 years of experience in the seismic design of new buildings and the evaluation, restoration and retrofit of historic and non-historic structures. Mr. Vignos recently lead the structural design of a new Athletics Building at UC Berkeley and is Principal-in-Charge for the retrofit of California Memorial Stadium, also on the UC Berkeley campus. His other notable seismic rehabilitation projects include the San Francisco Conservatory of Music and the base isolation and retrofit of the Utah State Capitol. In addition to his project work, Mr. Vignos also currently serves on the City of San Francisco Code Advisory Committee.

Bill Tremayne is a licensed Professional Engineer in California and a Chartered Professional Engineer in New Zealand, where he worked prior to moving to California in 2005. He is currently a senior project manager with Holmes Culley, San Francisco. Bill is a strong advocate of performance based engineering, having successfully implemented this approach on numerous seismic evaluation and rehabilitation projects in California and New Zealand.

Victoria Rundorff, SE, has participated as the project manager and structural engineer of record for Hohbach-Lewin, Inc. on numerous school projects during the last ten years including additions and modernizations to the Dartmouth and Union Middle School campuses in San Jose, seismic upgrade and modernization of schools in the Sunnyvale school district including: Columbia Middle School, San Miguel, Cherry Chase and Cumberland Elementary Schools, and a code mandatory seismic upgrade and addition to the Theater at Capuchino High School in San Bruno. Private school projects include the new Theater at St. Francis High School in Mountain View and a two story below grade Physical Arts Building for Castilleja School in Palo Alto.