



THE WORLD'S GATHERING PLACE FOR ADVANCING CONCRETE

# PROGRAM BOOK

**APRIL 2-6, 2023**

Hilton San Francisco Union Square,  
San Francisco, CA, USA

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

# Convention Sponsors

Sponsors are listed as of 3/29/2023

## Concrete (\$15,000)



## Cement (\$10,000)



## Reinforcement (\$5,000)



## Admixtures (\$2,500)



## Aggregate (\$1,000)



## Water Sponsor (\$500)

ACI Arizona Chapter  
 ACI Arkansas Chapter  
 ACI Central Texas Chapter  
 ACI Eastern Pennsylvania & Delaware Chapter  
 ACI Greater Miami Valley Chapter  
 ACI Intermountain Chapter

ACI Kansas Chapter  
 ACI Louisiana Chapter  
 ACI Missouri Chapter  
 ACI National Capital Chapter  
 ACI Rocky Mountain Chapter

Visit [www.aciconvention.org](http://www.aciconvention.org) for an updated list of sponsors and exhibiting sponsors.

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# American Concrete Institute Board of Direction

## President

Charles Nmai

## Vice Presidents

Antonio Nanni

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## Directors

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Anthony DeCarlo

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## Past President Board Members

Cary Kopczynski

Jeffrey Coleman

Randall Poston

## Executive Vice President

Ron Burg

# ACI President's Welcome

ACI Members and Guests:



On behalf of myself and ACI, it is a pleasure to welcome you to San Francisco, CA, and the ACI Concrete Convention.

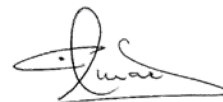
The Convention provides the industry with a professional environment where individuals from across the globe come together to share new ideas and discover innovative ways to use concrete. The Convention offers educational

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 hope you enjoy all that San Francisco has to offer. Thank you for attending the Convention and for your continued involvement in ACI.

Kind regards,



Charles Nmai  
ACI President



# CONV 2023

Download the **\*ALL-NEW\***  
Convention App,  
*powered by Guidebook*

Search "ACI Convention" on  
your Apple or Android device.

Don't forget to delete the previous convention app  
(CrowdCompass) from your mobile device.

# ACI Sustaining Members

|   |
|---|
|    |
| Advanced Concrete Services, Inc.  |
|    |
| American Engineering Testing, Inc.  |
|    |
| American Society of Concrete Contractors  |
|    |
| Anchormen Construction, LLC   |
|    |
| Arcosa Lightweight  |
|  |
| Ash Grove Cement Company  |
|  |
| B&B Concrete of Kansas, LLC   |
|  |
| Baker Concrete Construction, Inc.   |
|  |
| Barrier One, Inc.   |
|  |
| Bauman Landscape & Construction, Inc.   |
|  |
| Bentley Systems, Inc.   |
|  |
| Cantera Concrete Company  |

|   |
|---|
|    |
| Capital Concrete, LLC   |
|    |
| Ceco Concrete Construction, LLC   |
|    |
| CHRYSO Inc.   |
|    |
| Concrete Reinforcing Steel Institute  |
|    |
| Concrete Sealants, Inc.   |
|   |
| Concrete Strategies LLC   |
|  |
| Crete Built, LLC  |
|  |
| CTLGroup  |
|  |
| Curecrete Distribution, Inc.  |
|  |
| Dayton Superior Corporation   |
|  |
| Doka USA Ltd.   |
|  |
| The Euclid Chemical Company   |
|  |
| GCP Applied Technologies Inc.   |

|  |
|--|
|    |
| Hawkins Construction and Flat Work, LLC  |
|    |
| Heidelberg Materials   |
|    |
| Holcim   |
|    |
| Keystone Structural Concrete, LLC  |
|    |
| M. Fikse Company   |
|    |
| Master Builders Solutions US, LLC  |
|   |
| Meier Construction, Inc.   |
|  |
| Metromont Corporation  |
|   |
| Municipal Testing Group  |
|  |
| Municipal Testing Group  |
|  |
| North S.Tarr Concrete Consulting, P.C.   |
|  |
| Oztec Industries, Inc.   |
|  |
| Penetron International Ltd.  |
|   |
| Phoenix Industrial   |
|  |
| R and S Cement   |

|   |
|---|
|    |
| Seretta Construction, Inc.  |
|    |
| Sika Corporation  |
|    |
| Specialty Products Group, Inc.  |
|    |
| Structural Services, Inc.   |
|    |
| Structural Services, Inc.   |
|    |
| Superior Construction Services  |
|  |
| Tekna Chem SpA  |
|  |
| TWC Concrete Services, LLC  |
|  |
| Vault Construction Group, LLC   |
|  |
| Vector Corrosion Technologies   |
|  |
| W. R. Meadows, Inc.   |
|  |
| Xypex Chemical Corporation  |
|  |
| ZTEX Construction Inc.  |

## General Information

For detailed program information and program changes, download the \*ALL-NEW\* Convention App.

### ACI's \*ALL-NEW\* Event Platform & Mobile App

ACI is using Guidebook, an all-new 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. Search "ACI Convention" on your Apple or Android devices to download the \*all-new\* app and don't forget to delete the previous convention app (CrowdCompass) from your mobile device.

### Schedule Changes

Cancellations, additions, and location changes to the convention schedule will be posted daily on a monitor in the exhibit area, as well as in the convention app.

### Exhibit Hall Refreshments—Grand Ballroom A & B

Beverages are available courtesy of ACI during the following hours:

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

### ACI Store—Grand Ballroom A & B

The ACI Store is open during the following hours:

|                  |                    |
|------------------|--------------------|
| Saturday         | 2:00 pm – 6:00 pm  |
| Sunday – Tuesday | 7:30 am – 5:00 pm  |
| Wednesday        | 8:00 am – 12:00 pm |

### 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 Excellence Awards, ACI Foundation, and ACI Resource Center.

### ACI Excellence Awards

Learn more about the ACI Excellence in Concrete Construction Awards, which takes 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 the American Concrete Institute [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. They 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 Resource Centers

ACI Resource Centers provide on-demand regional access to all ACI offerings for inspectors, contractors, designers, technicians, product mfrs. and engineers. With locations in Southern California, Chicago/Midwest and Mid-Atlantic region, we are bringing ACI to you. Offering training for

new-hire onboarding and more, access to all ACI Certification programs, and education programs on popular industry topics, ACI Resource Centers can prepare you for success.

### ACI Cyber Café and Meeting Spot—Grand Ballroom A & B

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 |

### 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](http://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.

### Suitcasing

Attendees or sponsors found to be "suitcasing" (soliciting business in session and committee meeting rooms, aisles, or the booth of another exhibiting sponsor) 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.

### Hilton San Francisco Union Square Dining

#### Cityscape Lounge

Hours: Monday – Thursday, Sunday, 4:30 pm – 12:00 am;  
Friday – Saturday, 4:30 pm – 1:00 am

#### Herb N' Kitchen

Hours: Monday – Thursday, Sunday, 6:30 am – 10:00 pm;  
Friday – Saturday, 6:30 am – 11:00 pm

#### Poached

Hours: Monday – Friday, 6:30 am – 10:30 am;  
Saturday – Sunday, 7:00 am – 11:00 am

Please visit <https://www.hilton.com/en/hotels/sfofhhh-hilton-san-francisco-union-square/dining> to view additional restaurant information.

### 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](http://www.concrete.org/events/policy.aspx).

# General Information

For detailed program information and program changes, download the \*ALL-NEW\* Convention App.

## 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 CEUs.

For attendance certificates:

1. Visit [www.concrete.org](http://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—Executive Boardroom

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 – 2:00 pm |

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 guest events that follow 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—Vista Lounge

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—Vista Lounge

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

### Guest Overview—Vista Lounge

Sunday, April 2, 2023  
8:00 am – 9:00 am  
Acquaint yourself with the week ahead in San Francisco. Learn about the exciting things to do in and around the city.

## ACI Concrete Convention

### Fall 2023 | Boston, MA



Mark your calendars for the ACI Concrete Convention in Boston, MA, October 29 – November 2, 2023, at the Boston Convention Center and Westin Boston Waterfront.

