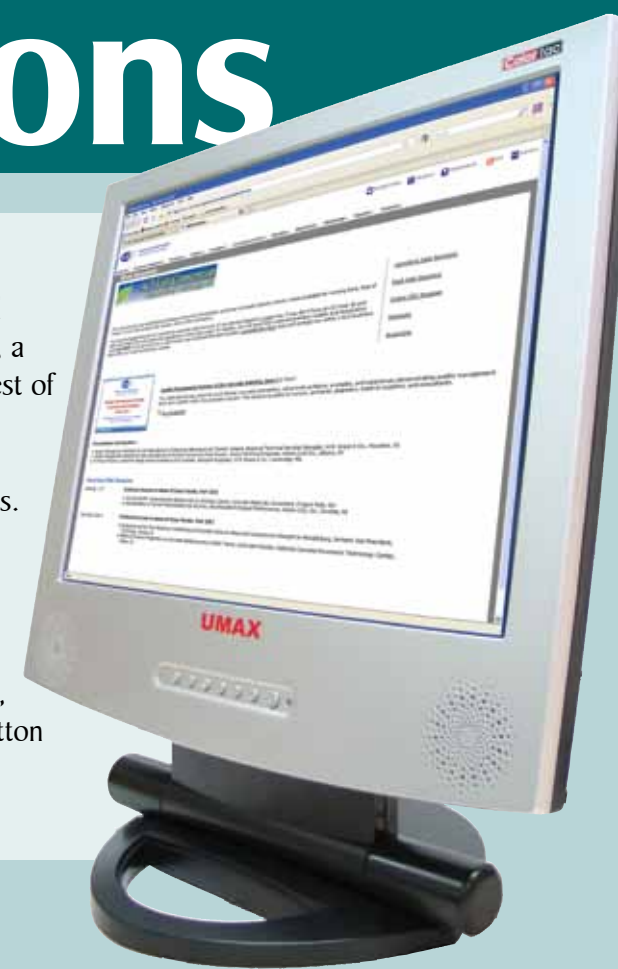


# Web Sessions



To bring you the latest information about concrete, ACI records select presentations from ACI Conventions and makes them available online and on-demand through a new program called ACI Web Sessions. Each week, a new 1-hour block of presentations will be posted to the ACI Web site. Best of all, these presentations can be viewed **free of charge!**

Simply register and log in on the ACI Web site to view these presentations. You don't have to be an ACI member to take advantage of this program. A recently added search function now allows you to search past Web Sessions for topics that interest you.

To view these presentations, go to the ACI Web site at [www.concrete.org](http://www.concrete.org), click on Education in the top menu, and then select the Web Sessions button on the left side of the page.



## Concrete Construction Resources

**Contractor's Guide to Quality Concrete Construction, now available in text and audiobook versions. Spanish text version coming soon!**



**Order Code:** ASCC105.SBR (Text format)  
ASCC105CD.SBR (CD format)  
ASCC105MP3.SBR (MP3 format)  
**Price:** \$68.50 (ACI members \$38.00)  
**Format:** Text, 6-CD set, or MP3 (Both audio formats include a 75-page printed book of photos, figures, tables, and checklists.)

**Spanish text version coming soon!**  
The best-selling "Contractor's Guide to Quality Concrete Construction" is now available in CD and MP3 audio formats. Educate yourself or your employees on quality concrete construction techniques and practices while waiting in a vehicle, traveling to and from work, or running between projects.

**Concrete Craftsman Series 1—Slabs-on-Ground**

**Order Code:** CCS110.SBR  
**Price:** \$35.00 (ACI members \$21.00)

This primary reference for the ACI Concrete Flatwork Finisher and Technician Certification programs was completely revised and rewritten in 2010. The third edition includes more of the up-to-date information that concrete craftsmen need to know to produce quality flatwork.

**Spanish text version coming soon!**



**Order today! [www.concrete.org](http://www.concrete.org) – 248-848-3800**

# Fall 2011 An ACI 318-11 Seminar is coming to Your Area!

Check inside for more information on:

- Seminars
- Web Sessions
- Publications
- Online CEU Programs
- eLearning



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# ACI Custom Seminars

Personalized training to fit your organization's needs and goals.

### Convenience

You schedule training whenever it works best for your organization and your employees. You name the location, the time, and the topic, and we'll make it happen!

### Cost-effectiveness

Realize savings by eliminating the high costs associated with employee travel and lodging. We bring the seminar to your door!

