SEAOC Structural/Seismic Design Manual Seminar

Seminar presentation by the Structural Engineers Association of California
and the Structural Engineers Association of Central California

Date: July 23, 2007

Location: **Lions Gate Hotel**
Grand Ballroom in the Garden Pavilion
5640 Dudley Boulevard
McClellan (Sacramento), California

Registration: 8:30 a.m. – 9:00 a.m.
Seminar: 9:00 a.m. - 6:00 p.m.
Lunch: 12:00 noon – 1:00 p.m.

Topics & Speakers:		
	Wood Light-Frame Three-Story Structure	Doug Thompson, S.E.
	Cold-Formed Steel Light-Frame Three-Story Structure	Doug Thompson, S.E.
	Tilt-Up Wall Panel with Openings	John Lawson, S.E.
	Wind Load Examples	Steve Kerr, S.E.
	Steel Special Moment Frame	Scott Hooker, S.E.
	Steel Concentrically Braced Frames	Rafael Sabelli, S.E.
	Reinforced Concrete Shear Wall	Joe Maffei, Ph.D., S.E.
	Reinforced Concrete Special Moment-Resisting Frame	Jon Kiland, S.E.

This seminar will provide you with step-by-step approaches to applying the structural provisions of the 2006 International Building Code®. The speakers will cover the SEAOC Structural/Seismic Design Manual, Volumes II and III. Eight examples have been selected to be presented by the authors (or their selected representative) who will illustrate and guide you through the practical application of specific structural/seismic provisions. There will be a question and answer period following each session, as well as time during the break to speak directly with the authors. SEAOC Structural Seismic Design Manuals, Volumes I, II, and III can be ordered below at a discounted price and will be available for you at the seminar. Please note that the special discounted price of the Manuals applies for this seminar only.

REGISTRATION FORM
SEAOC/SEAOCC Structural/Seismic Design Manual Seminar

Name

Firm

Address

City State Zip

Telephone Number FAX E-Mail Address (*required for confirmation*)

Seminar Registration Fee (includes morning and afternoon break, lunch, and seminar handout notes)

☐ SEAOC/SEAOCC Member	$ 300.00
☐ Non-Member	$ 400.00
☐ SEAOC Structural/Seismic Design Manuals - Volume I, II, and III *Please Note: Publications will be available only if requested. Structural/Seismic Design Manuals have been discounted for this seminar only.*	$ 100.00
☐ Full Time Student	$ 60.00
☐ Seminar Handout Notes Only	$ 50.00
☐ Late Registration (after July 19, 2007)	$ 50.00
Total Seminar Registration Fee	$

PLEASE FAX OR MAIL THIS REGISTRATION FORM TO:

SEAOCC
P. O. Box 2590
Fair Oaks, CA 95628
www.seaocc.org

FAX: 916-965-6234
Telephone: 916-965-1536
E-Mail: seaocc@aol.com

* Checks can be mailed to SEAOCC or presented at the Registration Desk the day of the seminar. Note: No credit cards accepted.

☐ I wish to join SEAOCC. Please send an application.

❖ Upon completion, attendees will receive eight (8) professional development hours of continuing education.

☐ I wish to receive seminar confirmation via e-mail.

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Douglas S. Thompson, S.E. — **Wood Light-Frame Three-Story Structure**
Cold-Formed Steel Light-Frame Three-Story Structure

Doug received has BS from Cal Poly-San Luis Obispo in 1976 and is a partner at STB Structural Engineer in Lake Forest. He is a registered Structural Engineer in California and Nevada. He is an author of three design examples in the Structural/Seismic Design Manual. He teaches timber design and is a co-author of Timber Manuals for license review classes for the Professional Engineer and Structural Engineer license exams. Mr. Thompson is a past director of SEAOSC and is a past chair of the SEAOSC Code Committee and has been involved with code changes to the UBC and IBC for over 15 years.

John Lawson, S.E. — **Tilt-Up Wall Panel with Openings**

John is Vice President of Kramer & Lawson, Inc. in Tustin, California. His firm engineers approximately ten-million square feet of tilt-up construction annually. He graduated summa cum laude in Architectural Engineering from Cal Poly SLO and added a Masters in Structural Engineering from Stanford University. In 2006, Mr. Lawson received the *TCA Engineering Achievement Award* and is currently involved in ACI 551 and Tilt-up Concrete Association's (TCA) Seismic Task Force. Currently, Mr. Lawson is Chairman of SEAOC Seismology's Tilt-up subcommittee.

Stephen Kerr, S.E. — **Wind Load Examples**

Steve is a Senior Associate Engineer of Josephson Werdowatz & Associates and has over 12 years experience in building structural design, including a wide variety of project types, sizes and construction materials. Steve has a bachelor's degree in Architectural Engineering from Cal Poly, San Luis Obispo and is a registered Structural Engineer in California and Arizona, and a Civil Engineer in Nevada. Mr. Kerr has performed numerous wind analyses of new and existing structures to the UBC as well as IBC codes. He currently he serves on the NCSEA General Engineering Subcommittee.

Scott Hooker, S.E. — **Steel Special Moment Frame**

Scott is a Principal with Buehler & Buehler Structural Engineers and has been with firm since receiving a B.S. Architectural Engineering from the California Polytechnic State University in San Luis Obispo in 1988. He holds a Civil Engineer License in California and a Structural Engineer License in California and Washington. As a practicing engineer for the last 19 years, Mr. Hooker has been involved with the design, evaluation and plan review of structures of all types including hospitals, schools, airports, theatres, offices, retail, manufacturing and residential.

Rafael Sabelli, S.E. — **Steel Concentrically Braced Frames**

Rafael is a member of the AISC Task Committee on the Seismic Provisions for Structural Steel Buildings and is the coauthor of AISC Design Guide 20: *Steel Plate Shear Walls*. Mr. Sabelli was the 2000 NEHRP Professional Fellow in Earthquake Hazard Reduction, and is the Past Chair of the Seismology Committee of the Structural Engineers Association of California.

Joe Maffei, Ph.D., S.E. — **Reinforced Concrete Shear Wall**

Joe is the chair of the Concrete Committee of the Structural Engineers Association of California (SEAOC) Seismology Committee, lead author of the concrete chapter of the SEAOC Blue Book, and SEAOC's official liaison to the American Concrete Institute (ACI). He is appointed to committees writing seismic provisions by ACI, the Building Seismic Safety Council (BSSC), and the Federation International du Beton. Dr. Mafei has been a lead investigator and author on research projects and design guidelines for organizations such as the ATC, PEER, EERI, SEAOC and BSSC.

Jon Kiland, S.E — **Reinforced Concrete Special Moment-Resisting Frame**

Jon has 27 years of professional experience encompassing a diverse range of projects including new building design, seismic rehabilitation and renovation, existing building evaluations, and post earthquake damage evaluations. He has managed projects both as prime and as sub-consultant in the design of office buildings, retail centers, multi-unit housing, parking garages as well as mixed use buildings. Mr. Kiland's experience also includes corporate facilities, university, schools, municipal, and health care projects.