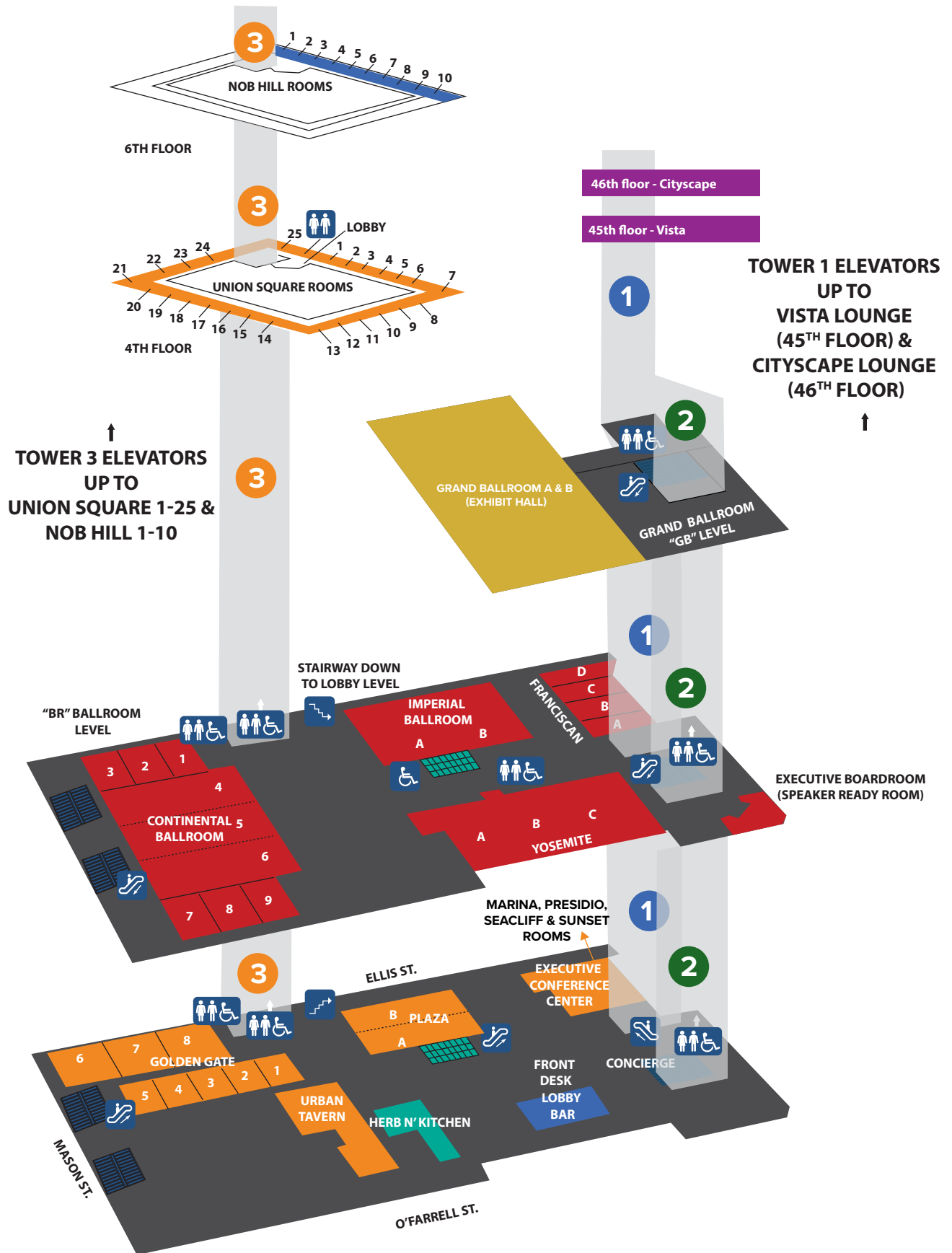
## Social Media

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



# Meeting Space Map

## Hilton San Francisco Union Square





## Where's That Meeting Room?

| Hilton San Francisco Union Square           |  |
|---|--|
| Room Name                                   | Location                                   |
| Golden Gate 1 – 8                           | <b>Lobby Level</b><br>(Tower 1, 2, & 3)    |
| Marina                                      |  |
| Plaza                                       |  |
| Presidio                                    |  |
| Seacliff                                    |  |
| Sunset                                      |  |
| Continental 1 - 9                           | <b>Ballroom Level</b><br>(Tower 1, 2, & 3) |
| Imperial A & B                              |  |
| Franciscan A, B, C, & D                     |  |
| Yosemite A, B, & C                          |  |
| Executive Boardroom<br>(Speaker Ready Room) |  |
| Grand Ballroom A & B<br>(Exhibit Hall)      | <b>Grand Ballroom Level</b><br>(Tower 2)   |
| Union Square 1 – 25                         | <b>4th Floor</b><br>(Tower 3)              |
| Nob Hill 1 – 10                             | <b>6th Floor</b><br>(Tower 3)              |
| Vista Lounge                                | <b>45th Floor</b><br>(Tower 1)             |
| Cityscape Lounge                            | <b>46th Floor</b><br>(Tower 1)             |

# 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 \*ALL-NEW\* convention app.

## Exhibit Hours

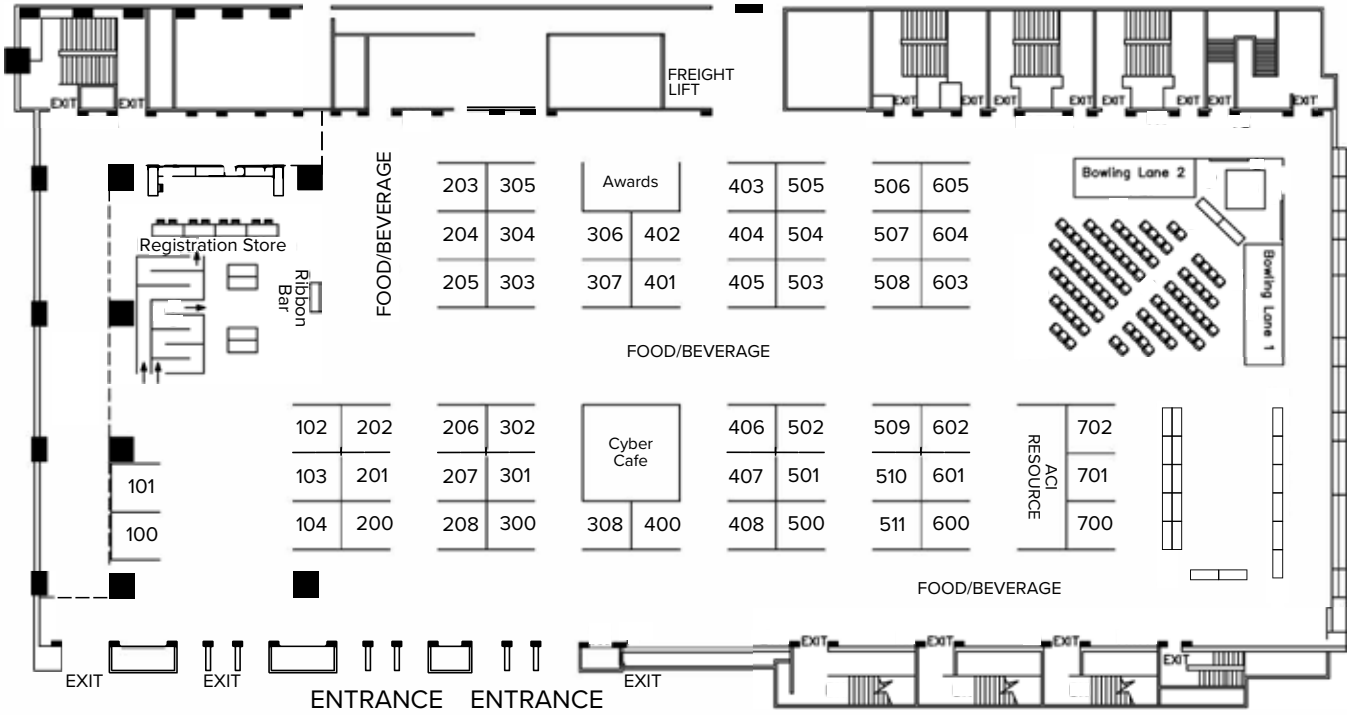
Sunday – Tuesday 8:00 am – 5:00 pm

|  |                |  |            |
|--|----------------|--|------------|
| <b>AICrete</b><br><a href="http://www.aicrete.com">www.aicrete.com</a>   | <b>503</b>     | <b>Heidelberg Materials</b><br><a href="http://www.heidelbergmaterials.us">www.heidelbergmaterials.us</a>                                  | <b>508</b> |
| <b>Arcosa Lightweight</b><br><a href="http://www.arcosalightweight.com">www.arcosalightweight.com</a>                                | <b>401</b>     | <b>Humboldt Mfg Co</b><br><a href="http://www.humboldtmfg.com">www.humboldtmfg.com</a>   | <b>511</b> |
| <b>Baker Concrete</b><br><a href="http://www.bakerconcrete.com">www.bakerconcrete.com</a>  | <b>200/201</b> | <b>Kryton International</b><br><a href="http://www.kryton.com">www.kryton.com</a>  | <b>206</b> |
| <b>Blue Planet Building Panels (BP2)</b><br><a href="http://www.bp2panels.com">www.bp2panels.com</a>                                 | <b>702</b>     | <b>M.A. Industries, Inc.</b><br><a href="http://www.maind.com">www.maind.com</a>   | <b>603</b> |
| <b>Buzzi Unicem</b><br><a href="http://www.buzziunicemusa.com">www.buzziunicemusa.com</a>  | <b>600</b>     | <b>Mapei</b><br><a href="http://www.mapei.com/us/en-us/home-page">www.mapei.com/us/en-us/home-page</a>                                     | <b>403</b> |
| <b>Červenka Consulting</b><br><a href="http://www.cervenka.cz">www.cervenka.cz</a>   | <b>203</b>     | <b>Master Builders Solutions</b><br><a href="http://www.master-builders-solutions.com/en-us">www.master-builders-solutions.com/en-us</a>   | <b>308</b> |
| <b>Chimica Edile USA</b><br><a href="http://www.ceusa.cc">www.ceusa.cc</a>   | <b>306</b>     | <b>NEU: An ACI Center of Excellence for Carbon Neutral Concrete</b><br><a href="http://www.neuconcrete.org">www.neuconcrete.org</a>        | <b>601</b> |
| <b>CMEC</b><br><a href="http://www.cmec.org">www.cmec.org</a>  | <b>506</b>     | <b>NEx: An ACI Center of Excellence for Nonmetallic Building Materials</b><br><a href="http://www.nonmetallic.org">www.nonmetallic.org</a> | <b>602</b> |
| <b>Concrete Sealants</b><br><a href="http://www.conseal.com">www.conseal.com</a>   | <b>307</b>     | <b>Penetron USA Inc.</b><br><a href="http://www.penetron.com">www.penetron.com</a>   | <b>509</b> |
| <b>Concrete Strategies</b><br><a href="http://www.concretestrategies.com">www.concretestrategies.com</a>                             | <b>504</b>     | <b>Premier CPG</b><br><a href="http://www.premiermagnesia.com">www.premiermagnesia.com</a>   | <b>204</b> |
| <b>CONTROLS Inc.</b><br><a href="http://www.controls-group.com">www.controls-group.com</a>   | <b>202</b>     | <b>Prometheus Materials</b><br><a href="http://www.prometheusmaterials.com">www.prometheusmaterials.com</a>                                | <b>604</b> |
| <b>CTLGroup</b><br><a href="http://www.CTLGroup.com">www.CTLGroup.com</a>  | <b>102</b>     | <b>PS=0®</b><br><a href="http://www.pourstrip0.com">www.pourstrip0.com</a>   | <b>208</b> |
| <b>Deslauriers</b><br><a href="http://www.deslinc.com">www.deslinc.com</a>   | <b>402</b>     | <b>Rhino Carbon Fibers</b><br><a href="http://www.rhinocarbonfiber.com">www.rhinocarbonfiber.com</a>                                       | <b>205</b> |
| <b>Euclid Chemical</b><br><a href="http://www.euclidchemical.com">www.euclidchemical.com</a>   | <b>300</b>     | <b>Screening Eagle USA, Inc.</b><br><a href="http://www.screeningeagle.com">www.screeningeagle.com</a>                                     | <b>400</b> |
| <b>Fiber Reinforced Concrete Association</b><br><a href="http://www.fiberreinforcedconcrete.org">www.fiberreinforcedconcrete.org</a> | <b>605</b>     | <b>Silica Fume Association</b><br><a href="http://www.silicafume.org">www.silicafume.org</a>   | <b>510</b> |
| <b>FPrimeC Solutions Inc.</b><br><a href="http://www.fprimec.com">www.fprimec.com</a>  | <b>404</b>     | <b>Slag Cement Association</b><br><a href="http://www.slacement.org">www.slacement.org</a>   | <b>305</b> |
| <b>Forney LP</b><br><a href="http://www.forneyonline.com">www.forneyonline.com</a>   | <b>301/302</b> | <b>Splice Sleeve North America, Inc.</b><br><a href="http://www.splicesleeve.com">www.splicesleeve.com</a>                                 | <b>405</b> |
| <b>Fortera</b><br><a href="http://www.forterausa.com">www.forterausa.com</a>   | <b>505</b>     | <b>Structural Technologies</b><br><a href="http://www.structuraltechnologies.com">www.structuraltechnologies.com</a>                       | <b>406</b> |
| <b>Full Force Engineered Solutions</b><br><a href="http://www.fullforcesolutions.us">www.fullforcesolutions.us</a>                   | <b>507</b>     | <b>Teijin Frontier Co., Ltd</b><br><a href="https://www2.teijin-frontier.com/English/">https://www2.teijin-frontier.com/English/</a>       | <b>501</b> |
| <b>Fyfe</b><br><a href="https://tinyurl.com/4f8dz9fh">https://tinyurl.com/4f8dz9fh</a>   | <b>500</b>     | <b>Texas State Concrete Industry Management</b><br><a href="http://www.txst.edu/technology/cim/">www.txst.edu/technology/cim/</a>          | <b>304</b> |
| <b>Germann Instruments</b><br><a href="http://www.germanninstruments.com">www.germanninstruments.com</a>                             | <b>303</b>     | <b>TOKUSEN U.S.A. Inc.</b><br><a href="http://www.tokusenusa.com">www.tokusenusa.com</a>   | <b>502</b> |
| <b>Giatec Scientific</b><br><a href="http://www.giatecscientific.com">www.giatecscientific.com</a>                                   | <b>104</b>     | <b>USC Structures and Materials Research Laboratory</b><br><a href="https://smrl.usc.edu/">https://smrl.usc.edu/</a>                       | <b>103</b> |
| <b>Gilson Company, Inc.</b><br><a href="http://www.globalgilson.com">www.globalgilson.com</a>  | <b>408</b>     | <b>Vector Corrosion Technologies, Inc.</b><br><a href="http://www.vector-corrosion.com">www.vector-corrosion.com</a>                       | <b>407</b> |
| <b>Headed Reinforcement Corp. (HRC)</b><br><a href="http://www.hrc-usa.com">www.hrc-usa.com</a>                                      | <b>207</b>     |  |            |

Exhibiting Sponsors are listed as of 3/23/23.

