# Table of Contents

**ACI Spring 2007 Convention**  
**April 22-26, 2007**  
**Hilton Atlanta**  
**Atlanta, GA**

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACI Board Committees and Chairs</td>
<td>152</td>
</tr>
<tr>
<td>ACI Board of Direction</td>
<td>2</td>
</tr>
<tr>
<td>ACI Convention Committee</td>
<td>152</td>
</tr>
<tr>
<td>ACI Fall 2007 Convention</td>
<td>19</td>
</tr>
<tr>
<td>ACI Georgia Chapter Board of Directors</td>
<td>12</td>
</tr>
<tr>
<td>ACI Georgia Chapter Convention Committee</td>
<td>13</td>
</tr>
<tr>
<td>ACI President’s Welcome</td>
<td>4</td>
</tr>
<tr>
<td>ACI Registration</td>
<td>15</td>
</tr>
<tr>
<td>ACI Sustaining Members</td>
<td>7</td>
</tr>
<tr>
<td>Awardees</td>
<td>33-36</td>
</tr>
<tr>
<td>City of Atlanta Mayor’s Welcome</td>
<td>5</td>
</tr>
<tr>
<td>Contractors’ Day Lunch</td>
<td>41 &amp; 122</td>
</tr>
<tr>
<td>Convention Sponsors</td>
<td>10</td>
</tr>
<tr>
<td>Exhibitor Floor Plan</td>
<td>Between 22 &amp; 23</td>
</tr>
<tr>
<td>Exhibitor Information</td>
<td>23</td>
</tr>
<tr>
<td>Future ACI Conventions</td>
<td>Outside Back Cover</td>
</tr>
<tr>
<td>General Information</td>
<td>15</td>
</tr>
<tr>
<td>Georgia Governor’s Welcome</td>
<td>6</td>
</tr>
<tr>
<td>Hotel Map</td>
<td>Between 22 &amp; 23</td>
</tr>
<tr>
<td>International Lunch</td>
<td>43 &amp; 141</td>
</tr>
<tr>
<td>Membership Information</td>
<td>14</td>
</tr>
<tr>
<td>Numerical Committee Meeting Listing</td>
<td>67</td>
</tr>
<tr>
<td>Opening Reception</td>
<td>37 &amp; 87</td>
</tr>
<tr>
<td>Opening Session &amp; Awards Program</td>
<td>33 &amp; 86</td>
</tr>
<tr>
<td>Professional Development Hours Form</td>
<td>Between 148 &amp; 149</td>
</tr>
<tr>
<td>Program at a Glance</td>
<td>49</td>
</tr>
<tr>
<td>Session Highlights</td>
<td>79</td>
</tr>
<tr>
<td>Special Events</td>
<td>33</td>
</tr>
<tr>
<td>Student Competitions</td>
<td>33 &amp; 80</td>
</tr>
<tr>
<td>Student Lunch</td>
<td>38 &amp; 102</td>
</tr>
<tr>
<td>Tours and Guest Events</td>
<td>45</td>
</tr>
<tr>
<td>Where’s That Meeting Room?</td>
<td>20</td>
</tr>
</tbody>
</table>
American Concrete Institute
Board of Direction

President
Thomas D. Verti

Vice Presidents
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Luis E. Garcia

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Executive Vice President
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ACI Fall 2007 Convention
October 14-18, 2007
El Conquistador Resort & Spa
Puerto Rico

Puerto Rico—a place for business and pleasure!

For more information about the ACI Fall 2007 Convention, go to www.concrete.org.
ACI Members and Guests—Welcome to Atlanta and the ACI Spring 2007 Convention!

It is our privilege to return to this gorgeous and vibrant metropolitan community that gracefully blends high energy with cosmopolitan sophistication and traditional Southern hospitality.

When we met in Georgia’s capital 10 years ago, we enjoyed a wide variety of world-class attractions, restaurants, and activities. This year, as you share “grits” or “mint juleps” with your ACI friends and acquaintances, we also recommend that you take full advantage of the variety of tours and programs that the local ACI Georgia Chapter has arranged. Enjoy the Taste of the Peach city tour, shopping in the historical district of Buckhead, the Covington’s Mansions and Magnolias tour, strolling the Atlanta Botanical Gardens and the High Museum of Art, and visiting other cultural midtown and scenic attractions. My wife, Lizette, looks forward to meeting ACI guests at Monday afternoon’s Guest Tea.

