

February 1, 2010

**To:** Executive Directors, Regional Promotion Groups  
Regional Vice Presidents, CAC

**Re:** **2010 Concrete Buildings and Bridges Professors' Workshops**

It is a pleasure to announce the 2010 Structural Professors' Workshops. Again, this year, the Buildings and Bridges workshops have been scheduled back-to-back within the same week. They will be held at PCA in Skokie, Illinois. As in the past, there will be no workshop registration fee.

**1. Engineering and Economics of Concrete Buildings (August 2-4, 2010)**

The Concrete Reinforcing Steel Institute (CRSI), the National Ready Mixed Concrete Association (NRMCA), the Precast/Prestressed Concrete Institute (PCI), the Post-Tensioning Institute (PTI), and the Portland Cement Association (PCA) will jointly sponsor the concrete buildings workshop.

Concrete design courses at universities typically deal with the design of building components without the benefit of a full understanding of today's economical design and construction practices for complete structures. This 3-day workshop will provide up-to-date information on the design and construction of concrete buildings such that professors attending can significantly enhance the value of their concrete design courses. We will also discuss the changes introduced in the ACI 318-08 Building Code, and possible future direction of this Code.

**2. Design of Concrete Bridges by the AASHTO LRFD (August 5-6, 2010)**

Structural concrete design courses at universities focus on proportioning of building components by the ACI 318 Building Code with minimal attention to bridge structures. The concrete bridge design workshop will concentrate on the American Association of State Highway and Transportation Officials (AASHTO) **Load and Resistance Factor Design (LRFD) Bridge Design Specifications**. AASHTO adopted these specifications in 1994, but they were not enforced by the individual states. These specifications have introduced totally new concepts for proportioning of concrete bridge members. The AASHTO LRFD provisions are significantly different than those of the ACI 318 Building Code. The Federal Highway Administration has mandated, and AASHTO has consented, that starting in October 2007, to be eligible for federal funding, new bridges must be designed by the AASHTO LRFD Specifications. It is imperative for our industry to help professors so that they can educate the future generation of engineers to design bridges by the latest edition of the AASHTO LRFD Bridge Design Specifications.

**General**

Regional promotion groups, including State Ready Mixed Concrete Associations, CRSI Chapters, ACPA State Associations, and PCI Regional and State Associations are invited to select and sponsor individual professors. These groups will be asked to cover the professors' travel, lodging, and meal expenses. In addition to the airfare, we estimate this cost to be about \$500.00 for the buildings workshop, \$380.00 for the bridges workshop, or \$770.00 for both workshops. Professors are directly reimbursed by the sponsoring promotion groups.

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The national sponsors (CRSI, NRMCA, PCA, PCI, and PTI) will provide the speakers and workshop materials, and will also sponsor a reception, dinner, and daily luncheons. Workshop participants will also receive various technical industry publications, and a CD with PowerPoint files for immediate use in the classroom.

In order to maintain a proper educational setting and to provide for meaningful interchange of ideas, we need to *limit attendance to 32 professors* per workshop. We would urge you to contact us early, to facilitate planning. Some groups have already registered professors. We appreciate your enthusiasm for the workshop.

When considering potential professors, please keep in mind that the objective of the workshop is to assist professors teaching structural concrete design at undergraduate or graduate levels. Newly or recently appointed professors will particularly benefit from these workshops. We do not intend to present highly sophisticated material for the academic experts involved primarily in structural research, or teaching courses oriented to such research. The goal is to assist the professors in adding practical dimensions to the courses they are teaching to senior undergraduate and beginning graduate students. This is also an opportunity for professors to network and exchange ideas on best teaching practices. Since starting this program, several professors have returned for a refresher on topics covered, and to learn about the latest code changes.

If you would like to sponsor a professor to attend the Buildings and/or Bridges workshops, please complete the enclosed form. Reservations will be accepted on a first come, first served basis. If you reserve a space and intend on finding a professor later in the year, please make sure to follow through by finding someone to attend. Professors are difficult to reach during the summer months, and we need to have attendees' names as soon as possible in order to effectively communicate the necessary details to them.

We look forward to your support of this worthwhile effort. If you have any questions, please contact me.

Yours sincerely,



Basile G. Rabbat  
Structural Codes

Enclosure

Copy to —  
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Sue Lane / PCA  
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Ted Ferragut / CRSI  
Lionel A. Lemay / NRMCA  
William N. Nickas / PCI  
Emily B. Lorenz / PCI  
Ted Neff / PTI  
Engineered Structures Committee  
Structural Promotion Groups

## 2010 Structural Concrete Professors' Workshop Registration Form

Our group would like to sponsor a professor to the 2009 workshop(s) on: (Please check one or both)

**Engineering and Economics of Structural Concrete Buildings (August 2-4, 2010)**

**Design of Concrete Bridges by the AASHTO LRFD Specifications (August 5-6, 2010)**

Sponsoring Group \_\_\_\_\_

Mailing Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Contact Person \_\_\_\_\_

Phone \_\_\_\_\_ Fax No. \_\_\_\_\_

E-mail address \_\_\_\_\_

Anticipated Professor (if known) \_\_\_\_\_

Professor's Title or Position \_\_\_\_\_

University or College \_\_\_\_\_

Professor's Mailing Address (school contact information, **and** summer information if different)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Professor's Phone No. \_\_\_\_\_ Fax No. \_\_\_\_\_

E-mail address \_\_\_\_\_

Registration is on a **First Come, First Served Basis (limited to 32)**, so please mail or fax as soon as possible to:

Caron E. Johnsen  
Engineering Services  
Portland Cement Association  
5420 Old Orchard Road  
Skokie, IL 60077-1083  
Phone No. (847) 972-9058  
Fax No. (847) 972-9059

The professor you sponsor will receive a follow up letter with further details. You will be copied on all correspondence.