# Exhibit Hall Floor Plan

## Grand Ballroom A & B



## Virtual Sponsor Demonstrations

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

To view the schedule and participate in the demonstrations, please visit the convention app.

# Daily Program

For detailed program information and program changes, download the \*ALL-NEW\* Convention App.

✓ = Separate fee required ★ = Guest-only event

| Saturday, April 1, 2023  |   |
|--|---|
| <b>8:00 am – 9:00 pm</b>   |   |
| Committee Meetings   | See numeric or convention app for detailed list |
| <b>9:00 am – 5:00 pm</b>   |   |
| Chapter Officer Roundtable (Closed)  | Golden Gate 2                                   |
| <b>2:00 pm – 6:00 pm</b>   |   |
| ACI Registration   | Grand Ballroom A & B                            |
| ACI Store  | Grand Ballroom A & B                            |
| ACI Cyber Café & Meeting Spot  | Grand Ballroom A & B                            |
| Afternoon Soda Break   | Grand Ballroom A & B                            |
| Speaker Ready Room   | Executive Boardroom                             |
| Sunday, April 2, 2023  |   |
| <b>7:00 am – 10:00 am</b>  |   |
| Guest Hospitality  | Vista Lounge                                    |
| Coffee Break   | Grand Ballroom A & B                            |
| <b>7:00 am – 5:45 pm</b>   |   |
| Committee Meetings   | See numeric or convention app for detailed list |
| <b>7:00 am – 6:00 pm</b>   |   |
| Speaker Ready Room   | Executive Boardroom                             |
| <b>7:30 am – 5:00 pm</b>   |   |
| ACI Registration   | Grand Ballroom A & B                            |
| ACI Cyber Café & Meeting Spot  | Grand Ballroom A & B                            |
| ACI Store  | Grand Ballroom A & B                            |
| <b>8:00 am – 9:00 am</b>   |   |
| Convention Orientation Breakfast   | Imperial B                                      |
| ★ Guest Overview   | Vista Lounge                                    |
| <b>8:00 am – 5:00 pm</b>   |   |
| Exhibit Hall   | Grand Ballroom A & B                            |
| <b>8:00 am – 10:00 am—Sessions</b>   |   |
| Advances in Sustainable and Bio-Inspired Cementitious Materials for 3-D Printing Applications, Part 1 of 3 | Franciscan A & B                                |
| Evaluation and Use of Harvested Fly Ash and Ground Bottom Ash as SCM in Concrete, Part 1 of 2              | Yosemite A                                      |
| Use of Data Science for Advancing Concrete Technology: Opportunities and Challenges, Part 1 of 2           | Yosemite B                                      |
| Innovative Use of Chemical Admixtures for Sustainable Concrete, Part 1 of 2                                | Yosemite C                                      |
| <b>8:30 am – 3:30 pm</b>   |   |
| Student Fiber-Reinforced Concrete Bowling Ball Competition   | Grand Ballroom A & B                            |
| <b>9:30 am – 11:00 am—Session</b>  |   |
| ACI International Forum  | Golden Gate 7                                   |
| <b>10:00 am – 4:00 pm</b>  |   |
| ★ Guest Lounge   | Vista Lounge                                    |

|  |                      |
|--|----------------------|
| <b>10:30 am – 12:30 pm—Sessions</b>  |                      |
| Advances in Sustainable and Bio-Inspired Cementitious Materials for 3-D Printing Applications, Part 2 of 3 | Franciscan A & B     |
| Evaluation and Use of Harvested Fly Ash and Ground Bottom Ash as SCM in Concrete, Part 2 of 2              | Yosemite A           |
| Use of Data Science for Advancing Concrete Technology: Opportunities and Challenges, Part 2 of 2           | Yosemite B           |
| Innovative Use of Chemical Admixtures for Sustainable Concrete, Part 2 of 2                                | Yosemite C           |
| <b>11:30 am – 1:30 pm</b>  |                      |
| ✓ International Lunch  | Imperial B           |
| <b>1:00 pm – 2:00 pm—Mini Session</b>  |                      |
| Advanced Plain Concrete Material Testing and Design Methods  | Union Square 3 & 4   |
| <b>1:00 pm – 4:00 pm</b>   |                      |
| Afternoon Soda Break   | Grand Ballroom A & B |
| <b>1:00 pm – 3:00 pm—Sessions</b>  |                      |
| Advances in Sustainable and Bio-Inspired Cementitious Materials for 3-D Printing Applications, Part 3 of 3 | Franciscan A & B     |
| Innovations in Concrete Technology   | Yosemite B           |
| Differences between Lateral Pressure of Self-Consolidating and Conventionally Vibrated Concrete            | Yosemite C           |
| <b>1:30 pm – 3:30 pm—Session</b>   |                      |
| International Session  | Yosemite A           |
| <b>3:30 pm – 5:30 pm—Sessions</b>  |                      |
| Sustainability of Concrete Structures: An Italian Perspective  | Franciscan A & B     |
| Sustainable Strategies for Ultra-High-Performance Concrete   | Yosemite A           |
| Predicting Field Condition and Deterioration of Concrete Bridges   | Yosemite B           |
| Design and Mixture Optimization Efforts toward Enhancement of Concrete Pavement Sustainability             | Yosemite C           |
| <b>4:00 pm – 5:00 pm</b>   |                      |
| ACI Student Forum  | Golden Gate 7        |
| <b>5:45 pm – 7:00 pm</b>   |                      |
| Opening Session  | Continental 4 & 5    |
| <b>7:00 pm – 8:00 pm</b>   |                      |
| Opening Reception  | Grand Ballroom A & B |
| <b>8:00 pm – 10:00 pm—Session</b>  |                      |
| Hot Topic Session: How the Concrete Industry is Rising to Meet the Climate Challenge                       | Yosemite A           |
| <b>8:30 pm – 10:00 pm</b>  |                      |
| Student and Young Professional Networking Event  | Cityscape Lounge     |

# Daily Program

For detailed program information and program changes, download the \*ALL-NEW\* Convention App.

✓= Separate fee required ★ = Guest-only event

| Monday, April 3, 2023   |   |
|---|---|
| <b>6:30 am – 8:00 am</b>  |   |
| Workshop for Technical Committee Chairs <i>(by invitation only)</i> | Continental 5 & 6                               |
| <b>7:00 am – 8:30 am</b>  |   |
| Professional Development Breakfast                                  | Golden Gate 4 & 5                               |
| <b>7:00 am – 10:00 am</b>   |   |
| ★ Guest Hospitality   | Vista Lounge                                    |
| Coffee Break  | Grand Ballroom A & B                            |
| <b>7:00 am – 6:00 pm</b>  |   |
| Speaker Ready Room  | Executive Boardroom                             |
| <b>7:00 am – 7:00 pm</b>  |   |
| Committee Meetings  | See numeric or convention app for detailed list |
| <b>7:3 am – 9:00 am</b>   |   |
| Chapter Officer Business & Breakfast (Closed)                       | Golden Gate 1                                   |
| <b>7:30 am – 5:00 pm</b>  |   |
| ACI Registration  | Grand Ballroom A & B                            |
| ACI Cyber Café & Meeting Spot                                       | Grand Ballroom A & B                            |
| ACI Store   | Grand Ballroom A & B                            |
| <b>8:00 am – 8:30 am</b>  |   |
| Coffee at Meeting Spot for first-time attendees                     | Grand Ballroom A & B                            |
| <b>8:00 am – 5:00 pm</b>  |   |
| Exhibit Hall  | Grand Ballroom A & B                            |
| <b>8:30 am – 10:30 am—Sessions</b>                                  |   |
| Advances in Calcium Sulfoaluminate Cement Technologies, Part 1 of 2 | Franciscan A & B                                |
| Undergraduate Research Session                                      | Yosemite A                                      |
| Research in Progress, Part 1 of 2                                   | Yosemite B                                      |
| Always Advancing Requires Code Advocacy by You!                     | Yosemite C                                      |
| <b>9:00 am – 10:00 am—Mini Session</b>                              |   |
| Evaluation of Concrete Cores Test Results According to ACI 318-19   | Imperial A                                      |
| <b>10:00 am – 4:00 pm</b>   |   |
| ★ Guest Lounge  | Vista Lounge                                    |
| <b>10:30 am – 11:30 am</b>  |   |
| Student Awards Program  | Continental 5 & 6                               |
| <b>10:30 am – 12:00 pm—Session</b>                                  |   |
| ACI 123 Student Poster Session                                      | Grand Ballroom A & B                            |
| <b>11:00 am – 1:00 pm—Sessions</b>                                  |   |
| Advances in Calcium Sulfoaluminate Cement Technologies, Part 2 of 2 | Franciscan A & B                                |

|   |                      |
|---|----------------------|
| High-Strength Concrete in Practice – Case Studies from Recent Projects  | Yosemite A           |
| Research in Progress, Part 2 of 2   | Yosemite B           |
| Planning, Placing, Protecting, and Curing in Adverse Conditions, Part 1 of 3  | Yosemite C           |
| <b>1:00 pm – 4:00 pm</b>  |                      |
| Afternoon Soda Break  | Grand Ballroom A & B |
| <b>1:30 pm – 2:00 pm</b>  |                      |
| Sodas at Meeting Spot for first-time attendees  | Grand Ballroom A & B |
| <b>1:30 pm – 3:30 pm—Sessions</b>   |                      |
| ACI/JCI – 6th Joint Seminar – Advancing the Design of Concrete Structures – Component Design Advancements, Part 1 of 4  | Franciscan A & B     |
| Best Practices for Incorporating Sustainability in Concrete Education   | Yosemite A           |
| Resilience, Failure Mitigation, and Preservation of Concrete Bridges and Structures, Part 1 of 2                        | Yosemite B           |
| Planning, Placing, Protecting, and Curing in Adverse Conditions, Part 2 of 3  | Yosemite C           |
| <b>4:00 pm – 6:00 pm—Sessions</b>   |                      |
| ACI/JCI – 6th Joint Seminar – Advancing the Design of Concrete Structures – Concrete Material Advancements, Part 2 of 4 | Franciscan A & B     |
| ACI's Role in Bridge Code Development   | Yosemite A           |
| Resilience, Failure Mitigation, and Preservation of Concrete Bridges and Structures, Part 2 of 2                        | Yosemite B           |
| Planning, Placing, Protecting, and Curing in Adverse Conditions, Part 3 of 3  | Yosemite C           |
| <b>5:00 pm – 6:00 pm</b>  |                      |
| Women in ACI Reception  | Vista Lounge         |
| <b>6:00 pm – 8:00 pm</b>  |                      |
| ✓ Retirement Celebration in Honor of Ronald G. Burg   | Continental 6        |
| <b>6:30 pm – 8:30 pm—Session</b>  |                      |
| 123 Forum   | Yosemite A           |

# Daily Program

For detailed program information and program changes, download the \*ALL-NEW\* Convention App.

