



THE WORLD'S GATHERING PLACE FOR ADVANCING CONCRETE

PROGRAM BOOK

NOVEMBER 3-6, 2024

Philadelphia Marriott Downtown,
Philadelphia, PA, USA

For more information, please visit [aciconvention.org](https://www.aciconvention.org).

Convention Sponsors

Sponsors are listed as of 9/23/2024

Concrete (\$15,000)

CONTROLS

Cement (\$10,000)



Reinforcement (\$5,000)



Admixture (\$2,500)



Convention Sponsors cont.

Sponsors are listed as of 9/23/2024

Aggregate (\$1,000)



Water (\$500)

ACI Arkansas Chapter
 ACI Eastern Pennsylvania & Delaware Chapter
 ACI Greater Michigan Chapter
 ACI Illinois Chapter

ACI Intermountain Chapter
 ACI Kansas Chapter
 ACI San Diego Chapter

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

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**CONV
2024**

Download the
Convention App,
powered by Guidebook

Search “ACI Convention” on
 your Apple or Android device.

American Concrete Institute Board of Direction

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ACI President's Welcome

ACI Members and Guests:



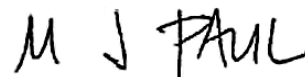
On behalf of myself and ACI, it is a pleasure to welcome you to Philadelphia, PA, USA, and the ACI Concrete Convention.

The ACI Concrete Convention provides the industry with a professional environment where individuals from across the globe come together to share new ideas and discover innovative ways to use concrete. The ACI Concrete Convention offers educational opportunities for personal growth, committee opportunities for technical advancement, and networking opportunities for professional enrichment. The opportunities are numerous, with over 350 committee meetings; 50+ technical sessions; an exciting student competition; and numerous networking events, culminating with the Concrete Mixer on Tuesday night. In addition, the industry exposition showcases the products and services of more than 50 companies from around the world! I urge you to make the most of your time here and attend these events.

Please join me in thanking our outstanding sponsors and exhibitors. None of this would be possible without them. Anyone who is wearing a Convention sponsor or exhibitor ribbon has played an integral role in the success of this Convention. Please be sure to thank them while at the Convention and stop by their booths to see the newest products and services on the market today.

I am honored and excited to share this week with you, and I hope you enjoy all that Philadelphia has to offer. Thank you for attending the convention and for your continued involvement in ACI.

Kind regards,



Michael Paul
ACI President

ACI Eastern Pennsylvania and Delaware Chapter Convention Committee

Guest Program:

Steve Cole

Technical Tour:

Mohamed Idrissi Hassani

Student Competition:

David Foster

Technical Session:

Gary Horninger

Secretary and Finance:

Barbara Sagusti

ACI Sustaining Members

Sponsors are listed as of 9/23/2024

 Abdullah Abdin Al Bukhari Factory for Industry	 AM Concrete Inc.	 American Engineering Testing, Inc.	 American Society of Concrete Contractors	 Ash Grove Cement Company
 B&B Concrete of Kansas, LLC	 Baker Concrete Construction, Inc.	 Bauman Landscape & Construction, Inc.	 Cantera Concrete Company	 Capital Concrete, LLC
 Ceco Concrete Construction, LLC	 CMC	 Concrete Reinforcing Steel Institute	 Concrete Sealants, Inc.	 Concrete Strategies LLC
 CTLGroup	 Doka USA, Ltd.	 The Euclid Chemical Company	 GFT Ready Mix	 Hawkins Construction and Flat Work, LLC
 Heidelberg Materials	 Husqvarna Construction	 Keystone Structural Concrete, LLC	 Lampasona Concrete LLC	 Lithko Contracting, LLC
 MAPEI Corporation	 Master Builders Solutions US, LLC	 Metromont Corporation	 Municipal Testing Group	 Norseman Protective Solutions
 North S.Tarr Concrete Consulting, P.C.	 Oztec Industries, Inc.	 Penetron International Ltd.	 Phoenix Industrial	 Prefabricados de Concreto Solana
 The Quikrete Companies	 R and S Cement	 Seretta Construction, Inc.	 Sika Corporation	 Specialty Products Group, Inc.
 STRUCTURAL	 Structural Services, Inc.	 Tekna Chem S.p.A	 Vector Corrosion Technologies	 W. R. Mmeadows, Inc.

General Information

For detailed program information and program changes, download the Convention app.

ACI Event Platform & Mobile App

ACI is using Guidebook, a mobile app and event platform, for the ACI Concrete Convention. Attendees can access on-demand content, create a personal schedule, get the latest program information, and more. You must be a registered Convention attendee to access the Guidebook platform.

Schedule Changes

Cancellations, additions, and location changes to the Convention schedule will be posted daily in the Convention app.

Exhibit Hall Refreshments—Franklin Hall

Beverages are available courtesy of ACI during the following hours:

Saturday	Soda	2:00 pm – 6:00 pm
Sunday – Tuesday	Soda	1:00 pm – 4:00 pm
Sunday – Wednesday	Coffee	7:00 am – 10:00 am

ACI Resource Area

Looking to learn more about ACI's resources? Visit the ACI Resource Area in the Exhibit Hall and learn more about ACI Certification programs, the ACI Excellence in Concrete Construction Awards, and the ACI Foundation.

ACI Excellence in Concrete Construction Awards

Learn more about the ACI Excellence in Concrete Construction Awards, which take place during every fall Convention, and how to co-brand your organization or nominate your project.

ACI Foundation

The ACI Foundation is a 501(c)(3) nonprofit organization (wholly owned by ACI) that supports a wide range of research and educational initiatives that contribute to keeping the concrete industry at the forefront of technological advances in material composition, design, and construction. We engage with industry partners, invest in students and research, share knowledge, and provide programs to encourage innovation and new technology. Learn more at the ACI Foundation booth, located in the ACI Resource Area.

ACI Cyber Café and Meeting Spot—Franklin Hall

Stop by the ACI Cyber Café and Meeting Spot—the perfect place to stay connected with work and family or network with ACI attendees during refreshment breaks. Use the computers to browse the web, print on-demand, or catch up on email.

Saturday	2:00 pm – 6:00 pm
Sunday – Tuesday	8:00 am – 5:00 pm
Wednesday	8:00 am – 12:00 pm

ACI Lunch Concessions—Franklin Hall

Sunday – Tuesday	11:00 am – 2:00 pm
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Looking for Exercise?

Meet up with other ACI attendees in the **Philadelphia Marriott Downtown** lobby before heading out for your morning run or walk. Local area maps are available at the hotel concierge desk. All are welcome.

Sunday – Wednesday	5:00 am and 6:00 am
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Session Handouts On-Demand

Handouts are available from speakers who have elected to provide and post them on the ACI website. Stop by the Cyber Café or go to www.aciconvention.org/handouts to download or print a copy of the handouts for the sessions you plan to attend. If you do not find a handout for a particular session, please contact the speaker for more information.

Philadelphia Marriott Downtown

Circ Bar

Hours:

Monday – Thursday, Sunday: 11:30 am – 12:00 am;
Friday – Saturday: 11:30 am – 1:00 am

Liberty Lanes Pub

Hours:

Monday – Thursday, Sunday: Closed
Friday – Saturday: 5:00 pm – 11:00 pm

THIRTEEN Restaurant

Hours:

Monday: 6:30 am – 10:00 am, 11:30 am – 1:30 pm
Tuesday – Friday: 6:30 am – 10:00 am, 11:30 am – 1:30 pm,
5:00 pm – 10:00 pm
Saturday: 6:30 am – 10:00 am, 12:00 pm – 1:30 pm,
5:00 pm – 10:00 pm
Sunday: 6:30 am – 10:00 am, 12:00 pm – 1:30 pm

Center City Pantry

Hours: Every day: 6:30 am – 11:00 pm

Please visit the Philadelphia Marriott Downtown website to view additional restaurant information.

Suitcasing

Attendees or sponsors found to be “suitcasing” (soliciting business in session and committee meeting rooms, aisles, or the booth of another sponsoring exhibitor) will be asked by staff to cease this practice. Should this continue, they will be asked to leave the show floor immediately and will forfeit any sponsor points earned for that show.


Anti-Harassment Policy

It is the policy of the American Concrete Institute (ACI) that all participants in ACI and its subsidiaries' activities and events will enjoy an environment free from all forms of harassment and retaliation. Harassment, sexual or otherwise, is a form of misconduct that undermines the integrity of ACI activities and events, and violators of this policy will be subject to discipline. To view ACI's Anti-Harassment policy in its entirety, please visit: www.concrete.org/events/policy.aspx.

General Information

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Continuing Education

 ACI is a continuing education provider for the American Institute of Architects (AIA) and the International Code Council (ICC). All sessions approved by AIA or ICC are noted with AIA and ICC logos and the number of hours.

Earn CEUs/PDHs for Session Attendance

Attend the entire duration of a live session and record the codes given out during the session using the spaces provided at the end of the Program Book (Session PDH Tracker). 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 Convention.** On-demand recordings of sessions are not eligible for Continuing Education Units (CEUs).

For attendance certificates:

1. Visit www.concrete.org and sign in.
2. Hover over **My ACI** and click on **My ACI CEU/PDH**.
3. Select the convention, day, and title of the session for which you are submitting session codes.
4. After successfully submitting the session codes, your certificate will be available under the session title.

Speaker Ready Room—Registration Desk I

The Speaker Ready Room is available to moderators, speakers, and committee Chairs during the following hours:

Saturday	2:00 pm – 6:00 pm
Sunday – Tuesday	7:00 am – 6:00 pm
Wednesday	7:00 am – 11:00 am

All speakers are requested to check in at the Speaker Ready Room 1 day prior to their session to ensure that their presentations have been uploaded and work properly on the ACI computers.