### Expert instructors

Excellence in the field you choose. Each custom seminar is usually conducted by two instructors who are recognized experts in their field.

### State-of-the-art publications

The latest publications prepared by one of more than 130 ACI technical committees can supplement the speaker handouts. ACI publications are available at a 50% discount.

### Fees

Seminar fees start at \$7600 for a 1-day (7.5 hour) seminar. Numerous topics are ready to go. Any concrete-related topic can be created and custom-designed to meet your specific organizational needs at an additional cost. Ask about discounts for ACI Organizational and Sustaining Members.

### Topics

- ACI/PCA 318-11 Building Code Requirements for Structural Concrete
- ACI/PCA Reinforced Concrete Design—2-day seminar
- ACI/PCA Simplified Design of Concrete Buildings
- ACI/PCI Design and Construction of Concrete Parking Structures
- ACI/TMS Masonry Design to the IBC and MSJC Codes
- Basics of Concrete Materials and Testing
- Concrete Repair Basics
- Construction of Concrete Slabs-on-Ground
- Design of Concrete Slabs-on-Ground
- Environmental Engineering Concrete—Design and Details
- Physical/Tester—Basics of Cement Testing\*
- Portland Cement Concrete Overlays: State of the Technology
- Repair of Concrete Bridges, Parking Decks, and Other Transportation Structures
- Repair of Concrete Workshop
- Seismic and Wind Design Considerations for Concrete Buildings
- Seismic Design of Liquid-Containing Concrete Structures
- Troubleshooting Concrete Construction
- Troubleshooting Concrete Floor Problems
- Troubleshooting Concrete Forming and Shoring

\*Training fees vary depending on duration and location. Call (248) 848-3754 for a quote.

**For more information regarding available Custom Seminar topics, visit [www.concreteseminars.com](http://www.concreteseminars.com) and click on Custom Seminars.**



## Build Your Success Online

### Now Available:

**Controlled Low-Strength Material (CLSM) Fundamentals**  
0.2 CEU or (2 PDH), \$80 nonmembers, \$64 members

CLSM (also known as flowable fill) is a self-consolidating, cementitious material used primarily as backfill in place of compacted fill. This course covers the basics of CLSM technology, including materials used to produce CLSM; plastic and in-service properties; proportioning, mixing, transporting, and placing; quality control; and common applications.

### Coming Soon:

**Concrete Sustainability: Basics**

This course provides an introduction to the subject of sustainability, with a special emphasis on the concrete industry. Participants will study common definitions of sustainability, identify "greenwashing" in the marketplace, understand the three pillars of sustainability, and identify strategies for the integration of concrete in sustainable development.

**Concrete Sustainability: Incorporating Environmental, Social, and Economic Aspects**

This course provides an in-depth study of topics related to the environmental, social, and economic impacts of using concrete in sustainable development. Topics include the use of industrial by-products, thermal mass, storm-water management, longevity, and heat-island effect, among several others.

**Visit our Web site: [ACIELearning.org](http://ACIELearning.org)**

# Free Educational Resources

Visit the ACI Concrete Knowledge Center and download free documents from ACI's Educational Committees. These documents cover:

- Materials (including aggregates, reinforcement, cementitious materials, and admixtures);
- Designing Concrete Structures; and
- Repair Application Procedures.



To access the ACI Concrete Knowledge Center, go to [www.concrete.org](http://www.concrete.org) and click on the blue "ACI Concrete Knowledge Center" button shown to the right.

**ACI Concrete Knowledge Center**



<b>Chicago, IL</b>	September 13, 2011	<b>New Brunswick, NJ</b>	October 25, 2011	<b>Denver, CO</b>	November 29, 2011
<b>Philadelphia, PA</b>	September 27, 2011	<b>St. Louis, MO</b>	October 27, 2011	<b>Phoenix, AZ</b>	December 1, 2011
<b>Houston, TX</b>	September 29, 2011	<b>Orlando, FL</b>	November 1, 2011	<b>Atlanta, GA</b>	December 6, 2011
<b>Seattle, WA</b>	October 4, 2011	<b>Charlotte, NC</b>	November 3, 2011	<b>Washington, DC</b>	December 8, 2011
<b>Los Angeles, CA</b>	October 6, 2011	<b>Boston, MA</b>	November 8, 2011	<b>Dallas, TX</b>	December 13, 2011
<b>New York, NY</b>	October 11, 2011	<b>Detroit, MI</b>	November 10, 2011	<b>San Francisco, CA</b>	December 15, 2011
<b>Minneapolis, MN</b>	October 13, 2011	<b>Des Moines, IA</b>	November 15, 2011		
<b>Cincinnati, OH</b>	October 20, 2011	<b>Portland, OR</b>	November 17, 2011		

## Earn CEUs from the comfort and privacy of your home, office, or anywhere!

ACI offers an easy-to-use online CEU program for anyone who needs to earn Continuing Education credits.