✓ = Separate fee required ★ = Guest-only event

| Tuesday, April 4, 2023  |   |
|---|---|
| <b>7:00 am – 10:00 am</b>   |   |
| ★ Guest Hospitality   | Vista Lounge                                    |
| Coffee Break  | Grand Ballroom A & B                            |
| <b>7:00 am – 6:00 pm</b>  |   |
| Speaker Ready Room  | Executive Boardroom                             |
| Committee Meetings  | See numeric or convention app for detailed list |
| <b>7:30 am – 5:00 pm</b>  |   |
| ACI Registration  | Grand Ballroom A & B                            |
| ACI Cyber Café & Meeting Spot   | Grand Ballroom A & B                            |
| ACI Store   | Grand Ballroom A & B                            |
| <b>8:00 am – 8:30 am</b>  |   |
| Coffee at Meeting Spot for first-time attendees   | Grand Ballroom A & B                            |
| <b>8:00 am – 9:00 am—Mini Session</b>   |   |
| Important Topics and New Developments in Pervious Concrete  | Union Square 19 & 20                            |
| <b>8:00 am – 5:00 pm</b>  |   |
| Exhibit Hall  | Grand Ballroom A & B                            |
| <b>8:30 am – 10:30 am—Sessions</b>  |   |
| ACI/JCI – 6th Joint Seminar – Advancing the Design of Concrete Structures – Design for Seismic Performance, Part 3 of 4 | Franciscan A & B                                |
| NEU Carbon-Neutral Concrete Specialty Day Session, Part 1 of 2  | Yosemite A                                      |
| Punching Shear of Concrete Slabs: Insights from New Materials, Tests, and Analysis Methods, Part 1 of 2                 | Yosemite B                                      |
| Honoring Bruce Suprenant Concrete Construction Contributions, Part 1 of 4   | Yosemite C                                      |
| <b>9:00 am – 10:00 am—Mini Session</b>  |   |
| Hot Topics in Protective Systems for Concrete   | Golden Gate 4 & 5                               |
| <b>10:00 am – 4:00 pm</b>   |   |
| ★ Guest Lounge  | Vista Lounge                                    |
| <b>11:00 am – 1:00 pm—Sessions</b>  |   |
| ACI/JCI – 6th Joint Seminar – Advancing the Design of Concrete Structures – Sustainable Design Solutions, Part 4 of 4   | Franciscan A & B                                |
| Application of Nanoparticles in Self-Consolidating Concrete   | Yosemite A                                      |
| Punching Shear of Concrete Slabs: Insights from New Materials, Tests, and Analysis Methods, Part 2 of 2                 | Yosemite B                                      |

|   |                      |
|---|----------------------|
| Honoring Bruce Suprenant Concrete Construction Contributions, Part 2 of 4   | Yosemite C           |
| <b>11:30 am – 1:30 pm</b>   |                      |
| ✓ NEU Carbon-Neutral Concrete Specialty Day Lunch   | Imperial B           |
| <b>1:00 pm – 4:00 pm</b>  |                      |
| Afternoon Soda Break  | Grand Ballroom A & B |
| <b>1:30 pm – 2:00 pm</b>  |                      |
| Sodas at Meeting Spot for first-time attendees  | Grand Ballroom A & B |
| <b>1:30 pm – 2:30 pm—Mini Session</b>   |                      |
| Concrete's Role in the Golden City  | Union Square 22      |
| <b>1:30 pm – 2:30 pm—Mini Session</b>   |                      |
| Condition Assessment of Fire-Damaged Residential Concrete Foundations   | Union Square 19 & 20 |
| <b>1:30 pm – 3:30 pm—Sessions</b>   |                      |
| Long-Term Monitoring: Lessons Learned and Case Studies  | Franciscan A & B     |
| NEU Carbon-Neutral Concrete Specialty Day Session, Part 2 of 2  | Yosemite A           |
| Open Topic Session, Part 1 of 2   | Yosemite B           |
| Honoring Bruce Suprenant Concrete Construction Contributions, Part 3 of 4   | Yosemite C           |
| <b>2:00 pm – 3:00 pm—Mini Session</b>   |                      |
| Concrete Pavement Sustainability and Resilience   | Union Square 1 & 2   |
| <b>3:00 pm – 4:00 pm—Mini Session</b>   |                      |
| Constructability: Hot Topics, Recent Developments, and Case Studies   | Continental 1 & 2    |
| <b>4:00 pm – 6:00 pm—Sessions</b>   |                      |
| Introduction to UHPC Certificate Program  | Franciscan A & B     |
| Moving Forward through Innovative Prescriptive and Performance-Based Specifications for Fly Ash and Natural Pozzolans | Yosemite A           |
| Open Topic Session, Part 2 of 2   | Yosemite B           |
| Honoring Bruce Suprenant Concrete Construction Contributions, Part 4 of 4   | Yosemite C           |
| <b>5:00 pm – 6:00 pm</b>  |                      |
| Faculty Network Reception   | Vista Lounge         |

# Daily Program

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 ✓= Separate fee required ★ = Guest-only event

|  |   |
|--|---|
| <b>6:30 pm – 8:00 pm</b>   |   |
| Concrete Mixer   | Continental 4 - 6                               |
| <b>Wednesday, April 5, 2023</b>  |   |
| <b>7:00 am – 10:00 am</b>  |   |
| ★Guest Hospitality   | Vista Lounge                                    |
| Coffee Break   | Grand Ballroom A & B                            |
| <b>7:00 am – 2:00 pm</b>   |   |
| Speaker Ready Room   | Executive Boardroom                             |
| <b>8:00 am – 12:00 pm</b>  |   |
| ACI Registration   | Grand Ballroom A & B                            |
| ACI Store  | Grand Ballroom A & B                            |
| <b>8:00 am – 2:00 pm</b>   |   |
| ACI Cyber Café & Meeting Spot  | Grand Ballroom A & B                            |
| <b>8:00 am – 6:00 pm</b>   |   |
| Committee Meetings   | See numeric or convention app for detailed list |
| <b>8:30 am – 10:30 am—Sessions</b>   |   |
| An Overview of ACI 350 Code Changes for Environmental Engineering Concrete Structures      | Franciscan A & B                                |
| 2022 Slag Cement in Sustainable Construction Awards  | Yosemite A                                      |
| Novel Developments in the Use of Advanced Fiber-Reinforced Concretes, Part 1 of 2          | Yosemite B                                      |
| Nanotechnology for Concrete with Low Carbon Footprint, Part 1 of 2                         | Yosemite C                                      |
| <b>9:00 am – 12:00 pm</b>  |   |
| NEx Workshop on FRP Reinforced Concrete: User Experiences and Success Stories, Part 1 of 2 | Franciscan C & D                                |
| <b>10:00 am – 4:00 pm</b>  |   |
| ★Guest Lounge  | Vista Lounge                                    |
| <b>11:00 am – 1:00 pm—Session</b>  |   |
| What's Holding Back Productivity?  | Yosemite A                                      |
| Novel Developments in the Use of Advanced Fiber-Reinforced Concretes, Part 2 of 2          | Yosemite B                                      |
| Nanotechnology for Concrete with Low Carbon Footprint, Part 2 of 2                         | Yosemite C                                      |
| <b>1:30 pm – 5:30 pm</b>   |   |
| Board of Direction   | Imperial A & B                                  |
| <b>2:00 pm – 5:00 pm</b>   |   |
| NEx Workshop on FRP Reinforced Concrete: User Experiences and Success Stories, Part 2 of 2 | Franciscan C & D                                |
| <b>6:30 pm – 8:00 pm</b>   |   |
| President's Reception  | Plaza   |





# JOIN A COMMITTEE!

ACI Committees are recognized for providing widely accepted standards of practice for nearly every facet of the concrete industry thanks to the participation of professionals across the concrete industry.

ACI's committees are classified as follows:

100s – General

200s – Materials and Properties of Concrete

300s – Design and Construction

400s – Concrete Reinforcement and Structural Analysis

500s – Specialized Applications and Repair

C – Certification Committees

E – Education Committees

S – Student and Young Professional Committees

Help shape the codes and standards of the concrete industry and join a committee!

If you are interested in joining a committee, visit [www.concrete.org/committees/joinacommittee](http://www.concrete.org/committees/joinacommittee) and fill out the online application.



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# Numerical Committee Meeting Listing

For detailed program information and program changes, download the \*ALL-NEW\* Convention App.

