Need a speaker for your Chapter Meeting?

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

**Scheduling is as easy as 1, 2, 3!**

**STEP 1 – SELECT TOPIC**

**STEP 2 – CONTACT ACI**

**STEP 3 – RECEIVE CONFIRMATION**
ACI SESSIONS

ACI 318 PLUS
In March 2021, ACI launched a new online document platform. This platform easily and conveniently links the content of one ACI document with curated, related content from other ACI forms of information such as committee documents, periodicals, videos, and 3-D graphics. The platform also allows each user to create their own sets of electronic notes for personal information and resources that can be shared with other individuals. The platform is built around ACI CODE-318-19 and the related design and detailing manuals. The platform will continue to grow to include additional ACI documents. This presentation will provide an overview of the platform and show you how you may be able to obtain free, no-obligation access to the platform.

ACI Code Advocacy*
Topics covered in this presentation include:
- ACI’s revised mission statement;
- Components of building codes;
- Model code development process;
- Model code development advocacy roles;
- State code development process; and
- 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:
- Adhesive Anchor Installer (AAI);
- Adhesive Anchor Installation Inspector;
- Concrete Quality Technical Manager (CQTM);
- Masonry Field Testing Technician;
- Masonry Laboratory Testing Technician; and
- Self-Consolidation Concrete Testing Technician.

ACI Reference Specifications: Unraveling Concrete Specs*
Topics covered in this presentation will include:
- What are ACI specifications;
- Common features of ACI specifications, using ACI 301;
- Summary of the ACI 301 checklists; and
- Important upgrades in ACI 301-20.

ACI Repair Code 562-21**
Topics covered in this presentation will include:
- Why a repair code is needed;
- The philosophy behind ACI 562;
- How the code promotes consistency in repair design;
- Recognizing repair construction challenges;
- Significance of a quality assurance program for successful repairs; and
- How the code can save the owner money.

Adhesive Anchor Installer and Inspector Certifications**
Topics covered in this presentation will include:
- Need for the AAI certification program;
- How the programs were developed;
- Understand the requirements to obtain these certifications;
- Understand the process and availability of these programs in your area; and
- Understand criteria associated with new AAI Inspector program.

Changes to the Concrete Design Standard**
Topics covered in this presentation will include:
- Understand where higher grades of reinforcement are accepted and changes to the requirements for structural concrete to allow the higher reinforcement grades.
- Identify changes to development lengths for straight bars, hooks, and headed deformed bars.
- Learn the new requirements for post-installed screw type anchors and shear lug design for anchoring to concrete.
- Describe the changes to shear design provisions and equations.

Concrete Cracking*
Topics covered in this presentation will include:
- Causes and control of cracking;
- Evaluation methods;
- Mitigation; and
- Crack repair.

Concrete Sustainability & Resilience*
NEW! The presentation provides an overview of low-carbon concrete, sustainability, and resilience specific to the concrete industry. Topics include terminology and acronyms, state of the practice, what to expect in the future, legislation, and resources.
- Describe the concepts of sustainability and resilience in the context of the concrete industry;
- Identify ways the concrete industry can contribute to sustainability;
- Summarize the current status of the concrete industry in providing low-carbon solutions; and
- Define the following low-carbon concrete related terms: GWP, EPD, LCA.

Curing is Good*
Topics covered in this presentation will include:
- Define curing and related terms;
- Recall different curing methods;
- Examine research findings on curing;
- Review minimum curing requirements from ACI, AASHTO, and state DOTs; and
- Explain curing timing in relation to construction activities.

Durability: How Do We Measure It?*
This presentation will discuss the importance of durability and current test methods. Topics covered in this presentation include:
- How to define durability;
- Where to find durability requirements and guidance; and
- Commonly used durability tests for freeze-thaw and alkali-aggregate reactivity.

