



VIRTUAL

CONCRETE CONVENTION

THE WORLD'S GATHERING PLACE FOR ADVANCING CONCRETE



MARCH 28–APRIL 1, 2021

CONVENTION PREVIEW

For more information, please visit aciconvention.org.



About the ACI Concrete Convention

The ACI Concrete Convention is the world's gathering place for advancing concrete materials, design, construction, and repair, bringing together the world's most well-known leaders with professionals looking to learn. Conventions provide a forum for networking and education and an opportunity to provide input on the concrete industry's codes, specifications, and guides.

Committees meet to develop the standards, reports, and other documents necessary to keep up with the ever-changing world of concrete technology. Committee meetings are open to all registered convention attendees.

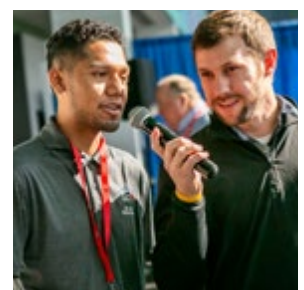
Technical and educational sessions provide attendees with the latest research, case studies, best practices, and the opportunity to earn Professional Development Hours (PDHs).

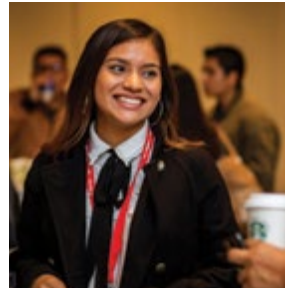
Additionally, the Convention offers numerous networking events where you can expect to meet with many of the industry's top engineers, architects, contractors, educators, manufacturers, and material representatives from around the world.



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Visit www.aciconvention.org for the latest Schedule of Events and updates.

Convention registration includes access to all committee meetings, sessions, and special events.

Saturday, March 27, 2021

10:00 am – 9:30 pm Committee Meetings

Sunday, March 28, 2021

9:00 am – 10:00 am Opening Session and Keynote Presentation
 9:00 am – 4:45 pm Sponsor Demonstrations
 10:00 am – 12:00 pm Sessions
 10:00 am – 4:00 pm Networking Lounge
 10:00 am – 8:30 pm Committee Meetings
 10:30 am – 12:00 pm ACI International Forum
 12:00 pm – 1:00 pm International Lunch and Learn—Speaker: Denis McNelis
 1:00 pm – 3:00 pm Sessions
 1:00 pm – 5:30 pm Concrete Solutions Competition
 4:00 pm – 6:00 pm Sessions
 7:00 pm – 8:00 pm Student Networking Event

Monday, March 29, 2021

9:00 am – 4:45 pm Sponsor Demonstrations
 10:00 am – 12:00 pm Sessions
 10:00 am – 4:00 pm Networking Lounge
 10:00 am – 10:00 pm Committee Meetings
 12:00 pm – 1:00 pm Student Lunch and Learn
 1:00 pm – 3:00 pm Sessions
 4:00 pm – 6:00 pm Sessions
 6:00 pm – 7:00 pm Women in ACI Reception

Tuesday, March 30, 2021

9:00 am – 4:45 pm Sponsor Demonstrations
 10:00 am – 12:00 pm Sessions
 10:00 am – 4:00 pm Networking Lounge
 10:00 am – 9:00 pm Committee Meetings
 12:00 pm – 1:00 pm ACI Student Forum
 12:00 am – 1:00 pm Architects' Day Lunch and Learn
 1:00 pm – 3:00 pm Sessions
 4:00 pm – 6:00 pm Sessions
 6:00 pm – 6:45 pm Concrete Mixer

Wednesday, March 31, 2021

9:00 am – 4:45 pm Sponsor Demonstrations
 10:00 am – 12:00 pm Sessions
 10:00 am – 3:30 pm Committee Meetings
 10:00 am – 4:00 pm Networking Lounge
 1:00 pm – 3:00 pm Sessions
 4:00 pm – 6:00 pm Sessions
 5:00 pm – 6:00 pm President's Reception

Thursday, April 1, 2021

10:00 am – 12:00 pm Sessions
 11:00 am – 3:00 pm Board of Direction Meeting
 1:00 pm – 3:00 pm Sessions
 4:00 pm – 6:00 pm Sessions

*All times are listed in EDT (UTC-04:00)

Earn CEUs/PDHs for Session Attendance

To earn CEUs/PDHs, attend the entire duration of a live session or mini session, jot down the three codes given out during the session, and submit them online to receive a certificate. In most cases, one contact hour is equal to one Professional Development Hour (PDH). Check with your state board for acceptance criteria. Please note: ACI does not track and cannot provide documentation confirming attendee participation or attendance at any ACI session held during the virtual convention. On-demand sessions do not qualify for CEUs.

Photographing, audio-recording, and videotaping of the speaker or presentation is strictly prohibited without the speakers' prior written consent. All listings are subject to change.