| Code      | Committee  | Day | Time                | Room Name            |
|-----------|--|-----|---------------------|----------------------|
| ACIFdn    | ACI Foundation Board of Trustees   | Wed | 8:00 am - 10:30 am  | Golden Gate 1        |
| BOD       | Board of Direction   | Wed | 1:30 pm - 5:30 pm   | Imperial A & B       |
| CAC       | Chapter Activities Committee   | Mon | 2:00 pm - 4:00 pm   | Franciscan D         |
| CIC00     | ACI Foundation Concrete Innovation Council                                   | Mon | 9:00 am - 11:00 am  | Golden Gate 3        |
| CLC       | Construction Liaison Committee   | Sun | 8:00 am - 10:30 am  | Union Square 15 & 16 |
| CPC       | Certification Programs Committee   | Tue | 2:00 pm - 5:00 pm   | Golden Gate 8        |
| CSAO      | Codes and Standards Advocacy and Outreach                                    | Mon | 3:30 pm - 5:30 pm   | Union Square 23 & 24 |
| C601-E    | Concrete Construction Sustainability Assessor                                | Tue | 7:30 am - 8:30 am   | Franciscan D         |
| C610      | Field Technician Certification   | Mon | 8:00 am - 10:00 am  | Union Square 15 & 16 |
| C620      | Laboratory Technician Certification  | Tue | 8:30 am - 10:00 am  | Union Square 22      |
| C630      | Construction Inspector Certification   | Mon | 1:00 pm - 2:30 pm   | Union Square 15 & 16 |
| C631      | Concrete Transportation Construction Inspector Certification                 | Tue | 10:00 am - 11:30 am | Union Square 14      |
| C640      | Craftsman Certification  | Sun | 10:00 am - 12:00 pm | Union Square 22      |
| C641      | Decorative Concrete Finisher Certification                                   | Tue | 1:00 pm - 2:00 pm   | Union Square 5 & 6   |
| C650      | Tilt-Up Constructor Certification  | Sun | 4:00 pm - 5:30 pm   | Golden Gate 4        |
| C660      | Shotcrete Nozzleman Certification  | Sun | 8:00 am - 10:00 am  | Golden Gate 1        |
| C661      | Shotcrete Inspector Certification  | Sun | 8:00 am - 10:00 am  | Golden Gate 1        |
| C670      | Masonry Technician Certification   | Mon | 3:00 pm - 4:00 pm   | Golden Gate 8        |
| C680      | Adhesive Anchor Installer  | Sun | 10:00 am - 12:00 pm | Union Square 17 & 18 |
| C690      | Concrete Quality Technical Manager Certification                             | Mon | 10:30 am - 11:30 am | Nob Hill 8 & 9       |
| C691      | Nondestructive Concrete Specialist Certification                             | Mon | 1:00 pm - 3:00 pm   | Golden Gate 8        |
| EAC       | Educational Activities Committee   | Tue | 8:00 am - 10:00 am  | Union Square 14      |
| E701      | Materials for Concrete Construction  | Sun | 9:00 am - 10:30 am  | Union Square 5 & 6   |
| E702      | Designing Concrete Structures  | Mon | 9:00 am - 11:00 am  | Imperial A           |
| E703      | Concrete Construction Practices  | Mon | 4:00 pm - 6:00 pm   | Golden Gate 8        |
| E706      | Concrete Repair Education  | Sun | 7:30 am - 9:00 am   | Golden Gate 8        |
| E707      | Specification Education  | Tue | 11:30 am - 1:00 pm  | Golden Gate 3        |
| E710      | ACI University Programs  | Sun | 11:30 am - 12:30 pm | Marina               |
| E905      | Training Programs  | Sun | 9:00 am - 10:00 am  | Union Square 1 & 2   |
| HTC       | Hot Topics Committee   | Sun | 3:00 pm - 4:00 pm   | Seacliff             |
| IAC       | International Advisory Committee   | Tue | 9:30 am - 11:30 am  | Golden Gate 3        |
| Intl-Cert | International Certification  | Sun | 2:00 pm - 5:00 pm   | Union Square 5 & 6   |
| IC-Conf   | International Conferences/Conventions  | Mon | 7:15 am - 8:30 am   | Nob Hill 4 & 5       |
| IPAC      | International Project Awards Committee                                       | Wed | 9:00 am - 11:00 am  | Continental 8        |
| MEMC      | Membership Committee   | Mon | 10:00 am - 11:00 am | Nob Hill 2 & 3       |
| SJEB-A    | MJEB-SJEB Joint Subcommittee   | Sun | 9:00 am - 11:00 am  | Golden Gate 8        |
| SY PAC    | Student and Young Professional Activities Committee                          | Wed | 8:00 am - 10:00 am  | Continental 3        |
| S801      | Student Competitions   | Sun | 7:30 am - 9:00 am   | Continental 6        |
| S802      | Teaching Methods and Educational Materials                                   | Mon | 8:30 am - 10:00 am  | Franciscan D         |
| S806      | Young Professional Activities  | Mon | 1:30 pm - 3:00 pm   | Continental 7        |
| TAC       | Technical Activities Committee   | Sat | 2:00 pm - 6:00 pm   | Continental 8        |
| TCSC      | TAC Construction Standards Committee   | Wed | 8:30 am - 10:30 am  | Golden Gate 2        |
| TRRC      | TAC Repair and Rehabilitation Committee                                      | Tue | 7:00 am - 8:30 am   | Nob Hill 1           |
| ITG-11    | ITG-11 Statistical Techniques for Assessment of Existing Concrete Structures | Mon | 12:30 pm - 1:30 pm  | Union Square 13      |
| 117-A     | Editorial and General Requirements   | Mon | 2:00 pm - 6:00 pm   | Golden Gate 2        |

# Numerical Committee Meeting Listing

For detailed program information and program changes, download the \*ALL-NEW\* Convention App.

| Code    | Committee   | Day | Time                | Room Name            |
|---------|---|-----|---------------------|----------------------|
| 117-D   | Cast-in-Place Concrete for Buildings                                      | Mon | 8:30 am - 10:30 am  | Nob Hill 8 & 9       |
| 117-OI  | Exterior Pavements and Sidewalks  | Mon | 1:00 pm - 4:00 pm   | Nob Hill 8 & 9       |
| 117-L   | Laser Scanning  | Tue | 1:30 pm - 3:00 pm   | Union Square 21      |
| 117     | Tolerances-Joint ACI-ASCC   | Tue | 8:00 am - 12:00 pm  | Union Square 17 & 18 |
| 120     | History of Concrete   | Tue | 1:30 pm - 3:30 pm   | Union Square 22      |
| 121     | Quality Assurance Systems for Concrete                                    | Mon | 10:00 am - 12:00 pm | Union Square 14      |
| 122     | Energy Efficiency of Concrete and Masonry Systems (Joint ACI-TMS)         | Mon | 1:00 pm - 3:30 pm   | Union Square 14      |
| 123     | Research and Current Developments   | Sun | 4:00 pm - 5:30 pm   | Continental 6        |
| 124     | Concrete Aesthetics   | Mon | 11:30 am - 12:30 pm | Continental 3        |
| 130     | Sustainability of Concrete  | Mon | 2:00 pm - 5:00 pm   | Union Square 3 & 4   |
| 130-A   | Materials   | Mon | 8:30 am - 11:00 am  | Nob Hill 1           |
| 130-G   | Education   | Sun | 3:00 pm - 4:00 pm   | Nob Hill 6 & 7       |
| 130-H   | Climate Change Impacts on the Sustainability of Concrete                  | Mon | 8:00 am - 10:00 am  | Union Square 1 & 2   |
| 131-A   | BIM for Bridges   | Sun | 12:00 pm - 2:00 pm  | Golden Gate 3        |
| 131     | Building Information Modeling of Concrete Structures                      | Sat | 2:00 pm - 5:00 pm   | Golden Gate 5        |
| 131     | Building Information Modeling of Concrete Structures                      | Sun | 10:00 am - 12:00 pm | Continental 9        |
| 132     | Responsibility in Concrete Construction                                   | Sun | 2:00 pm - 5:00 pm   | Union Square 17 & 18 |
| 133     | Disaster Reconnaissance   | Sun | 3:00 pm - 5:00 pm   | Franciscan D         |
| 134     | Concrete Constructability   | Tue | 3:00 pm - 6:00 pm   | Continental 1 & 2    |
| 135     | Machine Learning-Informed Construction and Design                         | Wed | 10:00 am - 11:30 am | Continental 9        |
| 201     | Durability of Concrete  | Tue | 8:00 am - 11:00 am  | Continental 1 & 2    |
| 201-H   | Aggregate Reactions   | Sun | 12:00 pm - 2:00 pm  | Continental 6        |
| 201-I   | Corrosion of Metals in Concrete   | Sun | 9:00 am - 10:30 am  | Golden Gate 3        |
| 201-J   | Chemical Attack on Concrete   | Sun | 11:00 am - 1:00 pm  | Continental 3        |
| 201-K   | Biogenic Attack   | Sun | 2:00 pm - 4:00 pm   | Union Square 14      |
| 207     | Mass Concrete   | Mon | 10:00 am - 1:00 pm  | Union Square 15 & 16 |
| 209     | Creep and Shrinkage in Concrete   | Mon | 10:00 am - 1:00 pm  | Golden Gate 6        |
| 209-C   | Models Applicability and Uncertainty                                      | Sun | 4:00 pm - 5:00 pm   | Seacliff             |
| 209-D   | Numerical Methods and 3D Analyses   | Sun | 5:00 pm - 5:45 pm   | Presidio             |
| 211     | Proportioning Concrete Mixtures   | Wed | 8:00 am - 10:00 am  | Continental 9        |
| 211-E   | Proportioning-Evaluation  | Tue | 1:00 pm - 3:00 pm   | Union Square 13      |
| 211-M   | Aggregate Packing Model   | Tue | 9:00 am - 10:00 am  | Union Square 13      |
| 211-P   | Guide for Selecting Proportions for Pumpable Concrete                     | Mon | 3:00 pm - 4:30 pm   | Nob Hill 1           |
| 211-TG2 | Developing and Using a Three Point Curve                                  | Tue | 12:00 pm - 2:00 pm  | Union Square 14      |
| 212     | Chemical Admixtures   | Mon | 2:00 pm - 5:00 pm   | Union Square 1 & 2   |
| 213     | Lightweight Aggregate and Concrete  | Tue | 1:30 pm - 3:30 pm   | Golden Gate 3        |
| 213-TG1 | Lightweight – Editorial Task Group  | Tue | 11:00 am - 12:00 pm | Union Square 19 & 20 |
| 214     | Evaluation of Results of Tests Used to Determine the Strength of Concrete | Mon | 3:30 pm - 5:30 pm   | Golden Gate 3        |
| 214-A   | Document Preparation  | Mon | 1:00 pm - 2:30 pm   | Continental 9        |
| 215     | Fatigue of Concrete   | Sun | 12:30 pm - 2:30 pm  | Continental 1 & 2    |
| 216     | Fire Resistance and Fire Protection of Structures (Joint ACI-TMS)         | Mon | 9:00 am - 12:00 pm  | Union Square 23 & 24 |
| 216-TG1 | Rational Design   | Sun | 12:00 pm - 2:00 pm  | Franciscan D         |
| 221     | Aggregates  | Tue | 11:00 am - 1:30 pm  | Union Square 25      |

# Numerical Committee Meeting Listing

For detailed program information and program changes, download the \*ALL-NEW\* Convention App.