Please note: Speakers participating in a Mini Session cannot check their presentation into the Speaker Ready Room—they must bring their presentation with them to the Mini Session.

Guest-Only Events

Please note that the following guest events are for registered guests only. To be a registered guest, a guest registration must accompany an attendee registration. Please note, there is no longer a Guest Social.

Guest Hospitality—Grand Ballroom Salon L

Sunday – Wednesday, 7:00 am – 10:00 am
Coffee, tea, and breakfast items will be available for guests each morning (Sunday – Wednesday). You must be a registered guest to attend.

Guest Lounge—Grand Ballroom Salon L

Sunday – Wednesday, 10:00 am – 4:00 pm
Stop by the Guest Lounge to relax and meet other ACI guests. Guests can enjoy the Guest Lounge Sunday through Wednesday.

Guest Overview—Grand Ballroom Salon L

Sunday, November 3, 2024
8:00 am – 9:00 am
Acquaint yourself with the week ahead in Philadelphia. Learn about the exciting things to do in and around the city.

ACI Concrete Convention



Spring 2025 | Toronto, Canada

Mark your calendars for the ACI Concrete Convention in Toronto, ON, Canada, March 30-April 2, 2025, at the Sheraton Centre Toronto Hotel.

Social Media

Stay up to date with all things ACI by following us on social media.



FUTURE ACI CONVENTIONS

SPRING 2025 Toronto, Ontario, Canada | March 30-April 2, 2025

FALL 2025 Baltimore, MD, USA | October 26-29, 2025

SPRING 2026 Rosemont/Chicago, IL, USA | March 29-April 1, 2026

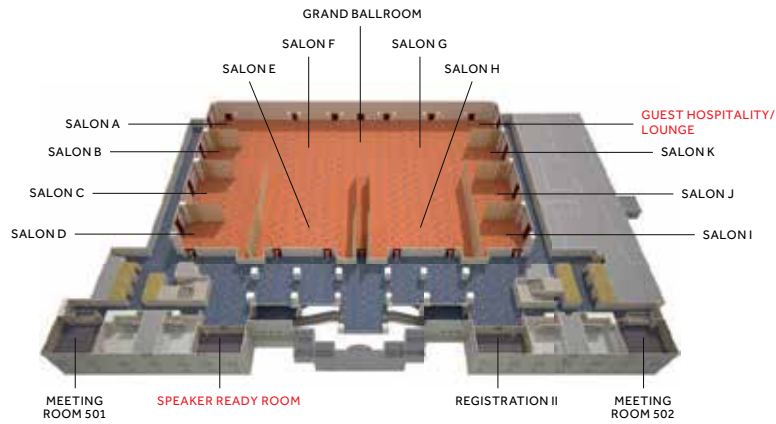
For a complete listing of all future conventions, visit www.aciconvention.org.



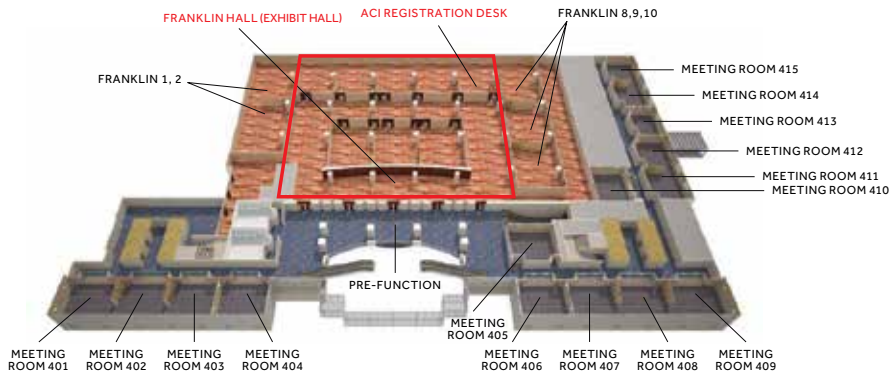
Meeting Space Map

Philadelphia Marriott Downtown

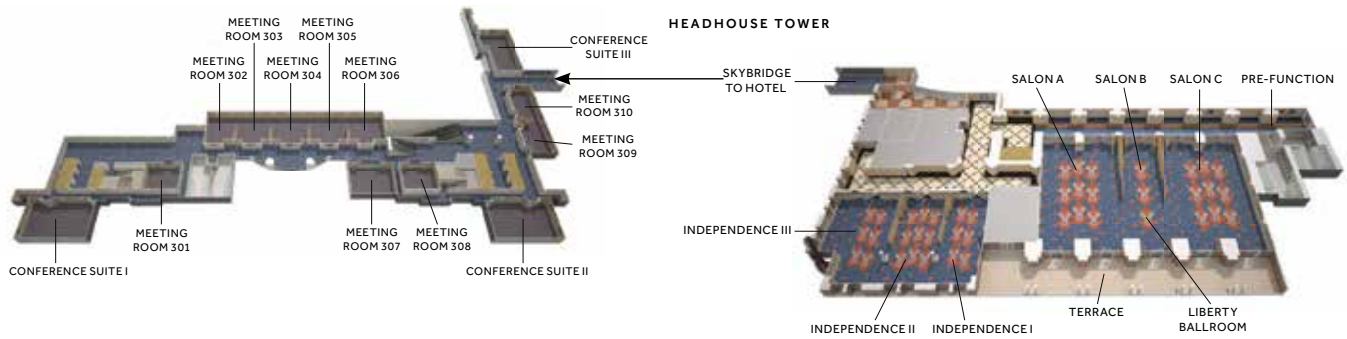
LEVEL 5



LEVEL 4



LEVEL 3



Where's That Meeting Room?

Philadelphia Marriott Downtown

Room Name	Location
301	Level 3
302	
303	
304	
305	
306	
307	
308	
309	
310	
Conference Suite I	
Conference Suite III	
Franklin Hall (Exhibit Hall)	
Franklin Hall 1	
Franklin Hall 2	
Franklin Hall 8	
Franklin Hall 9	
Franklin Hall 10	
401	
402 & 403	
404	
405	
406	
407	
408 & 409	
411 & 412	
414 & 415	
Registration Desk I (Speaker Ready Room)	Level 5
Grand Ballroom Salon A	
Grand Ballroom Salon B	
Grand Ballroom Salon C	
Grand Ballroom Salon D	
Grand Ballroom Salon E	
Grand Ballroom Salon F	
Grand Ballroom Salon G	
Grand Ballroom Salon H	
Grand Ballroom Salon I	
Grand Ballroom Salon J	
Grand Ballroom Salon K	
Grand Ballroom Salon L (Guest Hospitality/Lounge)	
501	
502	
Liberty Ballroom Salon A	
Liberty Ballroom Salon B	
Liberty Ballroom Salon C	
Independence Ballroom Salon I	
Independence Ballroom Salon II	
Independence Ballroom Salon III	

Exhibiting Sponsors

ACI would like to thank all exhibiting sponsors for their participation in and support of the ACI Concrete Convention. To learn more about each of these exhibitors, stop by their booth or visit the convention app.

Exhibit Hours—Franklin Hall

Sunday – Tuesday 8:00 am – 5:00 pm

Arcosa Lightweight www.arcosalightweight.com	306	MarMac Manufacturing Co. www.marmac.com	200
Baker Construction www.bakerconcrete.com	102 & 103	Master Builders Solutions www.master-builders-solutions.com/en-us	301
Cervenka Consulting www.cervenka.cz	700	NEU: An ACI Center of Excellence for Caron-Neutral Concrete www.neuconcrete.org	505
Chimica Edile USA www.ceusa.cc	703	NEx: An ACI Center of Excellence for Nonmetallic Building Materials www.nonmetallic.org	704
Chryso www.chrysoinc.com	400 & 401	nVent Lenton www.nvent.com/en-us/lenton	705
CMEC, Inc. www.CMEC.org	506	PA Aggregates and Concrete Association www.pacaweb.org	305
Concrete Sealants, Inc. www.conseal.com	403	Parsicon Builders www.greekrep.com	304
CONTROLS INC. www.controls-group.com	604	Penetron USA www.penetron.com	201
Cortec Corporation www.cortecvci.com	203	PRO: An ACI Center of Excellence for Advancing Productivity www.concreteproductivity.org	702
ECS Mid-Atlantic, LLC www.ecslimited.com	502	PS=0 https://www.pourstrip0.com/	504
The Euclid Chemical Company www.euclidchemical.com	302	Screening Eagle USA, Inc. www.screeningeagle.com	600
FPrimeC Solutions Inc. www.fprimec.com	206	Silica Fume Association www.silicafume.org	605
FullForce Solutions https://fullforcesolutions.us/	100	Simpson Strong-Tie Company, Inc. www.strongtie.com	602
Germann Instruments, Inc. www.germanninstruments.com	503	Splice Sleeve North America, Inc. www.splicesleeve.com	303
Heidelberg Materials www.heidelbergmaterials.us	300	Structural Technologies www.structuraltechnologies.com	402
Humboldt Mfg Co. www.humboldtmgf.com	500	TOKUSEN U.S.A. Inc. www.tokusenusa.com	105
Hycrete Inc. www.hycrete.com	205	Universal Matter Inc. www.universalmatter.com	701
Jordahl USA Inc. www.jordahlusa.com	207	Vector Corrosion Technologies, Inc. www.vector-corrosion.com	501
JSW Stud Rails www.jobstestud.com	603	WSP USA Environment & Infrastructure Inc. www.wsp.com/en.us	104
Lyten www.lyten.com	601	Xypex www.xypex.com	101
M.A. Industries, Inc. www.maind.com	202		
Mapei Corporation www.mapei.com/us/en-us/home-page	106		

