

SEAOAL 4th Annual State Conference & Expo Post-Tension Design, Construction & Repair

THURSDAY, AUGUST 28, 2014

TOTAL OF 7 PDHs



8:00 a.m.— 8:30 a.m.	Registration & Morning Expo
8:30 a.m.— 9:45 a.m.	Dr. Aalami—Post-Tensioning Design – What You Need to Know
9:45 a.m.— 10:15a.m.	Break & Technology Expo
10:15 a.m.— 11:45 a.m.	Dr. Aalami—The 10 Steps in Long-Hand Design of a Post-Tensioned Floor Followed by Software Application
11:45 a.m.—12:00 p.m.	SEAOAL Business Meeting & SEAOAL/James M. Delahay Scholarship Awards
12:00 p.m.— 1:15 p.m.	Buffet Lunch & Technology Expo
1:15 p.m.— 2:45 p.m.	VSL —Post Tension Installation & Durability Considerations
2:45 p.m.— 3:15 p.m.	Break
3:15p.m.— 4:45 p.m.	VSL – Post-Tension Repairs– Design, Strategies & Techniques

Morning Session

- In the first presentation, learn clearly and practically what you need to know for design or investigation of a post-tensioned floor system, or beam frames. Become skilled in the underlying concepts and their practical applications.
- In the second presentation, follow step by step the long-hand design of a real-life column-supported post-tensioned floor.
- Find out if and how ACI 318-14 affects your post-tensioning designs.
- Become familiar with underlying basics and differences of the commercially available software for post-tensioning design.
- Learn about new and efficient migration to the integrated design of entire building frames, all in the environment of a single building model, including post-tensioning. Avoid errors in transferring data from one software to the next; thus saving time and *avoiding costly errors*.

Afternoon Session

- PT Installation and Durability Considerations: Discuss requirements for encapsulated P-T systems depending on exposure, installation of P-T systems, pre-pour checklist, sheathing repairs and cathodic protection.
- Designing PT Repairs: Understanding the root cause, methods for developing a successful repair plan starting with drawing review, visual inspection, non-destructive testing and internal component inspection.
- Repairs Strategies and Techniques: Discuss structural and personnel safety, slab anchor replacement, button-head system repairs, splice repairs, strand replacement and slab modifications.

Seminar Instructor Bio

Bijan Aalami, PhD, SE, is Emeritus Professor of San Francisco State University, founder and principal of ADAPT Corporation, a structural engineering and software company specializing in analysis and design of concrete structures, with specific reference to post-tensioning. Dr. Aalami, a legend of the Post-tensioning Institute and co-recipient of the ACI design award, has been actively engaged in the design for 33 years in construction of numerous notable post-tensioned buildings, bridges and special structures worldwide. He is recipient of American Concrete Institute's Design award. His extensive educational seminars and publications have enriched the practice of many design engineers worldwide. His recent book on "Design of Post-Tensioned Buildings," provides a comprehensive and practical account of post-tensioning design and construction of building structures.

Clyde Ellis, is a Vice President with VSL/Structural Technologies who provides leadership to their transportation repair and strengthening division. Based in the Springfield, VA branch office, Mr. Ellis brings 15 years of experience with a focus on forensics, force protection, structural strengthening, and corrosion protection systems. He has a Bachelor of Science degree in Architectural Engineering from North Carolina A&T State University and Master of Science degree in Civil Engineering from Lehigh University. Mr. Ellis is a past President and Board Member of ACI National Capital Chapter in Washington, DC. He is a member of PTI and a voting committee member for DC-35 Prestressed Rock and Soil Anchor Committee and DC-80 Repair, Rehabilitation and Strengthening Committee.

REGISTRATION FORM

Please print legibly. Companies with multiple attendees, please fill out a form for each person.
Building officials - please fill out form for lunch reservation purposes.

Name

Company

Address

City

Zip

Email

Phone

Cell

Registration received by Thursday, August 21, 2014

- SEA Member \$ 175 X _____ = \$ _____
- Non Member \$ 225 X _____ = \$ _____
- Exhibitor \$ 125 X _____ = \$ _____



Late Registration: August 22 - August 28, 2014

- SEA Member \$ 195 X _____ = \$ _____
- Non Member \$ 250 X _____ = \$ _____
- Exhibitor \$ 150 X _____ = \$ _____

Registration includes breakfast, lunch, snacks, and expo hall.

To join SEAoAL

SEAoAL Membership Registration

- Professional \$ 85 X _____ = \$ _____
- Associate \$ 40 X _____ = \$ _____
- Student \$ 15 X _____ = \$ _____
- Affiliate \$150 X _____ = \$ _____

TOTAL: \$ _____

SEAoAL membership is open to all structural engineers and companies affiliated with the structural engineering profession. For more information about SEAoAL membership: professional, associate, student, retired or affiliate, please contact Rhea Williams, Executive Director, 205-601-2345 or email: rhea@karmamanagementinc.com

If paying by check, make checks payable to:

SEAoAL

Mail check and registration form to:

Structural Engineers Association of Alabama

P.O. Box 660584

Birmingham, AL 35266-0584

Email registrations to:

rhea@karmamanagementinc.com

Rhea Williams

Executive Director, SEAoAL

Birmingham Hotels

Aloft Hotel

1309 19th St. South 35209

205-874-8055

Hampton Inn

2731 US 280 Birmingham 35223

205-870-7822

SEMINAR LOCATION

BIRMINGHAM BOTANICAL GARDENS

2612 PARK LANE ROAD

Birmingham AL 35223

205-414-3950