Take in Atlanta’s beautiful landscape, and consider Hardscape, our theme for this convention. Several sessions will focus on Hardscape. While more than 300 committee meetings are planned this week, don’t miss the student competition on Sunday featuring the Student FRP Composites Competition.

Convention highlights include Sunday’s Opening Session and our Annual Awards Program, followed by the Opening Reception; the Student Lunch on Monday; Tuesday’s Contractors’ Day Lunch and the Concrete Mixer at the Georgia Aquarium; and the International Lunch on Wednesday.

Lizette and I look forward to greeting you in Atlanta. Have a great time at this convention and thank you for your support and contributions to ACI.

Regards,

Thomas D. Verti
ACI President
April 22, 2007

Greetings:

As Mayor of Atlanta, I am pleased to welcome you to the American Concrete Institute’s (ACI) 2007 Convention hosted by the Georgia Chapter of ACI.

This year’s ACI convention will enlighten those in the concrete industry on the latest technology and practices while providing networking opportunities for stronger relationships. The 2007 Convention theme “Hardscapes” speaks to ACI’s dedication to improving the standards and specifications for concrete pavement, environmentally friendly pavers and segmental retaining walls for the enhancement of the urban environment. Thank you for your dedication to improving our community.

While in our city we encourage you to explore the many attractions Atlanta has to offer including: the Martin L. King Jr. Center, the Apex Museum, Underground Atlanta, the Georgia Aquarium, the World of Coca-Cola, CNN Center, Centennial Olympic Park, Woodruff Arts Center, Atlanta Botanical Garden, Children’s Museum of Atlanta, and many more! We invite you to share in our southern hospitality, sample cuisine at our many fine restaurants, and enjoy the rich and diverse heritage of our city.

On behalf of the people of Atlanta, I wish you an exciting event!

Sincerely,

Shirley Franklin
Governor’s Welcome

April 22-26, 2007

GREETINGS:

It is a great pleasure to extend my best wishes on the occasion of the 2007 convention of the American Concrete Institute hosted by the Georgia Chapter.

Allow me to welcome your distinguished guests, speakers, exhibitors, industry professionals, and other attendees to our capital. Atlanta is a beautiful city providing many attractions, including the Georgia Aquarium, the world’s largest; fine dining; historic sites; and various recreational facilities. I hope that you have an opportunity to enjoy some of them while you are here and experience the hospitality that is so much part of our everyday life.

You have my best wishes for a successful and enjoyable 2007 convention.

Sincerely,

Sonny Perdue
ACI Sustaining Members

Expanded Shale, Clay and Slate Institute

Keystone Structural Concrete, Ltd.

Future Tech Consultants

Kleinfelder, Inc.

Lafarge North America

Lehigh Portland Cement Co.

Lithko Contracting, Inc.

Meadow Burke Products, Inc.

W. R. Meadows, Inc.

ICS Penetron International, Ltd.

Municipal Testing Lab
ACI Sustaining Members

Nox-crete
Omya Calcium Carbonate
Oztec Industries, Inc.
Portland Cement Association
Precast/Prestressed Concrete Institute
PNA Construction Technologies Inc.
ProMix Technologies
Propex Concrete Systems
Sika Corp.
Seretta Construction, Inc.
Spurlino Materials
S. K. Ghosh Associates Inc.
St. Lawrence Cement Co.
Structural Preservation Systems
Structural Services, Inc.
Tru Wall Concrete, Inc.
Westroc, Inc.

Sustaining Members listed as of 3/28/07
**Convention Sponsors**

Sponsors are listed as of 3/30/07.

The ACI Georgia Chapter wishes to thank the following organizations for their donations to make the ACI Spring 2007 Convention a success.

<table>
<thead>
<tr>
<th>MPa</th>
<th>Sponsors</th>
</tr>
</thead>
<tbody>
<tr>
<td>70</td>
<td>Georgia Certification &amp; Accreditation Board</td>
</tr>
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<td></td>
<td>Baker Concrete Construction</td>
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<td>The Euclid Chemical Company</td>
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<td>Holcim (US), Inc. Florida/Georgia Region</td>
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<td>Site Technologies, Inc.</td>
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<td>BASF Admixtures</td>
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<td>Boral Material Technologies, Inc.</td>
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<td>L.M. Scofield Company</td>
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<td>ACI New Mexico Chapter</td>
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</table>
Convention Sponsors