Exhibit Hall Floor Plan

Franklin Hall | Level 4

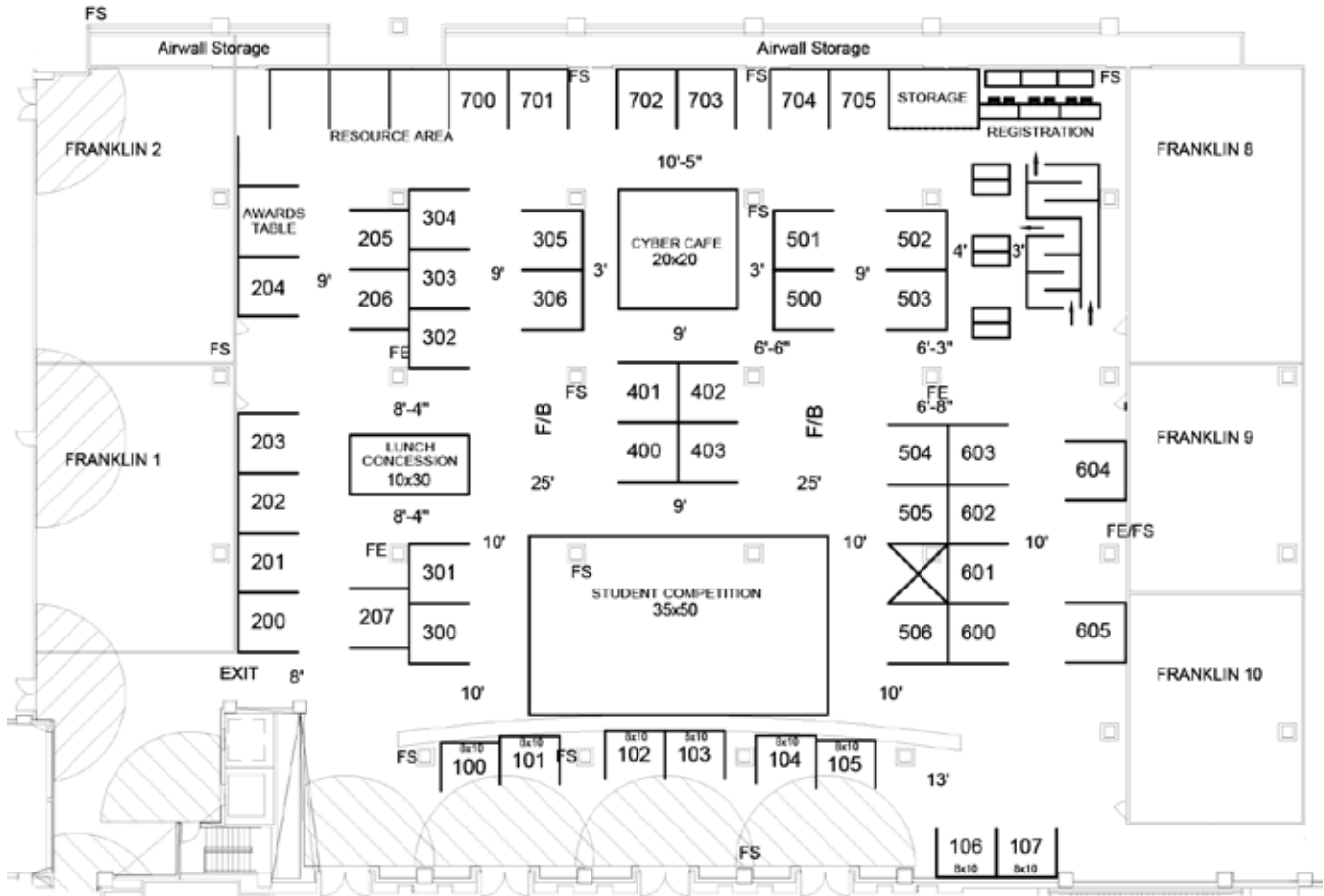


Exhibit Hall Floor Plan

Virtual Sponsor Demonstrations

Learn about the products and services offered by our exhibiting sponsors during the virtual sponsor demonstrations.

To view the schedule, please visit the convention app.

Daily Program

For detailed program information and program changes, download the convention app.
 ✓= Separate fee required ★ = Guest-only event

Saturday, November 2, 2024	
8:00 am – 9:00 pm	
Committee Meetings	See numeric or convention app for detailed list
2:00 PM – 6:00 PM	
ACI Registration	Franklin Hall
ACI Cyber Café & Meeting Spot	Franklin Hall
Afternoon Soda Break	Franklin Hall
Speaker Ready Room	Registration Desk I – 5th Floor
Sunday, November 3, 2024	
5:00 am and 6:00 am	
Run/Walk Meet-Up	Depart Philadelphia Marriott Downtown Lobby
7:00 am – 10:00 am	
*Guest Hospitality	Grand BR Salon L & K
Coffee Break	Franklin Hall
7:00 am – 5:45 pm	
Committee Meetings	See numeric or convention app for detailed list
7:00 am – 6:00 pm	
Speaker Ready Room	Registration Desk I – 5th Floor
7:30 am – 5:00 pm	
ACI Registration	Franklin Hall
ACI Cyber Café & Meeting Spot	Franklin Hall
8:00 am – 9:00 am	
Convention Orientation Breakfast	Grand BR Salon G
*Guest Overview	Grand BR Salon L & K
8:00 am – 5:00 pm	
Exhibit Hall	Franklin Hall
8:00 am – 10:00 am – Sessions	
Scaling Up 3-D Concrete Printing—Testing, Modeling, and Applications, Part 1 of 2	Grand BR Salon A
Impact of Aggregates' Usage and Gradation Towards Concrete Low-Global-Warming Potential	Grand BR Salon B
Mineral Carbonation Processes and Products	Grand BR Salon C
UHPC—Experiences and Innovations in QA/QC	Grand BR Salon D
9:00 am – 3:00 pm	
Student Competition—Pervious Concrete Cylinder Competition	Franklin Hall
9:00 am – 11:00 am – Session	
ACI International Forum	Liberty Salon B

10:00 am – 11:00 am – Mini Session	
AGC—Decarbonization and Carbon Reporting Playbook	Franklin 9
10:00 am – 4:00 pm	
*Guest Lounge	Grand BR Salon L
10:30 am – 12:30 pm – Sessions	
Scaling Up 3-D Concrete Printing—Testing, Modeling, and Applications, Part 2 of 2	Grand BR Salon A
Onboard Monitoring and Management of Concrete Delivery	Grand BR Salon B
UHPC—New Sustainable Strategies	Grand BR Salon C
Mechanical Performance of 3D-Printed and Architected Cement-Based Materials, Part 1 of 2	Grand BR Salon D
11:00 am – 2:00 pm	
ACI Lunch Concessions	Franklin Hall
11:30 am – 1:30 pm	
✓International Lunch	Liberty Salon C
1:00 pm – 2:00 pm— Mini Session	
Testing and Reliability of Structural Plain Concrete	Franklin 8
1:00 pm – 4:00 pm	
Afternoon Soda Break	Franklin Hall
1:00 pm – 3:00 pm – Sessions	
Strategies and Best Practices for the Review and Checking of Finite Element Models of Concrete Structures to Calibrate, Validate, and Verify (C&V&V) the Reliability of Results	Grand BR Salon B
PRO Strategic Plan and Initiatives Update	Grand BR Salon C
Mechanical Performance of 3D-Printed and Architected Cement-Based Materials, Part 2 of 2	Grand BR Salon D
1:30 pm – 3:30 pm – Session	
International Session: Seawater Concrete and Innovative Ideas for Sustainable Concrete	Grand BR Salon A
2:30 pm – 3:30 pm – Mini Session	
High-Strength Concrete: Impacts of Material Availability in a Changing World	404
3:30 pm – 4:30 pm – Mini Session	
Concrete's Role in the Cradle of History	Franklin 10

Daily Program

For detailed program information and program changes, download the convention app.
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3:30 pm – 5:30 pm – Sessions	
Fiber-Reinforced Concrete—A Sustainable Solution	Grand BR Salon A
Drones and High-Resolution Tools in Bridge Evaluation and Condition Assessment	Grand BR Salon B
Impact of Buy Clean and Low-Carbon Policies on the Sustainability of Concrete	Grand BR Salon C
Real-World Uses of Alternative Cements	Grand BR Salon D
4:00 pm – 5:00 pm	
ACI Student Forum	Grand BR Salon G
5:45 pm – 7:00 pm	
Opening Session and Keynote Presentation	Grand BR Salon E & F
7:00 pm – 8:00 pm	
Opening Reception	Franklin Hall
8:00 pm – 10:00 pm	
Hot Topic Session: Here Come EPDs - Are You Prepared?	Grand BR Salon A
8:30 pm – 10:00 pm	
Student and Young Professional Networking Event	Grand BR Salon K & L
Monday, November 4, 2024	
5:00 am and 6:00 am	
Run/Walk Meet-Up	Depart Philadelphia Marriott Downtown Lobby
6:30 am – 8:00 am	
Workshop for Technical Committee Chairs (<i>by invitation only</i>)	Grand BR Salon E & F
7:00 am – 8:30 am	
Professional Development Breakfast	414-415
7:00 am – 10:00 am	
*Guest Hospitality	Grand BR Salon L & K
Coffee Break	Franklin Hall
7:00 am – 6:00 pm	
Speaker Ready Room	Registration Desk I – 5th Floor
7:00 am – 7:00 pm	
Committee Meetings	See numeric or convention app for detailed list
7:30 am – 9:00 am	
Chapter Officer Business & Breakfast (<i>closed event</i>)	411-412
7:30 am – 5:00 pm	
ACI Registration	Franklin Hall
ACI Cyber Café & Meeting Spot	Franklin Hall
8:00 am – 8:30 am	
Coffee at Meeting Spot for first-time attendees	

