

Emerging Trends in Structural Concrete

September 16th, 2004 – Long Beach, CA

Presented by the Portland Cement Association, the CA NV Cement Promotion Council, the Southern CA Ready Mixed Concrete Association and the Precast/Prestressed Concrete Manufacturers Association of CA.

The evolution of concrete continually inspires advancements and ingenuity in the built environment. We invite you to explore emerging trends in structural concrete in this half-day workshop to learn about recent advances in creating sustainable, durable, and cost-effective structures.

Keynote Speaker: W. Gene Corley, PhD, SE

“Blast and Progressive Collapse Resistance of Concrete Buildings”

Dr. W. Gene Corley, CTL, Senior Vice President, led ASCE's and FEMA's World Trade Center structural investigation team and ASCE's and FEMA's Building Performance Assessment Team investigating the bombing of the Murrah Federal Building in Oklahoma City. He also served as a team member to evaluate performance of the Pentagon. He is a longtime active member and former Chairman of the ACI 318 Building Code Committee.

Program:

A fast-paced four-hour workshop will provide solid background information on the latest technologies related to:

- **Self-Consolidating Concrete** - how it is made, plastic and hardened properties, and how the contractor uses it to construct concrete moment frames loaded with reinforcing steel.
- **Efficient Concrete Formwork Systems and Materials** - bigger forms, bigger placements, and more liquid head. Selection of cost-effective floor systems by reducing waste in forming materials.
- **Hybrid-Frames** - precast concrete moment resisting frames connected with high-strength prestressing bars at beam-to-column joints offer seismic resistance and increase construction speed.

When:

Thursday, September 16
7:15 AM to 11:40 AM.

Where:

The Grand Conference Center
4101E. Willow Street
Long Beach, CA 90815
TEL: 562-426-0555
(2 minutes from the South Lakewood Blvd.
Exit of the 405 Freeway, free Parking in
adjacent structure)

Program Schedule:

7:15 AM	Registration and buffet breakfast
7:45 AM	Welcome and Introductions
8:00 AM	<i>Benefits and Utilization of Self-Consolidating Concrete</i> Jim Anderson, Degussa Admixtures.
8:50 AM	<i>Precast Hybrid-Frame for Improved Lateral Resistance</i> Albert W. Fink, Mid-State Precast, L.P
9:40 AM	Coffee Break
10:00 AM	<i>Considerations for Efficient, State-of-the-Art Forming Systems</i> Jeff McCormick, CECO Concrete CA
10:40 AM	<i>Blast and Progressive Collapse Resistance of Concrete Buildings</i> Dr. W. Gene Corley, CTL, Skokie, IL
11:40 AM	Adjournment

Cost and Registration on Back

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\$60 by September 8th, **\$80** after September 8th.
(Buffet breakfast, beverage break included, parking free)

Make checks payable to "PCA" and send with this registration form to:
PCA, PO Box 252008, W. Los Angeles, CA 90025-8908

Or fax your registration with credit card information to PCA at **(847) 966-9781**.

For additional information, call Attila Beres, PhD, PE at the Regional Office of PCA at 310-476-9941.

Tabletop exhibit spaces (including 1 registration) are available for \$200!

Yes, I want to attend this important September 16th event!

Name(s): _____

Company: _____

Phone: _____ Fax: _____ Email _____

Amount paid:

_____ X \$60 = \$ _____ (if this registration form is faxed to **(847) 966-9781** on or before Sept. 8th)

_____ X \$80 = \$ _____ (if faxed on or after Sept. 9th)

_____ X \$200 = \$ _____ (for exhibitors, before Sept. 8th)

TOTAL \$ _____

For credit card payments:

Credit card type: Visa _____ MasterCard _____ AMEX _____

Credit card number: _____

Name as it appears on card (please print) _____

Expiration Date: _____

Signature: _____

We are looking forward to see you at this great workshop!
CNCPC, PCA, SCRMCMA, PCMAC