Convention sponsors listed as of 3/30/07

25 MPa
ACI British Columbia Chapter
ACI Florida Suncoast Chapter
ACI Greater Miami Valley Chapter
ACI Las Vegas Chapter
ACI Louisiana Chapter
ACI Missouri Chapter
ACI New Jersey Chapter
ACI Northeast Texas Chapter
ACI Northern California/Western Nevada Chapter
ACI Ontario Chapter
ACI San Diego Chapter
ACI Southern California Chapter
APAC, Inc.
Block USA
Carolina Stalite Company
Ernst Enterprises of Georgia
Forta Corporation
Holcim (US) Artesia Plant
Robert Jenkins, PE, FACI
National Cement Company
Performance Concrete Technologies
Ready Mix USA, Georgia Division
Testing, Engineering & Consulting Service, Inc.
United Consulting Group, Ltd
Uzun & Case Engineers, LLC
ACI Georgia Chapter
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Wayne M. Wilson
Holcim (US), Inc.

Past President
Nicholas F. “Nick” Maloof, FACI
Thomas Concrete Industries

Vice President
Frank Lennox
Buzzi Unicem USA, Inc.

Secretary and Education Program Chair
LaGrit F. “Sam” Morris, FACI
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Performance Concrete Technology

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Georgia Concrete and Products Association

Kirk Deadrick
Lafarge North America

Tim Moss
Ready Mix USA, LLC

Certification Liaison
Robert L. Terpening, FACI
ACI Georgia Chapter Convention Committee

Co-Chairs
Mel Galinat, FACI
LaGrit F. “Sam” Morris, FACI
ACI Certification Board

Contractors’ Day
Robin Houghton
Precision Concrete Construction

Exhibits
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Buzzi Unicem USA, Inc.

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Thomas Concrete Industries

Guest Program
Mary Lou Tatnall
Peter Tatnall, FACI
Performance Concrete Technology

Publicity Chair
Gordon Kenna
Georgia Concrete & Products Association

Student Program
Wayne M. Wilson
Holcim (US), Inc.

Technical Program and Concrete Mixer
Gary Knight
Heidelberg Technology Center

Consultants
Bob Kuhlman, FACI
Eugene Boeke, FACI
To give ACI members more of the tools, information, and contacts needed to excel, the American Concrete Institute proudly announces new benefits available to members. When coupled with existing member benefits, ACI membership includes:

- Concrete Knowledge Center—Instant access to help using ACI 318
- Free CEUs Online
- Free Downloads of ACI Documents and Archived Papers
- Periodical Options
- Membership Directory
- Career Center

Visit the ACI Bookstore located in the Galleria Exhibit Hall to learn more about what’s included in ACI membership.

Students!

ACI offers free Student electronic membership. For details on the connections, resources, and opportunities available to Students, visit:

www.students.concrete.org
**General Information**

**ACI Registration**

ACI staff are available to answer your convention questions at the ACI Registration Desk during the following hours:

- **Saturday** 2:00 pm - 6:00 pm
- **Sunday** 7:30 am - 5:00 pm
- **Monday and Tuesday** 8:00 am - 5:00 pm
- **Wednesday** 8:00 am - 12:00 pm

**Name Badges**

ACI uses color-coded name badges to identify attendees. Name badges are as follows:

- **Member**: Blue
- **Attendee**: Black
- **Fellow**: Green
- **Honorary Member**: Red
- **Staff**: Orange
- **Guest**: Tan
- **Student**: Green Ribbon

**Attention ACI Attendees!**

First-time convention attendees have a 🧡 on their name badge. Please welcome them to the convention!

**Emergencies**

In the event of an emergency, we kindly request that you do NOT dial 9-1-1. Please go to the nearest house phone to contact Hilton Security at extension 1-1-8-8.

**Beverage Breaks**

Beverages will be available at the following times:

- **Saturday** 2:00 pm - 5:00 pm
- **Sunday-Tuesday** 7:30 am - 10:30 am and 1:00 pm - 4:00 pm
- **Wednesday** 7:30 am - 10:30 am

**Alcohol Policy**

Non-alcoholic beer and soft drinks are available at all ACI-sponsored receptions. Alcohol will not be served to anyone under the age of 21.
General Information

ACI Bookstore
Visit the ACI Bookstore during the following hours:

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

Career Center
Looking for a job or an employee? Visit the Galleria Exhibit Hall to view ACI’s NEW Online Career Center. This job search engine is specifically targeted to the concrete industry. Job seekers, you’ll have an opportunity to post your resume and to view, apply for, and save available jobs. Employers, you’ll have the opportunity to post job openings, post internships FREE of charge, target the individuals you want to attract, and possibly meet with candidates.