8:00 am – 5:00 pm	
Exhibit Hall	Franklin Hall
8:30 am – 10:30 am – Sessions	
Lower-Carbon Concrete – Getting It Right from the Start	Grand BR Salon A
Research in Progress, Part 1 of 2	Grand BR Salon B
How Young Professionals Learn Constructability in the Real World	Grand BR Salon C
How Lightweight Aggregate and Concrete Can Reduce Global Warming Potential and Increase Sustainability of Concrete, Part 1 of 2	Grand BR Salon D
9:00 am – 10:00 am – Mini Sessions	
Overview of ACI PRC-546.3-23, Guide to Materials Selection for Concrete Repair, and ACI PRC-546-23, Guide to Concrete Repair	Franklin 1
Overdesign of Concrete Mixtures	Grand BR Salon G
10:00 am – 4:00 pm	
*Guest Lounge	Grand BR Salon L
10:30 am – 11:30 am	
Student Awards Program	Grand BR Salon E & F
11:00 am – 2:00 pm	
ACI Lunch Concessions	Franklin Hall
11:00 am – 1:00 pm – Sessions	
Introduction to the UHPC Certificate Program: Fresh and Hardened Properties	Grand BR Salon A
Research in Progress, Part 2 of 2	Grand BR Salon B
Demonstrating Low-Carbon Concrete in Pavement Applications	Grand BR Salon C
How Lightweight Aggregate and Concrete Can Reduce Global Warming Potential and Increase Sustainability of Concrete, Part 2 of 2	Grand BR Salon D
1:00 pm – 3:00 pm	
Women in Concrete organized by Chryso	Liberty Salon A
1:00 pm – 4:00 pm	
Afternoon Soda Break	Franklin Hall
1:30 pm – 2:00 pm	
Sodas at Meeting Spot for first-time attendees	Franklin Hall

Daily Program

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1:30 pm – 3:30 pm – Sessions	
Concrete Design 201—Design of Fiber-Reinforced Concrete Mixtures	Grand BR Salon A
Serviceability and Performance Evaluation of Concrete Bridges and Structures: Analysis, Design, and Construction, Part 1 of 2	Grand BR Salon B
Fundamentals and Details of Welded-Wire Reinforcement in Structural Concrete	Grand BR Salon C
Evaluation of Segmental Bridges, Part 1 of 2	Grand BR Salon D
3:00 pm – 4:00 pm – Mini Sessions	
Deflection of Structures—Advancements in Methods and Reflections in Application	401
Seismic Retrofitting of Reinforced Concrete Elements	404
3:00 pm – 5:00 pm	
Beer Garden – Sponsored by WJE (while supplies last)	Franklin Hall
4:00 pm – 6:00 pm – Sessions	
Introduction to the Revised ACI 336.1 Specification for Drilled Pier Construction	Grand BR Salon A
Serviceability and Performance Evaluation of Concrete Bridges and Structures: Analysis, Design, and Construction, Part 2 of 2	Grand BR Salon B
Chill Out! Reduce Operational Energy and Carbon with Thermal Mass	Grand BR Salon C
Evaluation of Segmental Bridges, Part 2 of 2	Grand BR Salon D
4:30 pm – 6:00 pm	
Women in ACI Reception	Liberty Salon A
6:00 pm – 10:00 pm	
✓ 2024 ACI Excellence in Concrete Construction Awards Gala	Grand BR Salon E & F
6:30 pm – 8:30 pm – Session	
ACI 123 Forum: Electrical Characterization Methods – Legit or Just “Shock Value”	Grand BR Salon A

Tuesday, November 5, 2024	
5:00 am and 6:00 am	
Run/Walk Meet-Up	Depart Philadelphia Marriott Downtown Lobby
7:00 am – 10:00 am	
*Guest Hospitality	Grand BR Salon L
Coffee Break	Franklin Hall
7:00 am – 6:00 pm	
Speaker Ready Room	Registration Desk I – 5th Floor
Committee Meetings	See numeric or convention app for detailed list
7:30 am – 5:00 pm	
ACI Registration	Franklin Hall
ACI Cyber Café & Meeting Spot	Franklin Hall
8:00 am – 8:30 am	
Coffee at Meeting Spot for first-time attendees	Franklin Hall
8:00 am – 9:00 am – Mini Session	
Advancements in Pervious Concrete	414-415
8:00 am – 5:00 pm	
Exhibit Hall	Franklin Hall
8:30 am – 9:30 am – Mini Session	
NRMCA 100 Introduction and Overview	Independence Salon I
8:30 am – 10:30 am – Sessions	
Innovation Day: AI Odyssey Session—Building Smarter: Leveraging AI to Engineer Concrete Innovations, Part 1 of 2	Grand BR Salon A
Destiny of Concrete—Rules and Regulations	Grand BR Salon B
Advancements in Anchoring to Concrete Construction, Part 1 of 4	Grand BR Salon C
ACI 132—Responsibility in Concrete Rehabilitation Construction Guide (ACI PRC-132.2) Technical Session – Panel Discussion	Grand BR Salon D
9:00 am – 12:00 pm	
NEx Workshop Part 1	402-403
10:00 am – 4:00 pm	
*Guest Lounge	Grand BR Salon L
11:00 am – 2:00 pm	
ACI Lunch Concessions	Franklin Hall

Daily Program

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11:00 am – 12:00 pm – Mini Sessions	
Impact of Aggregates' Usage and Gradation Towards Concrete Low-Global-Warming Potential	303
Revolutionizing RCC Pavements: Design Parameters, Construction Techniques, and Sustainable Advantages	414-415
11:00 am – 1:00 pm – Sessions	
Paper Awards Presentation Session: Published in 2023	Grand BR Salon A
Excellence in Concrete Construction Awards—Project Winner Presentation	Grand BR Salon B
Advancements in Anchoring to Concrete Construction, Part 2 of 4	Grand BR Salon C
Early-Age Hydration of Low-Carbon Cements, Part 1 of 2	Grand BR Salon D
11:30 am – 1:30 pm	
✓Innovation Day: AI Odyssey Lunch	Liberty Salon C
12:00 pm – 5:00 pm	
NEx Workshop Part 2	402-403
1:00 pm – 2:00 pm – Mini Session	
Seismic Research Presentations by Younger Members	Franklin 2
1:00 pm – 4:00 pm	
Afternoon Soda Break	Franklin Hall
1:30 pm – 2:00 pm	
Sodas at Meeting Spot for first-time attendees	Franklin Hall
1:30 pm – 3:30 pm – Sessions	
Innovation Day: AI Odyssey Session—Building Smarter: Leveraging AI to Engineer Concrete Innovations, Part 2 of 2	Grand BR Salon A
Open Topic Session, Part 1 of 2	Grand BR Salon B
Advancements in Anchoring to Concrete Construction, Part 3 of 4	Grand BR Salon C
Early-Age Hydration of Low-Carbon Cements, Part 2 of 2	Grand BR Salon D
1:30 pm – 4:30 pm	
✓Technical tour of Aero Aggregates North Americas manufacturing plan	Depart Hotel Lobby
4:00 pm – 6:00 pm – Sessions	
Sustainable Shells Now and in the Future	Grand BR Salon A
Open Topic Session, Part 2 of 2	Grand BR Salon B
Advancements in Anchoring to Concrete Construction, Part 4 of 4	Grand BR Salon C

5:00 pm – 6:00 pm	
Faculty Network Reception	Liberty Salon C
6:30 pm – 8:00 pm	
Concrete Mixer	Grand BR Salon E & F
Wednesday, November 6, 2024	
5:00 am and 6:00 am	
Run/Walk Meet-Up	Depart Philadelphia Marriott Downtown Lobby
7:00 am – 10:00 am	
*Guest Hospitality	Grand BR Salon L
Coffee Break	Franklin Hall
7:00 am – 11:00 am	
Speaker Ready Room	Registration Desk I – 5th Floor
8:00 am – 12:00 pm	
ACI Registration	Franklin Hall
8:00 am – 2:00 pm	
ACI Cyber Café & Meeting Spot	Franklin Hall
8:00 am – 6:00 pm	
Committee Meetings	See numeric or convention app for detailed list
8:30 am – 10:30 am – Sessions	
Decoupling of Concrete Production from Embodied Carbon Emissions through Nanotechnology, Part 1 of 2	Grand BR Salon A
Enhancing Construction Productivity through Workability	Grand BR Salon C
10:00 am – 4:00 pm	
*Guest Lounge	Grand BR Salon L
11:00 am – 1:00 pm – Sessions	
Decoupling of Concrete Production from Embodied Carbon Emissions through Nanotechnology, Part 2 of 2	Grand BR Salon A
Fatigue Performance of Fiber-Reinforced Concrete (FRC)	Grand BR Salon B
Sustainability of Recycled Aggregate Incorporation in Cementitious Composites	Grand BR Salon C
1:00 pm – 5:00 pm	
Board of Direction	Liberty Salon A - Headhouse Tower
6:30 pm – 8:00 pm	
President's Reception 6:25 pm – 6:30 pm – Doors Open 6:30 pm – 6:45 pm – Awards Presentation 6:45 pm – 8:00 pm – Reception/ Food/Drink	Grand BR Salon E & F

SAVE THE DATE



MARCH 30 – APRIL 2, 2025
SHERATON CENTRE TORONTO
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 **CONCRETE
CONVENTION**



THE WORLD'S GATHERING PLACE FOR ADVANCING CONCRETE

Numerical Committee Meeting Listing

For detailed program information and program changes, download the Convention App.