ACI members can take up to eight courses FREE of charge per membership year. Nonmembers and members who have used all of their free courses can purchase courses for \$25. Each course includes a 10-question exam.

Participants must register and log-in to the ACI Web site. Once registered, users can download and study reference documents that the exams are keyed to. After the exam is passed, ACI issues a certificate of completion for presentation to local licensing agencies.

Check it out now! For details, go to: [www.concrete.org/education/edu\\_online\\_CEU.htm](http://www.concrete.org/education/edu_online_CEU.htm)

The following are some of the courses that have recently been added to the program:

- What's This Report For? (Parts 1, 2, 3, and 4);
- Contractor's Guide: Chapter 8 (Joints and Reinforcement for Slabs-on-Ground) and Chapter 10 (Placement and Finishing); and
- RAP Bulletin 14—Concrete Removal Using Hydrodemolition.

In addition, the program includes courses on the following topics:

- Cracking;
- Slabs;
- Foundations;
- Aggregates;
- Reinforcement;
- Cementitious materials;
- Admixtures;
- Repair; and
- Shoring



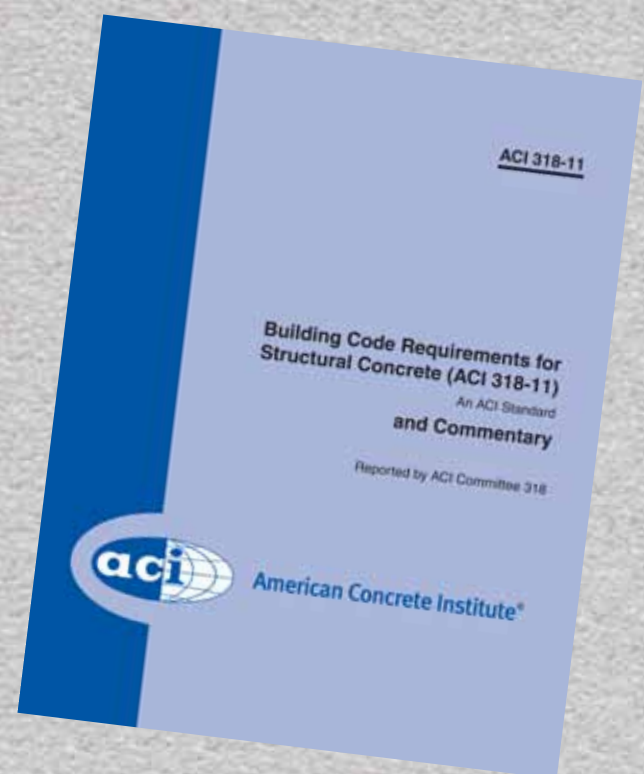
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Advancing concrete knowledge



**NOW AVAILABLE!**



## 2011 Building Code Requirements for Structural Concrete (ACI 318-11) and Commentary



ACI 318 is a must-have standard for all professionals engaged in concrete design, construction, and inspection, containing the latest code requirements for structural concrete. The companion commentary, in a side-by-side column format to match the corresponding code requirements, provides background information for code provisions.

The ACI 318-11 edition features some key changes, including design requirements for adhesive anchors, reinforcement detailing requirements for seismic application, and much more.

Over 20 countries worldwide have adopted ACI 318 for use in their national codes.

Order Code: 31811.EDU  
\$192.50 (ACI members \$116.00)

Purchase today at [www.concrete.org](http://www.concrete.org) or by calling 248-848-3800

## ACI MEMBERSHIP— THE EDGE NEEDED TO SUCCEED

In today's market, it is imperative to be knowledgeable and have an edge over the competition. ACI members have it...they are engaged, informed, and stay up to date by taking advantage of benefits that ACI membership provides them. Ask any of ACI's nearly 20,000 worldwide members and they will tell you how ACI membership provides them with the edge needed to succeed in the design and construction industry.