Cyber Café and Wireless Hot Spot
Stay connected to home and work! Take advantage of the Cyber Café and FREE wireless hot spot available during the following hours:

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

A FREE wireless hot spot will be available in the Galleria Exhibit Hall. To access the wireless connection, look for ACI Cybercafe 1 or ACI Cybercafe 2 in your network connections.

Session Handouts on Demand
NEW to this convention is Session Handouts on Demand. Session handouts are now available via the ACI website. Stop by the Cyber Café or go to www.concrete.org to download or print a copy of the handouts for the sessions you plan to attend.

Local Information and ACI Georgia Chapter
ACI Georgia Chapter members will be happy to answer questions and recommend restaurants nearby. Stop by their information desk during the following hours:

- Saturday 2:00 pm - 6:00 pm
- Sunday - Tuesday 8:00 am - 5:00 pm
General Information

Membership Information
ACI Bookstore – Galleria Exhibit
To learn MORE about the new ACI membership benefits and how to become a member, visit the ACI Bookstore in the Galleria Exhibit Hall.

Hotel Restaurants and Lounges

Café Express
If you’re in a hurry, Café Express is the perfect place to visit for snacks, Starbucks® coffee, and other beverages. Choose from whole fruit, sandwiches, salads, tea, juice, and other treats that are sure to satisfy.

Le Café
Stop by Le Café for convenient, casual dining for breakfast, lunch, or dinner. Choose from a menu of delicious American fare, featuring chicken, steak, and pasta dishes. Le Café is open from 6:00 am to 12:00 am daily.

Trader Vic’s
Experience the tropics at Trader Vic’s, the creator of the world-famous Mai Tai. Palm trees, tiki torches, and Polynesian wood carvings accompany savory cuisine. Trader Vic’s is open for dinner Monday through Saturday from 5:30 pm to 11:00 pm.

Nikolai’s Roof
Nikolai’s Roof, an Atlanta tradition in fine dining for over 25 years, serves innovative cuisine, using the freshest ingredients for dinner, open Tuesday through Thursday from 5:30 pm to 10:30 pm. Reservations are recommended, as well as a jacket and tie.

Casablanca Lounge
Casablanca Lounge is the ideal place to meet after a busy, productive day or before dinner. Casablanca Lounge is open from 4:00 pm to 2:00 am Monday through Saturday and 4:00 pm to 12:00 am on Sunday.

Transportation Around Town
Taxis are available from the main lobby to any location of your choice.

MARTA is the bus and rail service for downtown Atlanta and the surrounding suburbs. A stop is two blocks from the hotel at Peachtree Center. Fares are $1.75. Trains run at 10- to 20-minute intervals (depending on the time of day) from 5:00 am to 1:00 am Monday through Friday and 5:00 am to 12:30 am on the weekends. To learn more about MARTA, go to www.itsmarta.com.
General Information

Airport Transportation
The Atlanta Link is the sole shuttle operator at the airport that serves Downtown, Midtown, and Buckhead. The rates to Downtown are $16.50 (one way) and $29.00 (roundtrip), Midtown $18.50 and $33.00, and Buckhead $20.50 and $37.00. Hotel pick-up times are twice an hour at 30-minute intervals from the Downtown hotels and once an hour from the Midtown and Buckhead hotels. For pickups after 5:00 pm from the hotel, please call to arrange a pick-up time. Should you have any questions or difficulty locating the booth at the airport, please feel free to call their offices at 1-404-524-3400. To receive a $2.00 discount off the roundtrip fare, go to the following link: http://hudsonltd4.com/cgi-bin/al1/res?USERIDENTRY=ACI&LOGON=GO.

Taxis to the airport are approximately $30 one way.

NEW!

Recycling
Go green with ACI! ACI is recycling name badge holders, convention bags, and paper at this convention. Drop these items in the blue bins located in the Galleria Exhibit Hall.

Galleria Exhibit

Professional Development Hours (PDHs)
You can earn PDHs by participating in the sessions in Atlanta. Simply fill out the PDH form found in your registration packet, or between pages 143 and 144, and submit it to your local registration board. PDHs are a nationally recognized unit of record in non-credit professional development programs.

