



CHAPTER TALKS

Need a speaker for your Chapter Meeting?

ACI offers unlimited 1-hour webinar presentations to help support the educational needs of your chapter. Sessions are presented by ACI-staff and executive professionals from American Coal Ash Association and Slag Cement Association.

Scheduling is as easy as 1, 2, 3!

STEP 1 – SELECT TOPIC

STEP 2 – CONTACT ACI

STEP 3 – RECEIVE CONFIRMATION



American Concrete Institute
Always advancing

1 SELECT TOPIC

ACI SESSIONS

(ACI is an approved education provider for AIA and ICC)

ACI Code Advocacy*

Topics covered in this presentation include:

- o ACI's revised mission statement;
- o Components of building codes;
- o Model code development process;
- o Model code development advocacy roles;
- o State code development process; and
- o State code development advocacy roles.

ACI Certification, Now and the Future*

This presentation will explain the rigorous process ACI follows in creating these industry-relevant programs and include a brief outline of:

- o Adhesive Anchor Installer (AAI);
- o Adhesive Anchor Installation Inspector;
- o Concrete Quality Technical Manager (CQTM);
- o Masonry Field Testing Technician;
- o Masonry Laboratory Testing Technician; and
- o Self-Consolidation Concrete Testing Technician.

ACI Reference Specifications: Unraveling Concrete Specs*

Topics covered in this presentation will include:

- o What are ACI specifications;
- o Common features of ACI specifications, using ACI 301;
- o Summary of the ACI 301 checklists; and
- o Important upgrades in ACI 301-16.

ACI Repair Code 562-19**

Topics covered in this presentation will include:

- o Why a repair code is needed;
- o The philosophy behind ACI 562;
- o How the code promotes consistency in repair design;
- o Recognizing repair construction challenges;
- o Significance of a quality assurance program for successful repairs; and
- o How the code can save the owner money.

Adhesive Anchor Installer and Inspector Certifications**

Topics covered in this presentation will include:

- o Need for the AAI certification program;
- o How the programs were developed;
- o Understand the requirements to obtain these certifications;
- o Understand the process and availability of these programs in your area; and
- o Understand criteria associated with new AAI Inspector program.



Changes to the Concrete Design Standard**

Topics covered in this presentation will include:

- o Where higher grades of reinforcement are accepted and changes to the requirements for structural concrete to allow the higher reinforcement grades;
- o Changes to development lengths for straight bars, hooks, and headed deformed bars;
- o New requirements for post-installed screw type anchors and shear lug design for anchoring to concrete; and
- o Changes to shear design provisions and equations.

Concrete Cracking*

Topics covered in this presentation will include:

- o Causes and control of cracking;
- o Evaluation methods;
- o Mitigation; and
- o Crack repair.

Durability: How do we Measure it?*

This presentation will discuss the importance of durability and current test methods. Topics covered in this presentation include:

- o How to define durability;
- o Where to find durability requirements and guidance; and
- o Commonly used durability tests for freeze-thaw and alkali-aggregate reactivity.

FRP – Strengthening*

Topics covered in this presentation include:

- o Strengthening options;
- o Components and general properties;
- o System selection;
- o System design;
- o Construction; and
- o Maintenance.

Low Compressive Strength Test Results? What They Mean and Next Steps...*

Topics covered in this presentation include:

- o Definitions related to strength testing;
- o Methods of sampling, fabrication, handling, and curing strength test specimens;
- o Acceptance criteria for strength tests;
- o Interpretation of strength test results not meeting acceptance requirements ;
- o Investigation of non-compliant concrete; and
- o Addressing low strength concrete issues in production.

Mass Concrete: How Big is Big?*

This presentation will discuss how to identify mass concrete, ACI 301 requirements pertaining to it, and good construction practices and covers the following topics:

- o Examples of mass concrete structures;
- o Identifying mass concrete in the field;
- o Specification requirements;
- o Factors influencing mass concrete; and
- o Mitigation or design.

*Approved by ICC for 0.10 CEU (1 PDH). Approved by AIA for 1 LU hour.

**Approved by ICC for 0.10 CEU (1 PDH). Approved by AIA for 1 LU/HSW hour

SLAG CEMENT ASSOCIATION SESSIONS

Slag Cement for Sustainable Concrete Construction

This session focuses on the sustainable benefits of slag cement use. The presentation will cover how the use of slag cement can reduce the environmental footprint of a structure, help projects qualify for LEED accreditation, and contribute to enhanced concrete performance. Case studies will illustrate how different mix designs using slag cement can reduce carbon emissions while increasing the strength and durability of concrete. Attendees will also get a tutorial of the Slag Cement EPD and Life Cycle Assessment Calculator tool available to download on the SCA website.

Slag Cement in Concrete

This session covers the basics of slag cement use in concrete mix design as well as how slag cement enhances the strength, durability, and overall performance of concrete. Learn how to incorporate slag cement in combination with portland cement and/or other supplementary cementitious materials to reach your project's desired outcomes, creating a less permeable and more sustainable concrete. Presenters will also review the various specifications and standards regarding slag cement use. The session will wrap up with case study examples of projects that used slag cement successfully in a variety of applications.

In most cases, ACI will cover the speaker's travel expenses up to \$1,000.

AMERICAN COAL ASH ASSOCIATION SESSION

What Does Coal Have To Do With Concrete?

The cement and concrete industries consume almost 20 million tons of fly ash, bottom ash, and synthetic gypsum annually. These materials are recovered following the combustion of coal in power plants generating electricity. This presentation by the American Coal Ash Association will provide an overview of the utility industry and a look at the future supply of these materials.

2 CONTACT ACI

Once you have determined your topic and date for your Chapter Meeting, contact the **ACI Chapter Activities department**:

Phone: +1.248.848.3830; E-mail: denesha.price@concrete.org

Website: www.concrete.org



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3 RECEIVE CONFIRMATION

Once your speaker has been assigned, you will receive:

- o A confirmation which will include the title and description of the topic;
- o Picture and bio of the presenter; and
- o Logistics of the meeting including date and time.



CHAPTER TALKS

Meet the Presenters

Thomas Adams



Executive Director
American Coal
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Katie Amelio



Engineer
American
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Rex Donahey



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