### JOIN NOW!

ACI membership costs less than a few yards of concrete and the opportunities are infinite.

For additional details, call 248-848-3800 or visit:

[www.concrete.org](http://www.concrete.org)

### Benefits Include:

- Publications (up to 40%)
- Education and Convention Fees

### Knowledge

- Free Downloads
- Concrete Knowledge Center
- CEUs
- Periodicals
- Committee Participation

### Discounts

### Networking

- Convention
- Chapter
- Membership Directory
- Career Center

Founded in 1904, the American Concrete Institute is advancing concrete knowledge by conducting seminars, managing certification programs, and publishing documents and periodicals. The American Concrete Institute currently has 98 chapters and 20,000 members spanning 108 countries.



American Concrete Institute®  
Advancing concrete knowledge

## ACI/PCA 318-11 Building Code Seminars

### Seminar Topics

The American Concrete Institute (ACI) has just published the latest edition of ACI 318, "Building Code Requirements for Structural Concrete and Commentary." This seminar, which is cosponsored by ACI and the Portland Cement Association (PCA), will cover all the major changes in this new edition of the Code. A major portion of the revisions are related to the addition of adhesive anchors in ACI 318 for the first time. In addition to the new anchor design requirements, the seminar will cover adhesive anchor evaluation requirements and new provisions requiring certification of the anchor installer under certain circumstances. Changes to reinforcing steel detailing requirements, allowable grades, and coating types will also be covered.

Important topics, such as detailing for structural integrity and designing using the latest in strut-and-tie modeling, will be presented and discussed.

Included with the seminar are complimentary copies of ACI's "Building Code Requirements for Structural Concrete (ACI 318-11) and Commentary" and worked examples prepared by PCA — essential items that anyone in the concrete industry will refer to over and over for the next several years.

Specific topics covered in the seminar include the following:

- Design of adhesive anchors;
  - Failure modes and corresponding nominal strengths;
  - Requirements for testing and evaluation of adhesive anchors for use in both cracked and uncracked concrete;
  - Adhesive anchors subject to sustained loads;
  - Criteria for overhead adhesive anchors;
  - Seismic requirements for anchoring to concrete;
  - Installation and inspection of adhesive anchors; and
  - Certification of adhesive anchor installers;
- Enhanced reinforcement detailing for seismic applications;
- New test methods for sulfate resistance;
- New deformed bars;
  - Grade 80 deformed bars (ASTM A615 and A706) for non-seismic applications;
  - Zinc and epoxy dual-coated reinforcing bars (ASTM A1055);
- Test records up to 24 months old to determine standard deviation for mixture proportioning;
- Testing agency performing acceptance testing concrete to comply with ASTM C1077;
- Detailing of circular column ties;
- Design and detailing of temperature and shrinkage reinforcement for post-tensioned slabs;
- Factored load combinations conforming with those of ASCE 7-10;
- Minimum reinforcement for deep beams;
- Detailing for structural integrity;
- Designing with strut-and-tie models; and
- Development length of headed bars.

**Faculty:** Two of the following will be your instructors:

**Neal Anderson**, Concrete Reinforcing Steel Institute (CRSI), IL; **Ron Cook**, University of Florida; **Cathy French**, University of Minnesota; **Robert Frosch**, Purdue University, IN; **S.K. Ghosh**, S.K. Ghosh Associates, Inc., IL; **Neil Hawkins**, University of Illinois; **Mahmoud Kamara**, Portland Cement Association (PCA), IL; **Dominic Kelly**, Simpson Gumperts & Heger Inc., MA; **Lawrence Novak**, Portland Cement Association (PCA), IL; **Andy Taylor**, KPFF, WA; and **Jim Wight**, University of Michigan.

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

### Who Should Attend?

Structural engineers, specifiers, building officials, contractors, architects, and inspectors interested in keeping up with the latest information in concrete design and construction.

### Continuing Education Credit

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

American Institute of Architects (G115;318)  
Florida Board of Professional Engineers (Provider #0003855)  
Louisiana Professional Engineering and Land Surveying Board  
North Carolina Board of Examiners for Engineers and Surveyors

### Free Publications—A \$345.00 value

- Seminar lecture notes
- ACI 318-11, "Building Code Requirements for Structural Concrete and Commentary"
- "PCA Notes on ACI 318-08" and "PCA Notes on ACI 318-11 Companion Publication" (mailed to attendees free of charge when published this fall)
- Worked example problems from PCA

### Nonmembers of ACI

Pay the seminar registration fee (\$597), and you are entitled to a complimentary, one-time, 6-month membership, a \$111 value. Your membership will start following your attendance at the 318 Code seminar. Membership includes a monthly issue of *Concrete International*, a bimonthly issue to the *ACI Structural Journal*, discounts on ACI publications, and much more.