Code	Committee	Day	Time	Room Name
ACIFdn	ACI Foundation Board of Trustees	Wed	8:00 am – 10:30 am	406
BOD	Board of Direction	Wed	1:00 pm – 5:00 pm	Liberty Ballroom Salon A
C601-E	Concrete Construction Sustainability Assessor	Tue	7:30 am – 8:30 am	501
C610	Field Technician Certification	Mon	8:00 am – 10:00 am	Grand Ballroom Salon H
C612	Self-Consolidating Concrete Technician Certification	Mon	11:30 am – 1:00 pm	301
C620	Laboratory Technician Certification	Tue	8:30 am – 10:00 am	Liberty Ballroom Salon A
C621	Cement Tester Certification	Tue	10:30 am – 12:00 pm	306
C630	Construction Inspector Certification	Tue	10:00 am – 11:00 am	302
C631	Concrete Transportation Construction Inspector Certification	Tue	11:00 am – 12:00 pm	302
C640	Craftsman Certification	Sun	12:00 pm – 2:00 pm	310
C650	Tilt-Up Constructor Certification	Sun	4:00 pm – 5:30 pm	303
C660	Shotcreter Certification	Sun	9:30 am – 10:30 am	302
C661	Shotcrete Inspector Certification	Sun	10:30 am – 11:30 am	302
C670	Masonry Technician Certification	Mon	3:00 pm – 4:00 pm	306
C680	Adhesive Anchor Installer Certification	Sun	10:00 am – 12:00 pm	402 & 403
C681	Concrete Anchor Installation Inspector Certification	Mon	4:30 pm – 5:30 pm	405
C690	Concrete Quality Technical Manager Certification	Mon	10:30 am – 11:30 am	307
C691	Nondestructive Concrete Specialist Certification	Mon	1:00 pm – 3:00 pm	306
CAC	Chapter Activities Committee	Mon	2:00 pm – 4:00 pm	414 & 415
CIC	ACI Foundation Concrete Innovation Council	Mon	9:00 am – 11:30 am	414 & 415
CLC	Construction Liaison Committee	Sun	8:00 am – 10:30 am	407
CPC	Certification Programs Committee	Tue	2:00 pm – 5:00 pm	Independence Ballroom Salon II
CRC	ACI Foundation Concrete Research Council	Tue	11:00 am – 12:30 pm	Independence Ballroom Salon II
CSAO	Codes and Standards Advocacy and Outreach	Mon	3:30 pm – 5:30 pm	501
E701	Materials for Concrete Construction	Sun	9:00 am – 10:30 am	308
E702	Designing Concrete Structures	Mon	9:00 am – 11:00 am	Grand Ballroom Salon G
E703	Concrete Construction Practices	Mon	4:00 pm – 6:00 pm	306
E706	Concrete Repair Education	Sun	8:00 am – 9:00 am	Conference Suite I
E707	Specification Education	Tue	11:00 am – 12:30 pm	406
E710	ACI University Programs	Sun	11:30 am – 12:30 pm	404
E905	Training Programs	Sun	9:00 am – 10:00 am	Conference Suite III
EAC	Educational Activities Committee	Tue	8:00 am – 10:30 am	306
FAC	New FAC Members Orientation	Mon	10:00 am – 11:00 am	Independence Ballroom Salon III
HTC	Hot Topics Committee	Sun	3:00 pm – 4:00 pm	Conference Suite I
IAC	International Advisory Committee	Tue	10:30 am – 12:30 pm	411 & 412
IC-Conf	International Conferences/Conventions	Mon	9:00 am – 10:00 am	405
Intl-Cert	International Certification	Sun	2:00 pm – 5:00 pm	406
IPAC	International Project Awards Committee	Tue	12:30 pm – 1:30 pm	304
MEMC	Membership Committee	Mon	9:30 am – 10:30 am	Liberty Ballroom Salon B
S801	Student Competitions	Sun	7:30 am – 9:00 am	Liberty Ballroom Salon A
S802	Teaching Methods and Educational Materials	Mon	8:30 am – 10:00 am	Franklin Hall 2

Numerical Committee Meeting Listing

For detailed program information and program changes, download the Convention App.

Code	Committee	Day	Time	Room Name
S803	Faculty Network Coordinating Committee	Tue	4:00 pm – 5:00 pm	401
S805	Student Leadership Council	Mon	3:00 pm – 4:30 pm	Franklin Hall 2
S806	Young Member Activities	Mon	1:30 pm – 3:00 pm	Franklin Hall 2
SYPAC	Student and Young Professional Activities Committee	Wed	8:00 am – 10:00 am	414 & 415
TAC	Technical Activities Committee	Sat	9:00 am – 5:00 pm	406
TCSC	TAC Construction Standards Subcommittee	Wed	8:00 am – 10:00 am	405
TRRC	TAC Repair and Rehabilitation Subcommittee	Tue	7:00 am – 8:30 am	401
93-11	ITG-11 Statistical Techniques for Assessment of Existing Concrete Structures	Mon	12:30 pm – 1:30 pm	406
93-12	ITG-12 Code Requirements Construction of Additively Constructed Walls	Sun	2:00 pm – 5:00 pm	502
117	Tolerances (Joint ACI-ASCC)	Tue	8:00 am – 12:00 pm	Grand Ballroom Salons I & J
117-A	Editorial and General Requirements	Mon	2:00 pm – 6:00 pm	301
117-I	Exterior Pavements and Sidewalks	Mon	1:00 pm – 4:00 pm	305
117-L	Laser Scanning	Tue	1:30 pm – 3:00 pm	302
117-N	Tolerance Data	Mon	1:00 pm – 2:00 pm	404
120	History of Concrete	Sun	3:30 pm – 5:30 pm	Franklin Hall 10
121	Quality Assurance Systems for Concrete	Mon	10:00 am – 12:00 pm	310
122	Energy Efficiency of Concrete and Masonry Systems (Joint ACI-TMS)	Mon	1:00 pm – 3:30 pm	309
123	Research and Current Developments	Sun	4:00 pm – 5:30 pm	402 & 403
124	Concrete Aesthetics	Mon	12:30 pm – 1:30 pm	Conference Suite III
130	Sustainability of Concrete	Mon	2:00 pm – 5:00 pm	Franklin Hall 9
130-A	Materials	Mon	8:30 am – 11:00 am	401
130-G	Education	Sun	12:00 pm – 2:00 pm	406
130-H	Climate Change Impacts on the Sustainability of Concrete	Mon	8:00 am – 10:00 am	Liberty Ballroom Salon C
131	Building Information Modeling of Concrete Structures	Sat	3:00 pm – 5:00 pm	404
131	Building Information Modeling of Concrete Structures	Sun	10:00 am – 12:00 pm	Franklin Hall 1
132	Responsibility in Concrete Construction	Sun	2:00 pm – 4:00 pm	402 & 403
133	Disaster Reconnaissance	Sun	3:00 pm – 5:00 pm	305
134	Concrete Constructability	Tue	3:00 pm – 6:00 pm	Liberty Ballroom Salon A
135	Machine Learning-Informed Construction and Design	Mon	10:00 am – 11:30 am	Franklin Hall 2
201	Durability of Concrete	Tue	8:00 am – 11:00 am	Grand Ballroom Salon G
201-H	Aggregate Reactions	Sun	1:00 pm – 3:00 pm	Grand Ballroom Salon I
201-I	Corrosion of Metals in Concrete	Sun	9:00 am – 10:30 am	Independence Ballroom Salon II
201-J	Chemical Attack on Concrete	Sun	11:00 am – 1:00 pm	304
201-K	Biogenic Attack	Sun	2:00 pm – 4:00 pm	304
207	Mass Concrete	Mon	10:00 am – 1:00 pm	Liberty Ballroom Salon C
207-A	Mass Concrete-RCC In Dams	Sun	9:30 am – 11:30 am	406
209	Creep and Shrinkage in Concrete	Mon	10:00 am – 11:30 am	302
209-C & 209-D	Models Applicability and Uncertainty/ Numerical Methods and 3D Analyses	Sun	5:00 pm – 5:45 pm	Conference Suite I
211	Proportioning Concrete Mixtures	Wed	8:00 am – 10:00 am	411 & 412
211-A	Proportioning-Editorial	Tue	10:00 am – 11:30 am	Conference Suite III

Numerical Committee Meeting Listing

For detailed program information and program changes, download the Convention App.