Evaluation of Concrete Cores Test Results According to ACI 318-19
(Virtual Presentation Only)
Topics covered in this presentation will include:
- Identify the compressive strength acceptance criteria in ACI 318-19.
- Explain when coring is needed and who selects the core locations.
- Identify the number and size of concrete cores when evaluating strength in accordance with ACI 318-19.
- Describe actions taken when one or more cores are below the acceptance criteria.

*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.
FRP – Strengthening*
Topics covered in this presentation include:
- Strengthening options;
- Components and general properties;
- System selection;
- System design;
- Construction; and
- Maintenance.

History of Concrete – How it Started (Virtual Presentation Only)
Topics covered in this presentation include:
- Explain the definitions of cement and concrete.
- Show how early man may have accidentally discovered our first cement.
- Identify how mud bricks, fired bricks, and pottery led to the discovery of our first concrete.
- Describe the first kilns that were developed to make cement.
- Show the evolutionary steps from making lime to our modern portland cement concrete.

Low Compressive Strength Test Results? What They Mean and Next Steps...*
Topics covered in this presentation include:
- Definitions related to strength testing;
- Methods of sampling, fabrication, handling, and curing strength test specimens;
- Acceptance criteria for strength tests;
- Interpretation of strength test results not meeting acceptance requirements;
- Investigation of non-compliant concrete; and
- 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:
- Examples of mass concrete structures;
- Identifying mass concrete in the field;
- Specification requirements;
- Factors influencing mass concrete; and
- Mitigation or design.

New ACI Code 440.11-22: Building Code Requirements for Structural Concrete Reinforced with Glass Fiber-Reinforced Polymer (GFRP) Bars*
NEW! This presentation will identify the basic material performance properties of GFRP reinforcing bars—how they compare to traditional steel reinforcement, and how they should be used. It will discuss the basic code requirements for GFRP reinforced concrete and how the new code relates to other key codes and standards from ACI, ASTM and ICC.
- Identify the basic material performance properties of GFRP reinforcing bars and how they compare to traditional steel reinforcement.
- Explain where the new ACI code for GFRP reinforced concrete applies, what the limitations are for using this code are, and how it relates to other standards from ACI, ASTM, and ICC.
- Gain a basic knowledge of mechanics of GFRP reinforced concrete and how it compares to steel reinforced concrete.
- Describe the code requirements that relate to the installation of GFRP bars and other general considerations for their field application.

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.

AMERICAN SHOTCRETE ASSOCIATION SESSION
Introduction to Shotcrete*
Topics covered in this presentation include:
- Introduction to shotcrete;
- Advantages and benefits using the shotcrete process;
- Dry-mix and wet-mix processes;
- Specifications, material considerations, and typical performance guidelines;
- Surface preparation; and
- Pre-construction, jobsite conditions, and curing methods.

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.
MEET THE PRESENTERS

Thomas Adams
Executive Director
American Coal Ash Association

Robert Howell
Engineer
American Concrete Institute

Sureka Sumanasooriya
Technical Director
NEU

Katie Amelio
Engineer
American Concrete Institute

Michael Morrison
Manager of Certification Program Development
American Concrete Institute

Kerry Sutton
Engineer
American Concrete Institute

Rex Donahey
Director, Innovative Concrete Technology
American Concrete Institute

Khaled Nahlawi
Engineer
American Concrete Institute

Steve Szoke
Engineer
American Concrete Institute

William J. Gold
Engineer
American Concrete Institute

Matthew Senecal
Director, Engineering
American Concrete Institute

Mike Tholen
Managing Director, Engineering & Professional Development
American Concrete Institute

Trey Hamilton
Engineer
American Concrete Institute

Andrea Schokker
Engineer
American Concrete Institute

Gregory Zeisler
Engineer
American Concrete Institute

Charles Hanskat
Executive Director
American Shotcrete Association

Luke Snell
Concrete Consultant

Jerzy Zemajtis
Executive Director
NEx

Schedule your Chapter Talks Presenter today!