Sunday, March 28, 2021

Opening Session and Keynote Presentation

9:00 am – 10:00 am

Sponsored by AOE



The Opening Session is the official start to the ACI Convention and will be hosted by ACI Fellow George Seegebrecht. We will begin with a welcome by ACI President Jeff Coleman. Next, awards for Honorary Membership and Fellows will be presented. Finally, we'll kick off the convention with a presentation from our keynote speaker, Brian Lubinski.

International Lunch and Learn

12:00 pm – 1:00 pm

Sponsored by Concrete Sealants, Inc.



Speaker: Denis McNelis

Title: Museum of the Future

The Iconic Museum of the Future Project in Dubai is an amazing piece of architecture which presented many challenges for the structural engineering design and

construction. This presentation will provide an overview of the tools and techniques used to solve some of the challenges in constructing the concrete ring beam supporting the steel diagrid framing for the building and some of the complex interface details between the steel and the ring beam. This is a BIM project from the concept design phase and some lessons learned will be shared. Additional information on the International Lunch and Learn can be found at www.aciconvention.org.

Concrete Solutions Competition

1:00 pm – 5:30 pm

The top 20 university teams will participate in a live interview to demonstrate and/or explain how their use of concrete could positively impact the world at large. Attendance is by invitation only. This event is sponsored by ACI Committee S801, Student Competitions. For more information, visit www.concrete.org/students/studentcompetitions.

Student Networking Event

7:00 pm – 8:00 pm

ACI undergraduate and graduate students are invited to participate in an evening of networking and games hosted by the local ACI Student Chapter. This event is sponsored by ACI Committee S805, Student Leadership Council.

Monday, March 29, 2021

Student Lunch and Learn

12:00 pm – 1:00 pm

Sponsored by Baker Concrete Construction



Join us virtually for the Student Lunch and Learn. For additional information on the Student Lunch and Learn, please visit www.aciconvention.org.

Women in ACI Reception

6:00 pm – 7:00 pm

Come one, come all and join the fun at the most entertaining virtual reception sponsored by Women in ACI. Building on the success of the reception at the fall convention, attendees will join breakout rooms where games are played and prizes awarded. Breakout rooms will also provide attendees with the opportunity for fellowship and fun in a more informal environment. During this reception, the Women in ACI will introduce the winners of the Young Professional Convention Sponsorship. So please come join the Women in ACI and support young professionals!

Tuesday, March 30, 2021

Architects' Day Lunch and Learn

12:00 pm – 1:00 pm

Sponsored by Euclid Chemical



Don't miss out on the virtual Architects' Day Lunch and Learn. For additional information on the Architects' Day Lunch, the speaker, and the topic, please visit www.aciconvention.org.

Concrete Mixer

6:00 pm – 6:45 pm

Attendees will have the opportunity to network with one another in a fun and casual virtual environment following a welcome presentation from the ACI Maryland Chapter and the ACI National Capital Chapter.

Wednesday, March 31, 2021

President's Reception

5:00 pm – 6:00 pm

Join ACI President Jeff Coleman for an evening of virtual networking during the President's Reception. Coleman will begin the program with recognition to the individuals and organizations that have shown exceptional service and dedication to ACI, followed by networking in a fun and casual virtual environment.

A total of 45 technical sessions will be presented live with on-demand viewing available afterwards, providing substantial opportunity to advance knowledge and earn Continuing Education Units (CEUs)/ Professional Development Hours (PDHs). Of the 45 total sessions, five featured sessions include:

Legal Issues in Concrete Construction—Lessons Learned

This session will bring together individuals with extensive experience in litigation related to concrete construction to share their experiences as lawyers, expert witnesses, and engineers through case studies and experience-based recommendations. Moderated by Jeff Coleman, with speakers Randy Poston, Bill Rushing, Matt D'Ambrosia, and Jeff Coleman.

The Concrete Industry in the Era of Artificial Intelligence

This session will provide insight on the merit of using artificial intelligence (AI) in the concrete industry with focus on how to better the performance of concrete materials at ambient and elevated temperatures and showcase the substantial potential of using AI to improve design of concrete structures under traditional and fire conditions. Moderated by M. Z. Naser, with speakers Henry Burton, Andrew Fahim, Pouria Ghods, Aali Alizadeh, Tahmid Medhi, Hayder Rasheed, Alaaeldin Abouelleil, Eric Fletcher, Emilio Taenqua, Liberato Ferrara, Ali Al-Obaidi, S. Gupta, and M. Z. Naser.



