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ACI Seminar

Design of Concrete Slabs on Ground - NEW

A One - Day Seminar

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Overview

This one day seminar will focus on the design of concrete slabs in accordance with ACI 360R-06 Design of Slabs-on-Ground. The purpose of the seminar is to provide engineers and designers with practical tools and information that can be used right away for slab design.

Free Publications

As part of the seminar, you will receive **FREE** the following publication(s) a **\$105.00** value:

ACI 360R-06 Design on Concrete Slabs on Ground

Speaker Notes authored by instructors

Who should attend?

Engineers and designers will gain practical tools and information that can be used right away for slab design.

Seminar Topics

All topics will not be covered in-depth. Instructors will focus on the design topics that are of interest to most attendees.

- Introduction

Seminar objectives for Design of Concrete Slabs on Ground

- **Soil Support Systems**
 - Design considerations
 - Desirable properties
 - Expansive collapsing soils and post-tensioned slabs
 - Vapor transmission control
- **Concrete Materials Analysis**
 - Desirable characteristics for slabs on ground
- **Curling of Joints and Cracks**
 - Causes
 - Effects of design, materials
 - Minimizing or eliminating curling
- **Slab System Design**
 - ACI 360 slab type selection
 - Thickness design methods
- **Slab on Ground Reinforcing**
 - Why reinforce slabs and pavements?
 - Current quantity calculations
 - Steel, low- and high-volume fiber reinforcing
- **Joint Spacing, Detailing, Load Transfer, and Protection**
 - Joint types and application
 - Round, square, plate dowels
 - Dowel alignment systems
 - "Jointless" floor options
 - Armor-edge options
 - Joint fillers and sealants
- **Floor Surface Flatness and Levelness - Design**
 - F-Numbers, straightedge, and other systems
 - Random traffic
 - Defined traffic ("Superflat" tolerances)
 - Testing
- **Surface Treatments and Curing**
 - Liquid surface treatments
 - Dry shake hardeners
 - Moist versus membrane curing
 - Special finishes
- **Overview of Problems Related to Slab Design**
 - Recognition, causes, prevention

Locations & Dates

Click here to sort by [State](#)

Charlotte, NC Oct 2, 2007	DoubleTree Guest Suites Charlotte/South Park 6300 Morrison Blvd.	Carolinas Chapter ACI
Instructor(s) for this Seminar will be: James H. Loper & Arthur W. McKinney		
New Brunswick, NJ Oct 9, 2007	Venue To Be Announced	New Jersey Chapter ACI
Instructor(s) for this Seminar will be: Barry E. Foreman & R. Gregory Taylor		
Los Angeles, CA Oct 31, 2007	Fullerton Marriott at California State University 2701 East Nutwood Avenue	S. California Chapter ACI
Instructor(s) for this Seminar will be: Barry E. Foreman & Arthur W. McKinney		
San Antonio, TX Nov 27, 2007	Double Tree Hotel San Antonio Airport 37 NE Loop 410 (at McCullough)	San Antonio Chapter ACI
Instructor(s) for this Seminar will be: James H. Loper & Arthur W. McKinney		
Miami, FL Dec 12, 2007	Venue To Be Announced	S. Florida Chapter ACI
Instructor(s) for this Seminar will be: Robert B. Anderson & Wayne Walker		

[Register Now](#)

You will be sent a confirmation of your registration with the address of the Seminar. Please verify the date and location, since changes may occur.

Registration begins at 7:45 a.m. The seminar will begin at 8:00 a.m. and end at 5:00 p.m. Lunch will be from 12:00 p.m. to 1:00 P.M. Continental breakfast, lunch and coffee breaks, are included in your registration fee.

Faculty

Two of the following will be your instructors:

Robert B. Anderson, P.E., FACI, is a Concrete Floor Consultant, New Orleans, LA, with more than 30 years of experience. He has been the primary designer for several million square feet of industrial and residential slabs, and in 1964 was responsible for the design and placement of the first residential post-tensioned concrete slab on ground in North America.

