ACI ONE-DAY SEMINAR
ACI/PCA Simplified Design of
Concrete Buildings of Moderate Size and Height
St. Louis, MO, September 26, 2012

FREE PUBLICATIONS
As part of the seminar, you will receive FREE the following publication(s) a $120.00 value:
PCA EB204 Simplified Design: Reinforced Concrete Buildings of Moderate Size and Height - Seminar notes authored by the Portland Cement Association

SEMINAR OVERVIEW
Topics to be covered include:
- Structural systems layout
- Floor systems
- Determination of loads, including wind and earthquake forces
- General reinforced concrete requirements, including simplified design of slabs, beams, columns, walls, and footings
- Detailed building design examples will be presented

FACULTY
Mahmoud Kamara, PhD, Consultant, Skokie, IL, senior structural engineer for engineered buildings for more than fourteen years
Lawrence C. Novak, SE, SECB, FACI, LEED® AP. Novak is the Director of Engineered Buildings for the Portland Cement Association (PCA).

For more detailed information on the faculty, go to www.concreteseminars.com.
ACI is not responsible for statements opinions expressed by instructors.

SEMINAR TOPICS
This seminar will focus on design of concrete buildings of moderate size and height, in accordance with ACI 318-08, IBC, and ASCE 7-05. The purpose of the seminar is to provide civil, architectural, and structural engineers with ways to simplify design procedures, thus reducing time required to analyze, proportion, and detail small to moderate size projects, while still complying with the ACI 318-11 Building Code Requirements for Structural Concrete. Various design considerations that need to be addressed in the structural design and detailing of reinforced concrete buildings will be discussed including fire resistance, economy, and forming techniques. Numerous design examples will be presented. The examples include wind load calculations, seismic force, analysis, simplified design of different slab systems, beams, columns, structural walls, and footings with emphasis on economy. Results obtained from the simplified design methods are compared to those obtained from computer programs. The seminar is based on the book by PCA, Simplified Design of Reinforced Concrete Buildings of Moderate Size and Height. In addition to detailed design examples, the PCA book includes numerous time saving design aids, graphs, and tables.

- Frame Analysis
- Design of Beams and One-Way Slabs
- Design of Two-Way Slabs
- Design of Columns
- Design of Structural Walls
- Design of Footings
- Structural Detailing of Reinforcement for Economy
- Design Considerations for Economical Formwork
- Design Considerations for Fire Resistance
- Design Considerations for Earthquake Forces

SEMINAR TIMES
Registration for this seminar begins at 7:45 A.M. The seminar will be conducted from 8:00 A.M. to 5:00 A.M. Lunch will be from 12:00 – 1:00 pm. Continental breakfast, lunch, refreshment breaks, and a complimentary publication are included in your registration fee.

WHO SHOULD ATTEND
Civil, architectural, and structural engineers, building officials, and others involved with reinforced concrete buildings of moderate size and height.
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SEMINAR REGISTRATION:
SMD2MOS

St. Louis, MO

Seminar Location
Renaissance St. Louis Airport
9801 Natural Bridge Road
St. Louis, MO 63134
314-429-1100

CoSponsor
Missouri Chapter ACI

FEES AND SIGN UP

$597 Nonmember Registration Fee
$457 ACI National Member and Employees of

To qualify for the discounted ACI National Member seminar fee, please provide your ACI Member number next to name.

REGISTER TODAY!

Web: On the web www.concreteseminars.com
Mail: Member Services, PO Box 9094
      Farmington Hills, MI 48333-9094
Fax: 248-848-3801 (24 hours a day)
Phone: Member Services, 248-848-3815 – 8:00-5:00 ET

$125 Full-Time Students
Discounted student seminar fee is for full-time students only. Include current proof of enrollment with your registration.

CONTINUING EDUCATION CREDIT

Attendees receive 0.75 CEU’s worth 7.5 PDHs.
Approved course provider for:
- American Institute of Architects (G115; SMD)
- Florida Board of Professional Engineers (Provider #0003855)
- The University of the State of New York, State Board for Engineering
- Louisiana Professional Engineering and Land Surveying Board
- North Carolina Board of Examiners for Engineers and Surveyors
- Wisconsin Safety and Buildings Division (Course 6467)

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Name: __________________________  Registration Fee: $________

Company: ____________________________________________________

Address_____________________________________________________
City, State, Zip______________________________________________

Phone:__________________________________Fax:________________ Email:________________________

Registration fee includes complimentary copies of ACI publications worth $120.00, continental breakfast, lunch, and coffee breaks. The registration fee does not include hotel accommodations, travel costs, or any other expenses.

Make checks payable to ACI, or charge to □ VISA    □ MasterCard
Account No.:__________________________Expiration Date:__________

□ Charge to my ACI Member account- current ACI National Members only. Registration from all others must be accompanied by full payment, charged to a credit card, or reserved by government or company purchase order (ACI federal ID # is 38-0296490). All payments must be in U.S. funds and issued from a U.S. bank.

□ If you have a disability that requires special accommodations, please check here and append a statement regarding your disability-related needs. We cannot assure appropriate accommodations without adequate information and adequate advance notice, so please provide this information at least 14 days in advance of the seminar. You will be contacted prior to the seminar.

REFUND POLICY – Substitutions are accepted at any time. If your substitute qualifies at a different registration fee, a credit or surcharge may apply. If you cannot attend the seminar, please notify the ACI Seminar Registrar at 248-848-3815 immediately. If you notify us 7 or more working days before the seminar, we will refund your registration fee. If you notify us that you cannot attend within 3 to 6 working days before the seminar, we will issue you an ACI Credit for the full amount of your registration fee that you may redeem for any future ACI seminar, product, or service. If you notify us that you cannot attend less than 3 working days before the seminar date, we will issue you an ACI Credit minus a $75 administrative fee. In fairness to all attendees, confirmed participants who do not attend are liable for the entire fee unless we are notified in advance of the seminar date that you cannot attend. If ACI cancels a seminar due to insufficient enrollment, your registration fee will be refunded. ACI is not responsible for any incidental or consequential damages such as nonrefundable airfare.

$125 Full-Time Students Discounted student seminar fee is for full-time students only. Include current proof of enrollment with your registration.