| Code    | Committee  | Day | Time                | Room Name            |
|---------|--|-----|---------------------|----------------------|
| 222     | Corrosion of Metals in Concrete                                | Tue | 2:00 pm - 5:00 pm   | Union Square 23 & 24 |
| 222-A   | Exposure Classes, Chloride Limits and Design Criteria          | Sun | 10:30 am - 12:00 pm | Golden Gate 3        |
| 222-TG1 | Developing Standardized Tests for Chloride Thresholds          | Sun | 1:00 pm - 3:00 pm   | Golden Gate 6        |
| 223     | Shrinkage-Compensating Concrete                                | Tue | 2:00 pm - 5:00 pm   | Continental 7        |
| 224     | Cracking   | Sun | 2:30 pm - 5:30 pm   | Union Square 13      |
| 225     | Hydraulic Cements  | Mon | 1:00 pm - 4:00 pm   | Golden Gate 6        |
| 228     | Nondestructive Testing of Concrete                             | Sun | 9:30 am - 12:30 pm  | Continental 1 & 2    |
| 228-B   | Visual Condition Survey of Concrete                            | Sun | 1:00 pm - 3:00 pm   | Seacliff             |
| 229     | Controlled Low-Strength Materials                              | Tue | 2:30 pm - 4:00 pm   | Union Square 14      |
| 230     | Soil Cement  | Tue | 8:30 am - 10:30 am  | Golden Gate 6        |
| 231     | Properties of Concrete at Early Ages                           | Mon | 3:30 pm - 5:00 pm   | Continental 9        |
| 232     | Fly Ash and Bottom Ash in Concrete                             | Mon | 1:00 pm - 4:00 pm   | Golden Gate 4 & 5    |
| 233     | Ground Slag in Concrete  | Tue | 2:00 pm - 5:00 pm   | Golden Gate 2        |
| 234     | Silica Fume in Concrete  | Tue | 2:00 pm - 4:30 pm   | Union Square 5 & 6   |
| 236     | Material Science of Concrete                                   | Mon | 4:30 pm - 6:00 pm   | Imperial A           |
| 237     | Self-Consolidating Concrete                                    | Mon | 8:15 am - 11:30 am  | Union Square 22      |
| 238     | Workability of Fresh Concrete                                  | Tue | 8:00 am - 10:00 am  | Union Square 1 & 2   |
| 238-A   | Student Workability  | Tue | 10:00 am - 11:30 am | Union Square 13      |
| 239     | Ultra-High-Performance Concrete                                | Mon | 3:30 pm - 6:00 pm   | Continental 1 & 2    |
| 239-C   | Structural Design on UHPC                                      | Mon | 10:30 am - 12:30 pm | Union Square 5 & 6   |
| 239-D   | Materials and Methods of Construction with UHPC                | Mon | 1:00 pm - 3:00 pm   | Union Square 23 & 24 |
| 239-E   | Educational Outreach   | Sun | 2:00 pm - 4:00 pm   | Union Square 25      |
| 239-F   | UHPC Sustainability  | Tue | 8:30 am - 10:00 am  | Golden Gate 7        |
| 239-SC  | Steering Committee   | Sun | 4:00 pm - 5:00 pm   | Union Square 14      |
| 240     | Pozzolans  | Mon | 10:00 am - 1:00 pm  | Continental 1 & 2    |
| 241     | Nanotechnology of Concrete                                     | Sun | 4:00 pm - 5:45 pm   | Continental 9        |
| 241-A   | The Application and Implementation of Nano-Engineered Concrete | Tue | 1:00 pm - 3:00 pm   | Union Square 17 & 18 |
| 241-SC  | SC Steering Committee  | Sun | 11:00 am - 12:00 pm | Golden Gate 6        |
| 241-TG1 | Dispersion of Nanoparticles in Concrete Materials TG           | Sun | 1:00 pm - 3:00 pm   | Imperial A           |
| 241-TG2 | Nanoscale Fiber Reinforced Concrete Task Group                 | Sun | 3:00 pm - 4:00 pm   | Union Square 15 & 16 |
| 242     | Alternative Cements  | Tue | 11:00 am - 2:00 pm  | Golden Gate 4 & 5    |
| 301-A   | General Requirements – Section 1                               | Sun | 8:00 am - 9:30 am   | Nob Hill 10          |
| 301-B   | Formwork and Formwork Accessories – Section 2                  | Sat | 6:30 pm - 8:30 pm   | Golden Gate 6        |
| 301-C   | Reinforcement and Reinforcement Supports – Section 3           | Sat | 4:00 pm - 6:00 pm   | Golden Gate 6        |
| 301-D   | Concrete Mixtures – Section 4                                  | Sun | 8:00 am - 9:30 am   | Nob Hill 4 & 5       |
| 301-E   | Handling, Placing, and Constructing – Section 5                | Sun | 8:00 am - 10:00 am  | Golden Gate 2        |
| 301-E   | Handling, Placing, and Constructing – Section 5                | Tue | 4:00 pm - 6:00 pm   | Union Square 3 & 4   |
| 301-F   | Architectural Concrete – Section 6                             | Sun | 10:30 am - 12:30 pm | Franciscan C         |
| 301-G   | Lightweight Concrete – Section 7                               | Mon | 9:00 am - 10:00 am  | Union Square 14      |
| 301-H   | Mass Concrete – Section 8                                      | Sun | 9:30 am - 11:00 am  | Seacliff             |
| 301-I   | Post-Tensioned Concrete – Section 9                            | Sun | 9:00 am - 10:30 am  | Franciscan C         |
| 301-J   | Shrinkage Compensating Concrete – Section 10                   | Sun | 8:30 am - 10:00 am  | Marina               |
| 301-K   | Industrial Floor Slabs – Section 11                            | Sun | 10:00 am - 11:30 am | Marina               |
| 301-L   | Tilt-Up Construction – Section 12                              | Sun | 7:30 am - 9:30 am   | Continental 8        |
| 301-M   | Precast Structural Concrete – Section 13                       | Sun | 10:00 am - 11:00 am | Nob Hill 10          |

# Numerical Committee Meeting Listing

For detailed program information and program changes, download the \*ALL-NEW\* Convention App.

| Code        | Committee   | Day | Time                | Room Name            |
|-------------|---|-----|---------------------|----------------------|
| 301         | Specifications for Concrete Construction                | Sat | 1:00 pm - 4:00 pm   | Continental 6        |
| 301         | Specifications for Concrete Construction                | Sun | 2:00 pm - 4:00 pm   | Continental 6        |
| 301         | Specifications for Concrete Construction                | Mon | 1:00 pm - 5:00 pm   | Union Square 22      |
| 301-N       | Precast Architectural Concrete – Section 14             | Sun | 11:00 am - 12:00 pm | Nob Hill 10          |
| 301-S       | Sustainability  | Sun | 10:00 am - 11:30 am | Union Square 1 & 2   |
| 301-SC      | Steering Committee                                      | Sat | 11:30 am - 12:30 pm | Continental 8        |
| 302         | Construction of Concrete Floors                         | Mon | 8:00 am - 1:00 pm   | Imperial B           |
| 303         | Architectural Cast-in-Place Concrete                    | Mon | 8:30 am - 10:30 am  | Union Square 5 & 6   |
| 304         | Measuring, Mixing, Transporting, and Placing Concrete   | Mon | 11:30 am - 1:00 pm  | Union Square 22      |
| 304-F       | Measuring/Mixing-Volumetric                             | Mon | 10:00 am - 11:30 am | Union Square 13      |
| 305         | Hot Weather Concreting                                  | Sun | 3:00 pm - 5:00 pm   | Union Square 22      |
| 306         | Cold Weather Concreting                                 | Tue | 8:30 am - 11:30 am  | Continental 3        |
| 307         | Concrete Chimneys                                       | Mon | 1:00 pm - 4:00 pm   | Presidio             |
| 308         | Curing Concrete   | Wed | 10:00 am - 1:00 pm  | Continental 3        |
| 308-A       | Curing-Guide  | Wed | 8:00 am - 10:00 am  | Continental 7        |
| 308-B       | Curing-Specifications                                   | Wed | 2:00 pm - 4:00 pm   | Continental 7        |
| 308-C       | Guide on Internal Curing of Concrete                    | Tue | 4:00 pm - 5:30 pm   | Golden Gate 3        |
| 309         | Consolidation of Concrete                               | Sun | 3:00 pm - 5:00 pm   | Golden Gate 3        |
| 310         | Decorative Concrete – Joint ACI-ASCC                    | Tue | 3:00 pm - 5:00 pm   | Union Square 17 & 18 |
| 310-J       | Polished Finishes                                       | Tue | 10:00 am - 12:00 pm | Union Square 23 & 24 |
| 310/308-TG2 | Curing Decorative Concrete Joint Task Group             | Tue | 1:30 pm - 2:30 pm   | Union Square 25      |
| 311         | Inspection of Concrete                                  | Tue | 2:30 pm - 4:30 pm   | Golden Gate 6        |
| 313         | Concrete Bins and Silos                                 | Mon | 8:30 am - 5:00 pm   | Nob Hill 4 & 5       |
| 314         | Simplified Design of Concrete Buildings                 | Sun | 8:30 am - 10:30 am  | Nob Hill 8 & 9       |
| 315         | Details of Concrete Reinforcement (Joint ACI-CRSI)      | Sun | 3:00 pm - 5:45 pm   | Golden Gate 6        |
| 318         | Structural Concrete Building Code                       | Wed | 8:00 am - 6:00 pm   | Continental 6        |
| 318-A       | 318 Subcommittee – General, Concrete, and Construction  | Tue | 1:30 pm - 6:00 pm   | Continental 3        |
| 318-B       | 318 Subcommittee – Anchorage and Reinforcement          | Mon | 2:30 pm - 4:30 pm   | Union Square 19 & 20 |
| 318-B       | 318 Subcommittee – Anchorage and Reinforcement          | Tue | 8:00 am - 12:30 pm  | Union Square 15 & 16 |
| 318-C       | 318 Subcommittee – Safety, Serviceability, and Analysis | Tue | 8:00 am - 12:30 pm  | Continental 7        |
| 318-D       | 318 Subcommittee – Members                              | Tue | 1:30 pm - 6:00 pm   | Continental 9        |
| 318-E       | 318 Subcommittee – Section and Member Strength          | Tue | 7:30 am - 12:30 pm  | Franciscan C         |
| 318-F       | 318 Subcommittee – Foundations                          | Tue | 8:00 am - 12:30 pm  | Continental 8        |
| 318-H       | 318 Subcommittee – Seismic Provisions                   | Tue | 1:30 pm - 6:00 pm   | Franciscan C         |
| 318-J       | 318 Subcommittee – Joints and Connections               | Tue | 1:30 pm - 6:00 pm   | Continental 8        |
| 318-L       | 318 Subcommittee – International Liaison                | Sun | 12:30 pm - 2:00 pm  | Franciscan C         |
| 318-N       | 318 Subcommittee – Sustainability                       | Mon | 9:30 am - 1:00 pm   | Union Square 3 & 4   |
| 318-P       | 318 Subcommittee – Precast and Prestressed Concrete     | Tue | 1:30 pm - 6:00 pm   | Franciscan D         |
| 318-1R      | Resolution of Anchorage and Development Provisions      | Sun | 7:00 am - 10:00 am  | Continental 3        |
| 318-S       | 318 Spanish Translation                                 | Mon | 11:00 am - 12:30 pm | Franciscan C         |
| 318-T       | 318 Subcommittee – Post-Tensioned Concrete              | Tue | 8:00 am - 12:30 pm  | Continental 9        |
| 318-W       | 318 Subcommittee – Wind Provisions                      | Mon | 1:30 pm - 5:30 pm   | Golden Gate 7        |
| 319         | Precast Structural Concrete Code (Joint ACI-PCI)        | Mon | 2:00 pm - 5:00 pm   | Franciscan C         |
| 320         | Post-Tensioned Structural Concrete Code (Joint ACI-PTI) | Sun | 2:00 pm - 5:45 pm   | Golden Gate 2        |

# Numerical Committee Meeting Listing

For detailed program information and program changes, download the \*ALL-NEW\* Convention App.