Barry E. Foreman, P.E., Assistant Vice President, TranSystems, York, PA. He is a structural engineer with over 30 years experience in the design of industrial floors. He was previously a partner in the design firm of St. Onge Ruff and Associates which recently merged with TranSystems. His firm works nationwide in the design of industrial buildings with a special emphasis on distribution warehouses, cold storage buildings and food processing facilities. Mr. Foreman provides slab design and construction consulting, forensic consulting and concrete mix design consulting services. Mr. Foreman is a member of ACI 360, Design of Slabs on Ground; ACI 302, Construction of Concrete Floors; ACI 301, Specifications for Concrete; and ACI 223, Shrinkage-Compensating Concrete.

James H. Loper, P.E., practicing Structural Engineer with Jacobs Engineering, Arlington, VA. During his 20+ year career, Mr. Loper gained experience on a wide range of design, construction, and troubleshooting projects while employed at Lockwood Greene Engineers, Bekaert Corporation, and VSL. Projects typically included conventionally reinforced, unreinforced, post-tensioned, and fiber reinforced slabs-on-ground for light and heavy industrial, commercial and retail facilities. Most recently, he has been directly involved in the design of nationwide training facilities for the Department of Defense. Jim has authored several articles published in national and international publications. He is a member of ACI 360, Design of Slabs on Ground and the Secretary of ACI 364, Rehabilitation.

Arthur W. McKinney, P.E., S.E., FACEC, practicing Structural Engineer with 40 years of design experience, including over 100,000,000 square feet of industrial floors. Mr. McKinney is Chief Executive Officer of McKinney and Company, Ashland, VA, a full service planning, design, and construction company, which includes a certified testing and materials development laboratory and services. Active in ACI, Mr. McKinney is a member and past Chair of ACI 360, Design of Slabs on Ground; a member of ACI 117, Tolerances and a member of ACI 302, Construction of Concrete Floors.

R. Gregory Taylor, P.E. with over 30 years of experience, is the owner of Taylor Design Associates, Inc., Hyannis, MA. Mr. Taylor has been involved with the design and construction of commercial and industrial slabs on a nationwide basis. He is past Chair of ACI 302, Construction of Concrete Floors; and is a member of ACI 360, Design of Slabs on Ground.

Wayne W. Walker, P.E., Director of Engineering Services, Structural Services Inc., Atlanta, Ga. He has over 30 years of professional experience in the structural design of commercial, industrial, and military projects in the U.S. and in other countries. Many of his projects have won first place awards for their cutting-edge and economical solutions to his client's requirements. Mr. Walker has published numerous papers in national publications on the design and construction of concrete floor slabs and pavements. He has also developed many cutting-edge computer programs to analyze and design slabs on ground, pavements and other structures. His computer programs for slabs on ground analyze and design for the applied loads, subgrade drag forces, curling, thermal, non-linear response of the soil, and varying degrees of shear transfer at the joints. He has also developed computer programs to analyze and design suspended floors for impact and vibrating loading. Mr. Walker is the Chair of ACI Committee 360, Design of Concrete Slabs on Ground and a member of ACI 302, Construction of Concrete Floors.

NOTE: ACI is not responsible for the statements or opinions expressed by the Faculty. If necessary to substitute an instructor an individual with similar qualifications will be used.

Registration Fees

\$567 Registration Fee

\$427 ACI National Members Registration Fee

\$125 Full-Time Students (with proof of enrollment)

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Continuing Education Credit

Attendees receive 0.75 CEUs or 7.5 LUs, worth 7.5 PDHs.

- American Institute of Architects (G115;SLD)
- Florida Board of Professional Engineers (Provider #0003855)
- Louisiana Professional Engineering and Land Surveying Board
- North Carolina Board of Examiners for Engineers and Surveyors
- The University of the State of New York, State Board for Engineering
- Wisconsin Safety and Buildings Division (Course 8711)

Request for In-House Seminar Quote

An in-depth, customized seminar on this topic or any other ACI seminar topic can be brought directly to your offices. Pricing is dependent upon seminar topic, length, and number of attendees. Prices subject to change without notice. Publications pertaining to the seminar subject may be purchased at a substantial discount when an in-house seminar is held. For more information, [click here](#), or contact Kelly Dudley, ACI's Seminar Coordinator, at 248-848-3709, or Kelly.Dudley@concrete.org.

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