Adjusting Workability of Successful 3-D Concrete Printing

This two-part session will highlight the importance of controlling fresh-state properties for the successful execution of 3-D concrete printing. Moderated by Shiho Kawashima and Scott Jones, with speakers Mohamadreza Moini, Jan Olek, Pablo Zavattieri, Jeffrey Youngblood, Gaurav Sant, Jason Timmons, Iman Mehdipour, Shang Gao, Hakan Atahan, Narayanan Neithalath, Mathieu Bauchy, Edward Garboczi, Samanvaya Srivastava, Wilson Ricardo Leal da Silva, Thomas Andersen, Nicos Martys, Scott Jones, William George, Timothy Wangler, Robert Platt, Peter Stynoski, Eric Kreiger, Megan Kreiger, Viktor Mechtcherine, Karthik Pattaje, Chuanyue Shen, David Lange, Lex Reiter, Sooraj Nair, Manu Santhanam, Mohammed Sonebi, M. Dedenis, Sofiane Amziane, Arnaud Perrot, Joseph Biernacki, Hajar Afarani, Newell Moser, and Ebrahim Nasr-Esfahani.

Impact of Hot Weather Conditions on Concrete Repair

This two-part session will assist contractors, material suppliers, and specifiers with practical information that can be used for planning, constructing, and designing successful hot weather repair projects. Moderated by G. Terry Harris.

Productivity in the Concrete Industry—Why Has it Stagnated and How Can ACI Help?

Productivity in the U.S. construction industry has been flat for 50 years, while productivity of U.S. industry in general has nearly doubled in that same time frame. Why? And what can ACI do about it? This session will explore answers to these and other questions and will include presentations from designers and contractors offering their perspectives on how ACI can help confront this very important industry issue. Moderated by Cary Kopczynski.



Photographing, audio-recording, and videotaping of the speaker or presentation is strictly prohibited without the speakers' prior written consent. All listings are subject to change.

Sponsorship investments help make Convention possible, providing a place for industry professionals to advance their knowledge of concrete.

ACI would like to thank the following organizations for their donations. (Listed as of 1/15/2021)

Premier (\$15,000)



Reinforced (\$10,000)



Precast (\$5000)



Ready Mix (\$2000)



ACI Chapter Sponsor – Level I (\$500)



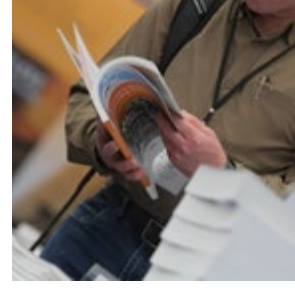
Visit www.aciconvention.org for an updated list of sponsors.

Become a Sponsor

Sponsorship of this event continues to be one of the best ways to brand your organization as a leader in the industry and to highlight your commitment to advancing and sharing knowledge. We would love for you to partner with us, join forces, and inspire today's concrete industry professionals to learn, grow, and innovate. Don't miss this opportunity to be a part of this important virtual gathering of professionals. Reserve your spot today! For a complete listing of sponsorship levels and sponsorship opportunities, visit www.aciconvention.org.

For more information on becoming a sponsor, please contact:

Kim Spillane, Sales-Business Development Coordinator
 American Concrete Institute
Kim.Spillane@concrete.org
 +1.248.848.3197



How to Register

To register for Convention, please visit the [Convention website](#).

Registration Fees

Registration Type	Pricing
Member	\$99
Nonmember	\$179
Student	FREE

Convention registration includes access to all committee meetings, sessions, and special events. Please register for the convention to access convention events.

Student Registration

Attention Students! To qualify for the student rate, you must be a current ACI student member. All students who are not current members of ACI will need to apply for FREE student membership at www.concrete.org/Membership/StudentMembership. Registration forms will not be accepted at the student rate until your membership application has been processed.

Young Professional Registration

Young Professionals with less than 8 years of industry experience are encouraged to apply to receive free convention registration to attend the ACI Virtual Concrete Convention, March 28 - April 1, 2021. [Learn more](#).

ACI Event Platform and Mobile App

ACI is using CrowdCompass as the event platform and mobile app for the ACI Virtual Concrete Convention. All attendees must use this event platform (or the mobile version) to access all convention events and content. You must be a registered attendee to access the event platform. For more information on how to access the web-based event platform or mobile app, please visit www.aciconvention.org.

Stay Connected

ACI Online

www.aciconvention.org is now mobile optimized, giving you access to the Meeting Schedule, My Schedule, Sessions, and Future Conventions from virtually anywhere.

ACI Social Media



Follow the ACI Concrete Convention on Facebook, Instagram, and Twitter with #aciconvention.



Networking

The ACI Virtual Convention offers numerous networking events where you can expect to virtually meet with many of the industry's top engineers, architects, contractors, educators, manufacturers, and material representatives from around the world. Networking events include the Concrete Mixer, Women in ACI Reception, Student Networking Event, President's Reception, and more!

ACI Store

Visit the ACI Store, the official location for ACI merchandise. Browse standards, technical documents, and other resources as well as ACI apparel. The ACI Store is also a good source for additional information on ACI services such as ACI University and the ACI Foundation. Order your ACI merchandise and apparel today on the [ACI Store](#).