Code	Committee	Day	Time	Room Name
211-E	Proportioning-Evaluation	Tue	12:30 pm – 2:00 pm	Conference Suite III
211-F	Proportioning-Submittal	Tue	2:00 pm – 3:00 pm	Conference Suite III
211-J	Appendix 3 - Laboratory Test	Tue	9:00 am – 10:00 am	Conference Suite III
211-M	Aggregate Packing Model	Mon	8:00 am – 9:00 am	404
211-P	Guide for Selecting Proportions for Pumpable Concrete	Mon	3:00 pm – 4:30 pm	Conference Suite I
211-TG2	Developing & Using a Three Point Curve	Mon	11:30 am – 12:30 pm	307
212	Chemical Admixtures	Mon	2:00 pm – 5:00 pm	Liberty Ballroom Salon B
213	Lightweight Aggregate and Concrete	Tue	1:30 pm – 3:30 pm	Franklin Hall 9
213-TG1	Lightweight - Editorial Task Group	Tue	11:00 am – 12:00 pm	Conference Suite I
214	Evaluation of Results of Tests Used to Determine the Strength of Concrete	Mon	3:30 pm – 5:00 pm	408 & 409
214-A	Document Preparation	Mon	1:30 pm – 2:30 pm	Conference Suite III
215	Fatigue of Concrete	Sun	12:30 pm – 2:30 pm	Franklin Hall 9
216	Fire Resistance and Fire Protection of Structures (Joint ACI-TMS)	Mon	10:00 am – 12:00 pm	Independence Ballroom Salon II
216-A	Rational Design	Sun	12:00 pm – 2:00 pm	301
216-TG2	Fire-Induced Spalling Task Group	Mon	8:00 am – 10:00 am	Independence Ballroom Salon II
221	Aggregates	Tue	11:00 am – 1:30 pm	303
222	Corrosion of Metals in Concrete	Tue	2:00 pm – 5:00 pm	Grand Ballroom Salon G
222-A	Exposure Classes, Chloride Limits and Design Criteria	Sun	10:30 am – 12:00 pm	408 & 409
223	Shrinkage-Compensating Concrete	Tue	2:00 pm – 5:00 pm	305
224	Cracking	Sun	2:30 pm – 5:30 pm	308
224-A	Design Detailing to Mitigate Cracking	Sun	12:00 pm – 2:00 pm	308
225	Hydraulic Cements	Mon	1:00 pm – 4:00 pm	405
228	Nondestructive Testing of Concrete	Sun	9:30 am – 12:30 pm	Franklin Hall 8
230	Soil Cement	Tue	8:30 am – 10:30 am	Franklin Hall 8
231	Properties of Concrete at Early Ages	Mon	3:30 pm – 4:30 pm	Grand Ballroom Salon I
232	Fly Ash and Bottom Ash in Concrete	Mon	1:00 pm – 4:00 pm	Grand Ballroom Salon H
233	Ground Slag in Concrete	Tue	2:00 pm – 5:00 pm	Independence Ballroom Salon I
234	Silica Fume in Concrete	Tue	2:00 pm – 4:30 pm	307
236	Material Science of Concrete	Mon	4:30 pm – 6:00 pm	Grand Ballroom Salon H
237	Self-Consolidating Concrete	Mon	8:15 am – 11:30 am	Grand Ballroom Salon I
238	Workability of Fresh Concrete	Tue	8:00 am – 10:00 am	304
238-A	Student Workability	Tue	10:00 am – 11:30 am	308
239	Ultra-High-Performance Concrete	Mon	3:30 pm – 6:00 pm	Liberty Ballroom Salon C
239-C	Structural Design on UHPC	Mon	10:30 am – 12:30 pm	Independence Ballroom Salon I
239-D	Materials & Methods of Construction with UHPC	Mon	1:00 pm – 3:00 pm	Grand Ballroom Salon I
239-E	Educational Outreach	Sun	2:00 pm – 4:00 pm	303
239-F	UHPC Sustainability	Tue	8:30 am – 10:00 am	406
239-SC	Steering Committee	Sun	4:00 pm – 5:00 pm	Conference Suite I

Numerical Committee Meeting Listing

For detailed program information and program changes, download the Convention App.

Code	Committee	Day	Time	Room Name
240	Pozzolans	Mon	10:00 am – 1:00 pm	Grand Ballroom Salon H
240-TG2	Document Revision Task Group	Sun	3:00 pm – 5:00 pm	Independence Ballroom Salon II
241	Nanotechnology of Concrete	Sun	4:00 pm – 5:45 pm	Grand Ballroom Salon H
241-A	The Application and Implementation of Nano-Engineered Concrete	Tue	1:00 pm – 3:00 pm	Grand Ballroom Salon K
241-SC	Steering Committee	Sun	11:00 am – 12:00 pm	301
241-TG1	Dispersion of Nanoparticles in Concrete Materials TG	Sun	1:00 pm – 3:00 pm	305
241-TG2	Nanoscale Fiber Reinforced Concrete Task Group	Sun	3:00 pm – 4:00 pm	Grand Ballroom Salon H
242	Alternative Cements	Tue	11:00 am – 2:00 pm	Grand Ballroom Salon G
243	Seawater Concrete	Sun	9:00 am – 11:00 am	303
301	Specifications for Concrete Construction	Sat	1:00 pm – 5:00 pm	Franklin Hall 1
301	Specifications for Concrete Construction	Sun	2:00 pm – 4:30 pm	Franklin Hall 1
301	Specifications for Concrete Construction	Mon	1:00 pm – 5:00 pm	Grand Ballroom Salon J
301-A	General Requirements - Section 1	Sun	8:00 am – 9:30 am	302
301-C	Reinforcement and Reinforcement Supports - Section 3	Sat	4:00 pm – 6:00 pm	405
301-D	Concrete Mixtures - Section 4	Sun	8:00 am – 9:30 am	406
301-E	Handling, Placing, and Constructing - Section 5	Sun	8:00 am – 10:00 am	401
301-E	Handling, Placing, and Constructing - Section 5	Tue	4:00 pm – 6:00 pm	301
301-F	Architectural Concrete - Section 6	Sun	10:00 am – 12:00 pm	309
301-I	Post-Tensioned Concrete - Section 9	Sun	10:00 am – 12:00 pm	Independence Ballroom Salon I
301-J	Shrinkage Compensating Concrete - Section 10	Sun	8:30 am – 10:00 am	404
301-K	Industrial Floor Slabs - Section 11	Sun	10:00 am – 11:30 am	404
301-L	Tilt-Up Construction - Section 12	Sun	7:30 am – 9:00 am	303
301-M	Precast Structural Concrete - Section 13	Sun	10:00 am – 11:00 am	Conference Suite III
301-N	Precast Architectural Concrete - Section 14	Sun	11:00 am – 12:00 pm	Conference Suite III
301-S	Sustainability	Sun	10:00 am – 11:30 am	Franklin Hall 9
301-SC	Steering Committee	Sat	11:30 am – 12:30 pm	404
302	Construction of Concrete Floors	Mon	8:00 am – 12:00 pm	Franklin Hall 8
303	Architectural Cast-in-Place Concrete	Mon	8:30 am – 10:30 am	305
304	Measuring, Mixing, Transporting, and Placing Concrete	Mon	11:30 am – 1:00 pm	Franklin Hall 1
304-F	Measuring/Mixing-Volumetric	Mon	10:30 am – 11:30 am	Conference Suite I
304-G	In-Transit Ready-Mix Concrete Monitoring	Mon	3:30 pm – 5:30 pm	309
305	Hot Weather Concreting	Sun	3:00 pm – 4:00 pm	Franklin Hall 8
306	Cold Weather Concreting	Tue	8:30 am – 11:30 am	Liberty Ballroom Salon B
307	Concrete Chimneys	Mon	3:00 pm – 6:00 pm	302
308	Curing Concrete	Wed	10:00 am – 1:00 pm	408 & 409
308-A	Curing-Guide	Wed	8:00 am – 10:00 am	408 & 409
308-B	Curing-Specifications	Wed	2:00 pm – 4:00 pm	408 & 409
308-C	Guide on Internal Curing of Concrete	Tue	4:00 pm – 5:30 pm	306
308-TG1	Tech Notes Task Group	Mon	2:00 pm – 4:00 pm	303
309	Consolidation of Concrete	Sun	3:00 pm – 5:00 pm	407
310	Decorative Concrete (Joint ACI-ASCC)	Tue	3:00 pm – 5:00 pm	411 & 412

Numerical Committee Meeting Listing

For detailed program information and program changes, download the Convention App.

Code	Committee	Day	Time	Room Name
310-J	Polished Finishes	Tue	10:00 am – 1:00 pm	Liberty Ballroom Salon A
310/308-TG2	310-308 Curing Decorative Concrete Joint Task Group	Tue	1:30 pm – 2:30 pm	Liberty Ballroom Salon A
311	Inspection of Concrete	Tue	2:30 pm – 4:30 pm	406
313	Concrete Bins and Silos	Mon	8:30 am – 5:00 pm	308
314	Simplified Design of Concrete Buildings	Sun	8:30 am – 11:00 am	301
315	Details of Concrete Reinforcement (Joint ACI-CRSI)	Sun	3:00 pm – 5:45 pm	310
318	Structural Concrete Building Code	Wed	8:00 am – 6:00 pm	Grand Ballroom Salon G
318-A	General, Concrete, and Construction	Tue	1:30 pm – 6:00 pm	404
318-B	Anchorage and Reinforcement	Mon	2:30 pm – 4:30 pm	411 & 412
318-B	Anchorage and Reinforcement	Tue	8:00 am – 12:30 pm	Grand Ballroom Salon K
318-C	Safety, Serviceability, and Analysis	Tue	8:00 am – 12:30 pm	408 & 409
318-D	Members	Tue	1:30 pm – 6:00 pm	405
318-E	Section and Member Strength	Tue	7:30 am – 12:30 pm	307
318-F	Foundations	Tue	8:00 am – 12:30 pm	405
318-H	Seismic Provisions	Tue	1:30 pm – 6:00 pm	Liberty Ballroom Salon B
318-J	Joints and Connections	Tue	1:30 pm – 6:00 pm	304
318-L	International Liaison	Sun	12:30 pm – 2:00 pm	502
318-S	318 Spanish Translation	Mon	11:00 am – 12:30 pm	304
318-T	Post-Tensioned Concrete	Tue	8:00 am – 12:30 pm	Independence Ballroom Salon III
318-1P	Precast and Prestressed Concrete	Tue	1:30 pm – 6:00 pm	303
318-1R	Resolution of Anchorage and Development Provisions	Sun	7:00 am – 10:00 am	305
318-1W	Wind Provisions	Mon	1:30 pm – 5:30 pm	304
318-2N	Sustainability	Mon	11:00 am – 1:00 pm	306
319	Precast Structural Concrete Code (Joint ACI-PCI)	Mon	2:00 pm – 5:00 pm	Grand Ballroom Salon K
320	Post-Tensioned Structural Concrete Code (Joint ACI-PTI)	Sun	2:00 pm – 5:45 pm	306
321	Concrete Durability Code	Wed	10:30 am – 1:30 pm	414 & 415
321-TG3	Durability Exposure Categories	Wed	8:00 am – 10:00 am	404
321-TG4	Construction/Quality	Tue	4:00 pm – 5:00 pm	302
322	Concrete Pool and Watershape Code	Sun	12:30 pm – 5:30 pm	Grand Ballroom Salon J
323	Low-Carbon Concrete Code	Tue	11:00 am – 1:00 pm	Franklin Hall 2
325	Concrete Pavements	Tue	2:00 pm – 5:00 pm	Franklin 10
325-A	Pavements-Design	Tue	9:00 am – 10:00 am	308
325-C	Pavements-Prestressed and Precast	Tue	1:00 pm – 2:00 pm	401
327	Roller-Compacted Concrete Pavements	Tue	11:00 am – 1:00 pm	414 & 415
329	Performance Criteria for Ready Mixed Concrete	Wed	10:00 am – 11:30 am	411 & 412
330	Concrete Parking Lots and Site Paving	Wed	8:00 am – 12:00 pm	Liberty Ballroom Salon C
332	Residential Concrete Work	Tue	1:30 pm – 5:00 pm	Grand Ballroom Salons I & J
332-B	Residential Concrete Materials and Placement	Tue	11:00 am – 12:30 pm	301
332-D	Residential Concrete-Footings & Foundation Walls	Tue	12:00 pm – 1:30 pm	302
332-E	Residential Concrete-Above Grade Walls	Tue	10:00 am – 12:00 pm	310