This offer is available by registering online at [www.concreteseminars.com](http://www.concreteseminars.com) or by contacting ACI for details.

## seminar dates and locations

For additional dates and locations or more information on ACI seminars, visit [www.concreteseminars.com](http://www.concreteseminars.com). Dates are subject to change.

### Please check seminar location and date

<input type="checkbox"/> ILF	<b>September 13, 2011</b>	<b>Chicago, IL*</b>	<input type="checkbox"/> MIF	<b>November 10, 2011</b>	<b>Detroit, MI</b>
<input type="checkbox"/> PAF	<b>September 27, 2011</b>	<b>Philadelphia, PA</b>	<input type="checkbox"/> IAF	<b>November 15, 2011</b>	<b>Des Moines, IA</b>
<input type="checkbox"/> HOF	<b>September 29, 2011</b>	<b>Houston, TX</b>	<input type="checkbox"/> ORF	<b>November 17, 2011</b>	<b>Portland, OR</b>
<input type="checkbox"/> WAF	<b>October 4, 2011</b>	<b>Seattle, WA</b>	<input type="checkbox"/> COF	<b>November 29, 2011</b>	<b>Denver, CO</b>
<input type="checkbox"/> LAF	<b>October 6, 2011</b>	<b>Los Angeles, CA</b>	<input type="checkbox"/> AZF	<b>December 1, 2011</b>	<b>Phoenix, AZ</b>
<input type="checkbox"/> NYF	<b>October 11, 2011</b>	<b>New York, NY</b>	<input type="checkbox"/> GAF	<b>December 6, 2011</b>	<b>Atlanta, GA</b>
<input type="checkbox"/> MNF	<b>October 13, 2011</b>	<b>Minneapolis, MN</b>	<input type="checkbox"/> DCF	<b>December 8, 2011</b>	<b>Washington, DC</b>
<input type="checkbox"/> OHF	<b>October 20, 2011</b>	<b>Cincinnati, OH**</b>	<input type="checkbox"/> TXF	<b>December 13, 2011</b>	<b>Dallas, TX</b>
<input type="checkbox"/> NJF	<b>October 25, 2011</b>	<b>New Brunswick, NJ</b>	<input type="checkbox"/> CAF	<b>December 15, 2011</b>	<b>San Francisco, CA</b>
<input type="checkbox"/> MOF	<b>October 27, 2011</b>	<b>St. Louis, MO</b>			
<input type="checkbox"/> FLF	<b>November 1, 2011</b>	<b>Orlando, FL</b>			
<input type="checkbox"/> NCF	<b>November 3, 2011</b>	<b>Charlotte, NC</b>			
<input type="checkbox"/> MAF	<b>November 8, 2011</b>	<b>Boston, MA</b>			

**CONSTRUCT** \*The Chicago, IL, seminar is being held in conjunction with CONSTRUCT and the Construction Specification Institute annual convention. Attendees of this seminar will receive complimentary admission to the CONSTRUCT exhibit hall.

\*\*This seminar is being held in conjunction with the ACI Fall 2011 Convention.

### 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. 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.

### fees and sign-up

One-day seminar	Nonmember Registration Fee
\$597	ACI National Member Registration Fee
\$457	Full-Time Student
\$125	

Registrations from nonmembers (except government agencies within the U.S.) must be accompanied by full payment or charged to VISA, MasterCard, or American Express.

To qualify for the discounted ACI National Members Seminar Fee, please provide your ACI Member number next to your name. Discounted student seminar fee is only for full-time students. Include current proof of enrollment with your registration.

Name	ACI Member No.:	
Title	Registration Fee:	\$
Company	Address 1	
Address 2	City, State, Zip	
Phone	Fax	E-mail

### payment

- I am paying by check (payable to ACI)
  - Please 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.
- Please charge to: (circle one) VISA MasterCard American Express

Signature: \_\_\_\_\_  
Expiration Date: \_\_\_\_\_  
Account Number: \_\_\_\_\_

### register today

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8 a.m.-5 p.m. ET  
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