| Code    | Committee   | Day | Time                | Room Name            |
|---------|---|-----|---------------------|----------------------|
| 321     | Concrete Durability Code                                      | Wed | 1:00 pm - 4:00 pm   | Continental 3        |
| 321-TG2 | Durability Planning   | Wed | 10:00 am - 12:00 pm | Golden Gate 3        |
| 322     | Concrete Pool and Watershape Code                             | Sun | 11:00 am - 5:00 pm  | Continental 8        |
| 325     | Concrete Pavements  | Tue | 2:00 pm - 5:00 pm   | Union Square 1 & 2   |
| 325-A   | Pavements-Design  | Tue | 9:00 am - 10:00 am  | Union Square 21      |
| 325-C   | Pavements – Prestressed and Precast                           | Tue | 1:00 pm - 2:00 pm   | Golden Gate 8        |
| 325-F   | Concrete Pavement Overlays                                    | Tue | 10:00 am - 11:00 am | Golden Gate 7        |
| 327     | Roller-Compacted Concrete Pavements                           | Tue | 11:00 am - 1:00 pm  | Nob Hill 2 & 3       |
| 329     | Performance Criteria for Ready Mixed Concrete                 | Wed | 10:00 am - 11:30 am | Continental 7        |
| 330     | Concrete Parking Lots and Site Paving                         | Wed | 8:00 am - 12:00 pm  | Imperial A&B         |
| 332     | Residential Concrete Work                                     | Tue | 1:30 pm - 5:00 pm   | Union Square 19 & 20 |
| 332-B   | Residential Concrete Materials and Placement                  | Tue | 11:00 am - 12:30 pm | Golden Gate 7        |
| 332-C   | Residential Structural Foundations                            | Mon | 1:30 pm - 3:00 pm   | Nob Hill 1           |
| 332-D   | Residential Concrete-Footings and Foundation Walls            | Tue | 12:00 pm - 1:30 pm  | Union Square 19 & 20 |
| 332-E   | Residential Concrete-Above Grade Walls                        | Tue | 10:00 am - 12:00 pm | Golden Gate 8        |
| 332-F   | Residential Concrete-Slabs                                    | Tue | 10:00 am - 11:30 am | Union Square 21      |
| 334     | Concrete Shell Design and Construction (Joint ACI-ASCE)       | Mon | 5:00 pm - 7:00 pm   | Continental 7        |
| 336     | Footings, Mats and Drilled Piers                              | Sun | 1:00 pm - 4:00 pm   | Golden Gate 4        |
| 341     | Earthquake-Resistant Concrete Bridges                         | Sun | 1:00 pm - 5:00 pm   | Union Square 23 & 24 |
| 341-A   | Earthquake Resistant Bridges-Columns                          | Sun | 10:00 am - 11:30 am | Nob Hill 6 & 7       |
| 341-C   | Earthquake Resistant Bridges-Retrofit                         | Sun | 11:00 am - 12:30 pm | Seacliff             |
| 341-D   | Earthquake Resistant Bridges-Performance-Based Seismic Design | Sun | 9:30 am - 11:00 am  | Continental 8        |
| 342     | Evaluation of Concrete Bridges and Bridge Elements            | Sun | 8:30 am - 10:30 am  | Golden Gate 6        |
| 343     | Concrete Bridge Design (Joint ACI-ASCE)                       | Mon | 10:00 am - 12:00 pm | Union Square 1 & 2   |
| 343-B   | Bridge Deck Design  | Mon | 9:00 am - 10:00 am  | Union Square 21      |
| 345     | Bridge Construction and Preservation                          | Sun | 1:30 pm - 3:30 pm   | Union Square 21      |
| 347     | Formwork for Concrete   | Sat | 2:00 pm - 5:00 pm   | Continental 7        |
| 347     | Formwork for Concrete   | Sun | 8:00 am - 12:00 pm  | Continental 7        |
| 347-TG1 | Void Form Methods Task Group                                  | Sun | 12:00 pm - 2:00 pm  | Presidio             |
| 348     | Structural Reliability and Safety                             | Mon | 1:30 pm - 3:00 pm   | Union Square 5 & 6   |
| 349     | Concrete Nuclear Structures                                   | Tue | 1:30 pm - 5:00 pm   | Imperial A           |
| 349-A   | Nuclear Structures-Materials                                  | Tue | 1:00 pm - 4:30 pm   | Nob Hill 2 & 3       |
| 349-B   | Nuclear Structures-Design                                     | Tue | 1:00 pm - 4:30 pm   | Nob Hill 2 & 3       |
| 349-C   | Nuclear Structures-Anchorage                                  | Mon | 7:00 am - 10:00 am  | Nob Hill 2 & 3       |
| 350     | Environmental Engineering Concrete Structures                 | Wed | 11:00 am - 5:00 pm  | Golden Gate 4 & 5    |
| 350-D   | 350 Subcommittee – Design Considerations                      | Sun | 1:30 pm - 5:30 pm   | Union Square 1 & 2   |
| 350-G   | 350 Subcommittee – Tightness Testing                          | Mon | 8:00 am - 9:00 am   | Continental 8        |
| 350-H   | 350 Subcommittee – Editorial                                  | Tue | 12:30 pm - 2:00 pm  | Golden Gate 6        |
| 350-J   | 350 Subcommittee – Education                                  | Tue | 4:00 pm - 5:30 pm   | Union Square 13      |
| 350-K   | 350 Subcommittee – Containment of Hazardous Materials         | Mon | 8:00 am - 9:00 am   | Continental 8        |
| 350-L   | 350 Subcommittee – Specification                              | Tue | 4:00 pm - 6:00 pm   | Golden Gate 1        |
| 350-SC  | 350 Subcommittee – Steering                                   | Sun | 8:30 am - 10:00 am  | Franciscan D         |
| 350C    | Environmental Engineering Concrete Structure Code             | Wed | 11:00am - 5:00pm    | Golden Gate 4 & 5    |
| 350C-A  | Safety, Strength & Serviceability                             | Mon | 12:00 pm - 4:30 pm  | Nob Hill 2 & 3       |
| 350C-B  | Members, Joints & Anchors                                     | Sun | 10:00 am - 1:00 pm  | Golden Gate 2        |

# Numerical Committee Meeting Listing

For detailed program information and program changes, download the \*ALL-NEW\* Convention App.

| Code    | Committee   | Day | Time                | Room Name            |
|---------|---|-----|---------------------|----------------------|
| 350C-C  | Materials and Durability  | Mon | 8:30 am - 12:00 pm  | Union Square 19 & 20 |
| 350C-D  | Code Editorial  | Tue | 12:30 pm - 2:00 pm  | Golden Gate 6        |
| 350C-E  | Precast-Prestress   | Tue | 1:00 pm - 3:00 pm   | Union Square 3 & 4   |
| 350C-F  | Seismic   | Tue | 8:30 am - 12:00 pm  | Union Square 5 & 6   |
| 351     | Foundations for Equipment and Machinery                                   | Tue | 11:30 am - 1:00 pm  | Union Square 22      |
| 351-A   | Foundations for Static Equipment  | Tue | 10:00 am - 11:30 am | Union Square 22      |
| 351-B   | Grouting between Foundations & Equipment Bases                            | Tue | 8:00 am - 10:00 am  | Golden Gate 1        |
| 351-C   | Equipment Foundations – Dynamic Foundations                               | Mon | 4:30 pm - 6:30 pm   | Continental 8        |
| 352     | Joints and Connections in Monolithic Concrete Structures (Joint ACI-ASCE) | Sun | 2:00 pm - 5:00 pm   | Golden Gate 8        |
| 352-TG1 | Slab-Column Joints & Connections  | Mon | 12:00 pm - 1:30 pm  | Continental 7        |
| 352-TG2 | Beam-Column Joints & Connections  | Mon | 1:30 pm - 3:00 pm   | Seacliff             |
| 355     | Anchorage to Concrete   | Sun | 1:00 pm - 5:00 pm   | Continental 7        |
| 357     | Offshore and Marine Concrete Structures                                   | Tue | 8:00 am - 11:00 am  | Golden Gate 2        |
| 357-TG2 | ACI 357.2R-10 Revision  | Mon | 1:00 pm - 2:00 pm   | Union Square 1 & 2   |
| 360     | Design of Slabs on Ground   | Mon | 2:00 pm - 6:00 pm   | Imperial B           |
| 362     | Parking Structures  | Mon | 12:30 pm - 4:30 pm  | Continental 8        |
| 362-A   | Updating Guide for Structural Maintenance of Parking Structures           | Sun | 1:00 pm - 4:00 pm   | Continental 9        |
| 363     | High-Strength Concrete  | Sun | 2:30 pm - 5:00 pm   | Franciscan C         |
| 364     | Rehabilitation  | Mon | 3:00 pm - 6:00 pm   | Union Square 15 & 16 |
| 364-A   | Editorial Subcommittee  | Mon | 1:00 pm - 2:30 pm   | Golden Gate 3        |
| 364-C   | TechNote Subcommittee   | Mon | 1:00 pm - 2:30 pm   | Golden Gate 3        |
| 364-TG2 | Guide to Rehabilitation of Historic Concrete TG                           | Mon | 11:00 am - 12:00 pm | Nob Hill 2 & 3       |
| 365     | Service Life Prediction   | Mon | 9:00 am - 12:00 pm  | Continental 8        |
| 369     | Seismic Repair and Rehabilitation   | Mon | 2:00 pm - 6:00 pm   | Continental 3        |
| 369-A   | General Provision   | Sun | 10:00 am - 12:00 pm | Union Square 25      |
| 369-C   | Frames  | Sun | 1:00 pm - 3:00 pm   | Nob Hill 10          |
| 369-D   | Walls   | Sun | 10:00 am - 12:00 pm | Union Square 13      |
| 369-E   | Diaphragms and Foundations  | Sun | 3:00 pm - 5:00 pm   | Nob Hill 10          |
| 369-F   | Retrofit  | Sun | 3:00 pm - 5:00 pm   | Union Square 3 & 4   |
| 370     | Blast and Impact Load Effects   | Sun | 3:00 pm - 5:00 pm   | Imperial A           |
| 370-TG2 | Reauthorization of 370 Primary Document Task Group                        | Sun | 10:00 am - 12:00 pm | Continental 6        |
| 372     | Tanks Wrapped with Wire or Strand   | Tue | 2:00 pm - 4:00 pm   | Golden Gate 1        |
| 374     | Performance-Based Seismic Design of Concrete Buildings                    | Mon | 8:30 am - 12:00 pm  | Continental 7        |
| 374-A   | Functional Recovery   | Sun | 3:30 pm - 5:30 pm   | Nob Hill 4 & 5       |
| 374-B   | Guide to Nonlinear Modeling   | Sun | 1:00 pm - 2:00 pm   | Golden Gate 2        |
| 375     | Performance-Based Design of Concrete Buildings for Wind Loads             | Mon | 10:30 am - 12:30 pm | Nob Hill 10          |
| 376     | Concrete Structures for Refrigerated Liquefied Gas Containment            | Sun | 1:00 pm - 4:00 pm   | Nob Hill 2 & 3       |
| 376-01  | Steering Subcommittee   | Sun | 8:30 am - 9:30 am   | Nob Hill 2 & 3       |
| 376-A   | Code, Education & Publication Subcommittee                                | Sun | 9:30 am - 12:00 pm  | Nob Hill 2 & 3       |
| 378     | Concrete Wind Turbine Towers  | Mon | 8:30 am - 10:00 am  | Golden Gate 2        |
| 380     | Structural Plain Concrete   | Sun | 1:00 pm - 3:00 pm   | Union Square 3 & 4   |
| 408     | Bond and Development of Steel Reinforcement (Joint ACI-ASCE)              | Sun | 8:30 am - 11:30 am  | Union Square 19 & 20 |