Numerical Committee Meeting Listing

For detailed program information and program changes, download the Convention App.

Code	Committee	Day	Time	Room Name
332-F	Residential Concrete-Slabs	Tue	9:00 am – 10:30 am	411 & 412
332-G	Guide To Residential Concrete Construction	Mon	10:00 am – 11:30 am	Conference Suite III
332-H	Structural Foundations	Mon	1:30 pm – 3:00 pm	406
334	Concrete Shell Design and Construction (Joint ACI-ASCE)	Mon	5:00 pm – 7:00 pm	414 & 415
336	Footings, Mats and Drilled Piers	Sun	1:00 pm – 5:00 pm	309
341	Performance-Based Seismic Design of Concrete Bridges	Tue	1:00 pm – 5:30 pm	Franklin Hall 2
341-A	Earthquake Resistant Bridges-Columns	Tue	11:00 am – 12:00 pm	304
341-C	Earthquake Resistant Bridges-Retrofit	Tue	10:00 am – 11:00 am	304
341-E	Bridge Codes-Support	Tue	8:00 am – 10:00 am	302
342	Evaluation of Concrete Bridges and Bridge Elements	Sun	8:30 am – 10:30 am	408 & 409
343	Concrete Bridge Design (Joint ACI-ASCE)	Mon	10:00 am – 12:00 pm	404
343-B	Bridge Deck Design	Mon	9:00 am – 10:00 am	404
345	Bridge Construction and Preservation	Sun	1:30 pm – 3:30 pm	302
347	Formwork for Concrete	Sat	2:00 pm – 6:00 pm	Franklin Hall 2
347	Formwork for Concrete	Sun	8:00 am – 12:00 pm	411 & 412
347-TG1	Void Form Methods Task Group	Sun	12:00 pm – 2:00 pm	411 & 412
348	Structural Reliability and Safety	Mon	1:30 pm – 3:00 pm	302
349	Concrete Nuclear Structures	Tue	1:30 pm – 5:00 pm	Grand Ballroom Salon H
349-A & B	Nuclear Structures-Materials/ Nuclear Structures-Design	Mon	1:00 pm – 5:00 pm	402 & 403
349-C	Nuclear Structures-Anchorage	Mon	7:00 am – 10:00 am	302
349/359/370	ACI 349 and ACI 359 and ACI 370 Joint Committee Task Group	Tue	11:00 am – 12:30 pm	Independence Ballroom Salon I
350/350C	Environmental Engineering Concrete Structures/ Environmental Engineering Concrete Structure Code	Wed	8:00 am – 5:00 pm	Liberty Ballroom Salon B
350-D	Design Considerations	Sun	1:30 pm – 5:30 pm	307
350-G & 350-K	Tightness Testing/Containment of Hazardous Materials	Mon	8:00 am – 11:00 am	306
350-J	Education	Tue	1:00 pm – 2:00 pm	Conference Suite I
350-L	Specification	Tue	4:00 pm – 6:00 pm	Conference Suite III
350-SC	Steering	Sun	8:30 am – 10:00 am	402 & 403
350C-A	Safety, Strength & Serviceability	Mon	1:00 pm – 3:00 pm	307
350C-B	Members, Joints & Anchors	Sun	10:00 am – 1:00 pm	305
350C-C	Materials and Durability	Mon	8:30 am – 12:00 pm	402 & 403
350C-D & 350-H	Code Editorial/Editorial	Tue	12:30 pm – 2:00 pm	301
350C-E	Precast-Prestress	Mon	3:00 pm – 5:00 pm	307
350C-F	Seismic	Tue	8:30 am – 12:00 pm	501
350C-TG1	Alternate Design Method Task Group	Sun	4:00 pm – 5:30 pm	401
351	Foundations for Equipment and Machinery	Tue	11:30 am – 1:00 pm	Franklin Hall 10
351-A	Foundations for Static Equipment	Tue	10:00 am – 11:30 am	Franklin Hall 10
351-B	Grouting between Foundations & Equipment Bases	Tue	8:00 am – 10:00 am	Franklin Hall 10
351-C	Equipment Foundations - Dynamic Foundations	Mon	4:30 pm – 6:30 pm	305
352	Joints and Connections in Monolithic Concrete Structures (Joint ACI-ASCE)	Sun	2:00 pm – 5:00 pm	301
355	Anchorage to Concrete	Sun	1:00 pm – 5:00 pm	Franklin Hall 2
357	Offshore and Marine Concrete Structures	Tue	8:00 am – 11:00 am	Conference Suite I
357-TG2	ACI 357.2R-10 Revision	Mon	1:00 pm – 2:00 pm	310
359	Concrete Containments for Nuclear Reactors (Joint ACI-ASME)	Wed	9:00 am – 12:00 pm	402 & 403

Numerical Committee Meeting Listing

For detailed program information and program changes, download the Convention App.

Code	Committee	Day	Time	Room Name
359	Concrete Containments for Nuclear Reactors (Joint ACI-ASME)	Wed	12:00 pm – 1:00 pm	402 & 403
359-A & 359-B	Working Group on Design/Working Group on Materials, Fabrication & Examination	Tue	7:30 am – 11:00 am	404
359-C	Working Group on Modernization	Wed	7:00 am – 9:00 am	402 & 403
360	Design of Slabs on Ground	Mon	1:00 pm – 5:00 pm	Franklin Hall 8
362	Parking Structures	Mon	12:30 pm – 4:30 pm	Independence Ballroom Salon II
362-A	Updating Guide For Structural Maintenance of Parking Structures	Sun	1:00 pm – 4:00 pm	Independence Ballroom Salon I
363	High-Strength Concrete	Sun	2:30 pm – 5:00 pm	404
364	Rehabilitation	Mon	3:00 pm – 6:00 pm	Franklin Hall 10
364-A & 364-C	Editorial Subcommittee/TechNote Subcommittee	Mon	1:00 pm – 2:30 pm	408 & 409
364-TG2	Guide to Rehabilitation of Historic Concrete	Mon	11:00 am – 12:00 pm	303
365	Service Life Prediction	Mon	9:00 am – 12:00 pm	Franklin Hall 9
369	Seismic Repair and Rehabilitation	Mon	2:00 pm – 6:00 pm	Independence Ballroom Salon I
369 & 369S	Seismic Repair and Rehabilitation/Seismic Evaluation and Retrofit Code	Sun	3:00 pm – 5:30 pm	414 & 415
369-A	General Provisions, Frames, and Diaphragms	Sun	8:00 am – 10:00 am	414 & 415
369-D	Walls and Foundations	Sun	10:00 am – 12:00 pm	414 & 415
369-F	Retrofit	Sun	1:00 pm – 3:00 pm	414 & 415
370	Blast and Impact Load Effects	Sun	3:00 pm – 5:00 pm	411 & 412
372	Tanks Wrapped with Wire or Strand	Tue	2:00 pm – 4:00 pm	301
374	Performance-Based Seismic Design of Concrete Buildings	Mon	8:30 am – 12:00 pm	Grand Ballroom Salon J
374-A	Functional Recovery	Sun	11:00 am – 1:00 pm	303
375	Performance-Based Design of Concrete Buildings for Wind Loads	Mon	10:30 am – 12:30 pm	305
376	Concrete Structures for Refrigerated Liquefied Gas Containment	Sun	9:00 am – 12:00 pm	405
376-01	Steering Subcommittee	Sun	8:00 am – 9:00 am	405
376S	Structural Concrete Code for Refrigerated Liquefied Gases	Sun	2:00 pm – 5:00 pm	405
378	Concrete Wind Turbine Towers	Mon	8:30 am – 10:00 am	303
380	Structural Plain Concrete	Sun	1:00 pm – 3:00 pm	Franklin Hall 8
408	Bond and Development of Steel Reinforcement (Joint ACI-ASCE)	Sun	9:00 am – 11:30 am	Franklin Hall 2
408-A	Mechanical Reinforcing Bar Anchorages and Splices	Sun	1:30 pm – 3:30 pm	Franklin Hall 10
421	Design of Reinforced Concrete Slabs (Joint ACI-ASCE)	Sun	10:00 am – 1:00 pm	501
423	Prestressed Concrete (Joint ACI-ASCE)	Mon	8:30 am – 12:30 pm	Franklin Hall 10
423-E	Prestress Losses	Sun	10:00 am – 12:00 pm	401
423-G	Specification for Unbonded Single-Strand Tendon Materials	Mon	2:00 pm – 6:00 pm	310
435	Deflection of Concrete Building Structures	Mon	3:00 pm – 6:00 pm	401
437	Strength Evaluation of Existing Concrete Structures	Mon	10:30 am – 12:00 pm	Liberty Ballroom Salon B
437-A	Test Database	Mon	8:30 am – 10:00 am	309
437S	Load Testing of Concrete Structures Code	Mon	12:00 pm – 1:30 pm	Liberty Ballroom Salon B
439	Steel Reinforcement	Mon	8:00 am – 10:30 am	Independence Ballroom Salon I

Numerical Committee Meeting Listing

For detailed program information and program changes, download the Convention App.