# Numerical Committee Meeting Listing

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| Code    | Committee  | Day | Time                | Room Name            |
|---------|--|-----|---------------------|----------------------|
| 408-A   | Mechanical Reinforcing Bar Anchorages and Splices                          | Sun | 1:30 pm - 3:30 pm   | Golden Gate 5        |
| 423     | Prestressed Concrete (Joint ACI-ASCE)                                      | Mon | 8:30 am - 12:30 pm  | Union Square 17 & 18 |
| 423-E   | Prestress Losses   | Sun | 10:00 am - 12:00 pm | Nob Hill 4 & 5       |
| 423-G   | Specification for Unbonded Single-Strand Tendon Materials                  | Mon | 2:00 pm - 6:00 pm   | Nob Hill 10          |
| 435     | Deflection of Concrete Building Structures                                 | Mon | 3:00 pm - 6:00 pm   | Union Square 5 & 6   |
| 437     | Strength Evaluation of Existing Concrete Structures                        | Mon | 10:30 am - 12:30 pm | Union Square 21      |
| 437-A   | Test Database  | Mon | 8:30 am - 10:00 am  | Nob Hill 10          |
| 439     | Steel Reinforcement  | Mon | 8:30 am - 10:30 am  | Continental 3        |
| 439-A   | Steel Reinforcement-Wire   | Sun | 3:30 pm - 5:00 pm   | Union Square 21      |
| 440     | Fiber-Reinforced Polymer Reinforcement                                     | Tue | 9:00 am - 12:00 pm  | Imperial A           |
| 440-F   | FRP-Repair-Strengthening   | Mon | 1:00 pm - 4:00 pm   | Imperial A           |
| 440-H   | FRP-Reinforced Concrete  | Sun | 2:30 pm - 5:00 pm   | Continental 1 & 2    |
| 440-I   | FRP-Prestressed Concrete   | Sun | 10:30 am - 12:00 pm | Union Square 15 & 16 |
| 440-J   | FRP Stay-in-Place Forms  | Sun | 12:30 pm - 2:30 pm  | Union Square 15 & 16 |
| 440-K   | FRP-Material Characteristics   | Mon | 9:30 am - 12:00 pm  | Golden Gate 4 & 5    |
| 440S    | Fiber Reinforced Polymer Repair and Rehabilitation of Concrete Code        | Tue | 1:00 pm - 4:00 pm   | Golden Gate 7        |
| 441     | Reinforced Concrete Columns (Joint ACI-ASCE)                               | Mon | 2:30 pm - 5:00 pm   | Nob Hill 6 & 7       |
| 444     | Structural Health Monitoring   | Tue | 8:00 am - 11:00 am  | Nob Hill 2 & 3       |
| 445     | Shear and Torsion (Joint ACI-ASCE)   | Mon | 2:00 pm - 6:00 pm   | Union Square 17 & 18 |
| 445-A   | Shear & Torsion – Strut & Tie  | Sun | 10:00 am - 12:00 pm | Golden Gate 4        |
| 445-B   | Shear & Torsion – Seismic Shear  | Sun | 11:00 am - 12:30 pm | Union Square 5 & 6   |
| 445-C   | Shear & Torsion – Punching Shear   | Sun | 1:00 pm - 3:00 pm   | Continental 3        |
| 445-TG1 | Shear & Torsion – 445.3r-23 Task Group                                     | Mon | 8:00 am - 11:00 am  | Union Square 25      |
| 447     | Finite Element Analysis of Reinforced Concrete Structures (Joint ACI-ASCE) | Mon | 11:30 am - 1:30 pm  | Franciscan D         |
| 506     | Shotcreting  | Tue | 8:30 am - 11:30 am  | Franciscan D         |
| 506-A   | Shotcreting – Evaluation   | Mon | 10:30 am - 11:30 am | Continental 3        |
| 506-C   | Shotcreting – Guide  | Mon | 8:30 am - 10:30 am  | Franciscan C         |
| 506-E   | Shotcreting – Specifications   | Mon | 8:30 am - 10:30 am  | Franciscan C         |
| 506-F   | Shotcreting – Underground  | Mon | 2:30 pm - 3:30 pm   | Continental 9        |
| 506-H   | Shotcreting – Pools  | Sun | 10:00 am - 11:00 am | Golden Gate 5        |
| 515     | Protective Systems for Concrete  | Tue | 9:00 am - 11:00 am  | Golden Gate 4 & 5    |
| 522     | Pervious Concrete  | Tue | 8:00 am - 11:00 am  | Union Square 19 & 20 |
| 523     | Cellular Concrete  | Tue | 9:00 am - 11:00 am  | Union Square 25      |
| 524     | Plastering   | Mon | 8:30 am - 10:00 am  | Golden Gate 6        |
| 533     | Precast Panels   | Mon | 10:00 am - 11:30 am | Franciscan D         |
| 543     | Concrete Piles   | Mon | 8:30 am - 11:30 am  | Golden Gate 7        |
| 544     | Fiber Reinforced Concrete  | Tue | 3:30 pm - 5:30 pm   | Golden Gate 4 & 5    |
| 544-A   | FRC-Production & Applications  | Mon | 12:30 pm - 2:00 pm  | Continental 3        |
| 544-B   | FRC Education  | Sun | 4:00 pm - 5:30 pm   | Union Square 15 & 16 |
| 544-C   | FRC-Testing  | Tue | 2:00 pm - 3:30 pm   | Golden Gate 4 & 5    |
| 544-D   | FRC-Structural Uses  | Tue | 12:00 pm - 1:30 pm  | Franciscan D         |
| 544-E   | FRC-Emerging Technologies  | Mon | 4:00 pm - 5:30 pm   | Franciscan D         |
| 544-F   | FRC-Durability   | Tue | 10:30 am - 12:00 pm | Union Square 1 & 2   |

# Numerical Committee Meeting Listing

For detailed program information and program changes, download the \*ALL-NEW\* Convention App.

| Code   | Committee   | Day | Time                | Room Name            |
|--------|---|-----|---------------------|----------------------|
| 544-SC | FRC-Steering Committee  | Mon | 8:00 am - 9:00 am   | Continental 9        |
| 546    | Repair of Concrete  | Mon | 9:00 am - 11:30 am  | Continental 9        |
| 546-B  | Repair-Material Selection Guide                                     | Sun | 10:00 am - 12:00 pm | Franciscan D         |
| 546-C  | Repair-Guide  | Sun | 9:00 am - 10:00 am  | Continental 6        |
| 548    | Polymers and Adhesives for Concrete                                 | Tue | 8:30 am - 11:30 am  | Nob Hill 1           |
| 548-A  | Polymers-Overlays   | Mon | 10:00 am - 12:00 pm | Golden Gate 2        |
| 548-B  | Polymers-Adhesives  | Mon | 3:00 pm - 5:00 pm   | Union Square 25      |
| 549    | Thin Reinforced Cementitious Products and Ferrocement               | Sun | 10:00 am - 12:00 pm | Imperial A           |
| 549-K  | FRCM/SRG Materials Characteristics                                  | Sun | 8:30 am - 10:00 am  | Imperial A           |
| 550    | Precast Concrete Structures (Joint ACI-ASCE)                        | Sun | 3:00 pm - 5:00 pm   | Continental 3        |
| 551    | Tilt-Up Concrete Construction                                       | Sun | 9:00 am - 12:00 pm  | Union Square 23 & 24 |
| 552    | Cementitious Grouting   | Tue | 4:00 pm - 5:30 pm   | Union Square 22      |
| 555    | Concrete with Recycled Materials                                    | Mon | 5:00 pm - 6:30 pm   | Union Square 22      |
| 555-B  | Development of New Technical Report on Removal of Hardened Concrete | Mon | 2:30 pm - 3:30 pm   | Golden Gate 1        |
| 555-C  | Development of New Technical Report on Unbound RCA Applications     | Mon | 4:00 pm - 5:00 pm   | Golden Gate 6        |
| 560    | Design and Construction with Insulating Concrete Forms              | Tue | 8:30 am - 10:30 am  | Union Square 3 & 4   |
| 562    | Evaluation, Repair and Rehabilitation of Concrete Structures        | Sun | 1:00 pm - 4:30 pm   | Union Square 19 & 20 |
| 562-A  | Administration  | Sun | 10:00 am - 12:00 pm | Union Square 3 & 4   |
| 562-C  | Reliability-Based Evaluation  | Sat | 3:00 pm - 5:00 pm   | Continental 9        |
| 562-E  | Seismic   | Sun | 8:00 am - 9:00 am   | Seacliff             |
| 562-F  | Fire  | Sat | 2:00 pm - 4:00 pm   | Golden Gate 6        |
| 562-G  | Repair Design   | Sun | 8:00 am - 10:00 am  | Continental 9        |
| 562-I  | Durability  | Sun | 10:00 am - 11:00 am | Continental 3        |
| 562-J  | Material  | Sun | 11:00 am - 1:00 pm  | Golden Gate 5        |
| 562-L  | Quality Requirements  | Sun | 8:00 am - 9:30 am   | Union Square 3 & 4   |
| 562-SC | Steering Committee  | Sun | 4:30 pm - 5:30 pm   | Union Square 19 & 20 |
| 563    | Specifications for Repair of Structural Concrete in Buildings       | Tue | 1:00 pm - 5:00 pm   | Union Square 15 & 16 |
| 563-H  | Architectural/Precast Concrete                                      | Tue | 11:00 am - 12:00 pm | Golden Gate 6        |
| 563-K  | External Reinforcement  | Tue | 9:00 am - 10:30 am  | Nob Hill 10          |
| 563-L  | Prestressed Concrete  | Sun | 3:00 pm - 4:00 pm   | Marina               |
| 563-M  | Polymer Concrete/Overlays   | Sun | 3:00 pm - 5:00 pm   | Presidio             |
| 563-N  | Protection Systems  | Sun | 4:00 pm - 5:45 pm   | Marina               |
| 563-P  | Corrosion   | Sun | 10:00 am - 12:00 pm | Union Square 14      |
| 563-Q  | Repair of Post Tensioned Concrete                                   | Sun | 10:00 am - 12:00 pm | Union Square 21      |
| 564    | 3-D Printing With Cementitious Materials                            | Mon | 1:00 pm - 3:00 pm   | Continental 1 & 2    |
| 564-A  | Emerging Technology Report  | Tue | 10:00 am - 12:00 pm | Golden Gate 1        |
| 564-B  | Structural Design and Testing                                       | Mon | 8:00 am - 9:30 am   | Continental 1 & 2    |
| 564-C  | Material Testing and Formulation                                    | Mon | 8:00 am - 9:30 am   | Union Square 3 & 4   |
| 565    | Lunar Concrete  | Tue | 1:00 pm - 2:00 pm   | Union Square 1 & 2   |







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