Code	Committee	Day	Time	Room Name
439-A	Steel Reinforcement-Wire	Sun	3:30 pm – 5:00 pm	302
440	Fiber-Reinforced Polymer Reinforcement	Tue	9:00 am – 12:00 pm	Grand Ballroom Salon H
440-D	Research Development and Applications	Sun	2:30 pm – 5:30 pm	Franklin Hall 9
440-E	FRP-Prof Education	Mon	9:00 am – 10:00 am	Liberty Ballroom Salon A
440-F	FRP-Repair-Strengthening	Mon	1:00 pm – 4:00 pm	Grand Ballroom Salon G
440-G	FRP-Student	Mon	4:00 pm – 5:00 pm	Grand Ballroom Salon G
440-H	FRP-Reinforced Concrete	Mon	10:00 am – 12:30 pm	Liberty Ballroom Salon A
440-I	FRP-Prestressed Concrete	Sun	9:00 am – 11:00 am	Grand Ballroom Salon H
440-J	FRP Stay-in-Place Forms	Sun	12:30 pm – 2:30 pm	Grand Ballroom Salon H
440-L	FRP-Durability	Sun	11:00 am – 12:00 pm	Grand Ballroom Salon H
440C	FRP Reinforced Concrete Building Code	Sun	2:30 pm – 5:30 pm	Independence Ballroom Salon III
440S	Fiber Reinforced Polymer Repair and Rehabilitation of Concrete Code	Tue	1:00 pm – 4:00 pm	Independence Ballroom Salon III
441	Reinforced Concrete Columns (Joint ACI-ASCE)	Mon	2:30 pm – 5:00 pm	404
444	Structural Health Monitoring	Tue	8:00 am – 11:00 am	Franklin Hall 2
445	Shear and Torsion (Joint ACI-ASCE)	Mon	2:00 pm – 6:00 pm	Franklin Hall 1
445-A	Shear & Torsion-Strut & Tie	Sun	9:00 am – 12:00 pm	Franklin Hall 10
445-B	Shear & Torsion-Seismic Shear	Sun	11:00 am – 12:30 pm	407
445-C	Shear & Torsion-Punching Shear	Sun	1:00 pm – 3:00 pm	501
445-F	Interface Shear	Mon	8:00 am – 10:00 am	501
445-TG1	Shear & Torsion-445.3r-23 Task Group	Mon	8:00 am – 11:00 am	406
446	Fracture Mechanics of Concrete (Joint ACI-ASCE)	Mon	8:30 am – 9:30 am	310
447	Finite Element Analysis of Reinforced Concrete Structures (Joint ACI-ASCE)	Mon	11:30 am – 1:30 pm	Franklin Hall 2
506	Shotcreting	Tue	8:30 am – 11:30 am	Franklin Hall 1
506-A	Shotcreting-Evaluation	Mon	10:30 am – 11:30 am	408 & 409
506-B	Shotcreting-Fiber-Reinforced	Mon	11:30 am – 12:30 pm	408 & 409
506-C	Shotcreting-Guide	Mon	8:30 am – 9:30 am	408 & 409
506-E	Shotcreting-Specifications	Mon	9:30 am – 10:30 am	408 & 409
506-F	Shotcreting-Underground	Mon	2:30 pm – 3:30 pm	408 & 409
506-H	Shotcreting-Pools	Sun	11:30 am – 12:30 pm	302
515	Protective Systems for Concrete	Tue	9:00 am – 11:00 am	301
522	Pervious Concrete	Tue	8:00 am – 11:00 am	414 & 415
523	Cellular Concrete	Tue	9:00 am – 11:00 am	Independence Ballroom Salon II
524	Plastering	Mon	8:30 am – 10:00 am	Conference Suite I
533	Precast Panels	Mon	10:00 am – 11:00 am	303
533C	Precast Concrete Tunnel Segments Code	Sun	1:00 pm – 3:00 pm	Independence Ballroom Salon II
543	Concrete Piles	Mon	8:30 am – 11:30 am	301
544	Fiber Reinforced Concrete	Tue	3:30 pm – 5:30 pm	Franklin Hall 8
544-A	FRC-Production & Applications	Mon	12:30 pm – 2:00 pm	414 & 415

Numerical Committee Meeting Listing

For detailed program information and program changes, download the Convention App.

Code	Committee	Day	Time	Room Name
544-B	FRC Education	Sun	4:00 pm – 5:30 pm	Independence Ballroom Salon I
544-C	FRC-Testing	Tue	2:00 pm – 3:30 pm	Franklin Hall 8
544-D	FRC-Structural Uses	Tue	12:00 pm – 1:30 pm	306
544-E	FRC-Emerging Technologies	Mon	4:30 pm – 6:00 pm	Conference Suite III
544-F	FRC-Durability	Tue	10:30 am – 12:00 pm	Franklin Hall 8
544-SC	FRC-Steering Committee	Mon	8:00 am – 9:00 am	Conference Suite III
546	Repair	Mon	9:00 am – 11:30 am	Franklin Hall 1
546-D	Packaged Repair Materials	Sun	10:00 am – 12:00 pm	Independence Ballroom Salon III
548	Polymers and Adhesives for Concrete	Tue	8:30 am – 11:30 am	401
548-A	Polymers-Overlays	Mon	10:00 am – 12:00 pm	309
548-B	Polymers-Adhesives	Mon	3:00 pm – 5:00 pm	Independence Ballroom Salon III
549	Thin Reinforced Cementitious Products and Ferrocement	Sun	11:00 am – 1:00 pm	306
549-K	FRCM/SRG Materials Characteristics	Sun	9:00 am – 11:00 am	306
550	Precast Concrete Structures (Joint ACI-ASCE)	Sun	3:00 pm – 5:00 pm	408 & 409
551	Tilt-Up Concrete Construction	Sun	9:00 am – 12:00 pm	Liberty Ballroom Salon A
552	Cementitious Grouting	Tue	4:00 pm – 5:30 pm	Independence Ballroom Salon III
555	Concrete with Recycled Materials	Mon	5:00 pm – 6:30 pm	Franklin Hall 9
555-C	Development of New Technical Report on Unbound RCA Applications	Mon	3:00 pm – 4:00 pm	406
560	Design and Construction with Insulating Concrete Forms	Tue	8:30 am – 10:30 am	Independence Ballroom Salon I
562	Evaluation, Repair and Rehabilitation of Concrete Structures	Sun	1:00 pm – 4:30 pm	Liberty Ballroom Salon A
562-A	Administration	Sun	10:00 am – 12:00 pm	Grand Ballroom Salon I
562-B	Loads	Sat	1:00 pm – 3:00 pm	402 & 403
562-C	Reliability-Based Evaluation	Sat	3:00 pm – 5:00 pm	402 & 403
562-F	Fire	Sun	10:00 am – 12:00 pm	310
562-G	Repair Design	Sun	8:00 am – 10:00 am	310
562-I	Durability	Sun	10:00 am – 11:00 am	307
562-J	Material	Sun	11:00 am – 1:00 pm	307
562-L	Quality Requirements	Sun	8:00 am – 9:30 am	307
562-SC	Steering Committee	Sun	4:30 pm – 5:30 pm	Grand Ballroom Salon I
563	Specifications for Repair of Structural Concrete in Buildings	Tue	1:00 pm – 5:00 pm	414 & 415
563-H	Architectural/Precast Concrete	Tue	11:00 am – 12:00 pm	404
563-L	Prestressed Concrete	Sun	5:00 pm – 5:45 pm	304
563-N	Protection Systems	Sun	4:00 pm – 5:45 pm	Conference Suite III
564	3-D Printing with Cementitious Materials	Mon	1:00 pm – 3:00 pm	Franklin Hall 10
564-A	Emerging Technology Report	Tue	10:00 am – 12:00 pm	305
564-B	Structural Design and Testing	Mon	8:00 am – 9:30 am	307
564-C	Material Testing and Formulation	Mon	2:00 pm – 3:30 pm	501
564-D	Modeling and Performance Prediction	Sun	4:00 pm – 5:00 pm	501
565	Lunar Concrete	Tue	2:00 pm – 3:00 pm	Franklin Hall 1

Session PDH Tracker

Attend the entire duration of a live session and record the codes given out during the session using the spaces below. 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 convention.**

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Day	Time	Session Title	PDH Code 1	PDH Code 2	PDH Code 3



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