Schedule Changes
Cancellations, additions, and location changes to the convention schedule will be posted daily on plasma screens in the Galleria Exhibit Hall.
General Information

Speaker Ready Room

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

- Saturday-Tuesday: 7:00 am - 7:00 pm
- Wednesday: 7:00 am - 3:00 pm

All speakers are requested to check in at the Speaker Ready Room 1 day prior to their session to ensure that:
- ACI has downloaded their presentation on the network in the session rooms; and
- Speakers’ session handouts are downloaded onto the ACI website.

Also note that FedEx Kinko’s is located on the lobby level of the Hilton. FedEx Kinko’s is open Monday through Friday from 6:30 am to 11:00 pm, Saturday from 9:00 am to 5:00 pm, and Sunday from 11:00 am to 7:00 pm.

Student Lounge

The Student Lounge is a great place to relax, meet other students, and enjoy refreshments in-between activities.

ACI Fall 2007 Convention Information

The ACI Puerto Rico Chapter and Puerto Rico Tourism Company will be available to answer your questions about Puerto Rico and activities at the fall convention. Mark your calendars for October 14-18, 2007!
Where’s That Meeting Room?

Below 1st Floor/Lobby

<table>
<thead>
<tr>
<th>Room Name</th>
<th>Abbreviation</th>
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<tbody>
<tr>
<td>Galleria Exhibit Hall</td>
<td>Galleria Exhibit</td>
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1st Floor/Lobby

<table>
<thead>
<tr>
<th>Room Name</th>
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<td>Executive Boardroom</td>
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<td>Crystal Ballroom A</td>
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<td>Crystal Ballroom C</td>
<td>Crystal C</td>
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<td>Crystal Ballroom D</td>
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<td>Crystal Ballroom F</td>
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2nd Floor

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<td>Grand Ballroom</td>
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<td>Grand Salon E</td>
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2nd Floor, Southern Court Rooms

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<th>Abbreviation</th>
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<td>Fayette</td>
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<td>Newton</td>
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<td>Rockdale</td>
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<td>Henry</td>
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2nd Floor, Northern Court Rooms

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<td>Paulding</td>
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<td>Dekalb</td>
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<td>Gwinnett</td>
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Where’s That Meeting Room?

3rd Floor, Presidential Court
Adams
Washington
Jefferson
Roosevelt
Monroe
Madison
Jackson
Carter
Adams
Washington
Jefferson
Roosevelt
Monroe
Madison
Jackson
Carter

4th Floor, Executive Conference Rooms
Board Room
Directors Room
Embassy Room
Cabinet Room
Congressional Room
Council Room
Club Room
State Room
Legislative Room
Board
Directors
Embassy
Cabinet
Congressional
Council
Club
State
Legislative
ACI’s Online Career Center brings together great job opportunities and great candidates.

This job search engine is specifically targeted to the concrete industry.

- Easy online job management
- Resume searching access
- Company awareness
- FREE Student Internships

Don’t miss this unique opportunity to be seen by an exclusive audience of the industry’s best and brightest! Visit www.concrete.org or stop by the Career Center in the Galleria Exhibit Hall.
Exhibitors listed as of 3/29/07

Exhibitors

The ACI Georgia Chapter and the American Concrete Institute wish to thank all exhibitors for their participation and support of the ACI Spring 2007 Convention. Exhibitors are listed as of 3/29/07.

Exhibit Hours

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Saturday</td>
<td>2:00 pm - 6:00 pm</td>
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<tr>
<td>Sunday</td>
<td>8:00 am - 5:00 pm and 6:30 pm - 7:30 pm</td>
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<tr>
<td>Monday and Tuesday</td>
<td>8:00 am - 5:00 pm</td>
</tr>
<tr>
<td>Wednesday</td>
<td>8:00 am - 12:00 pm</td>
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Exhibitor Listing

Federal Highway Administration Mobile Concrete Testing Lab

Harris Street

The Federal Highway Administration’s Mobile Concrete Laboratory (MCL) is a technology transfer program designed to bridge the gap between a technology’s developmental phase and its implementation phase by introducing innovative concrete testing equipment to our partners at the State Highway Agencies (SHAs), industry organizations, and academia. The MCL accomplishes this mission by providing on-site testing to complement state-of-practice testing, training SHA personnel in the use of new technologies, overseeing an equipment loan program to SHA personnel, and showcasing innovative equipment at conferences and SHA facilities. The MCL is a fully functional laboratory uniquely housed inside a 50 foot trailer that is equipped with both conventional and innovative fresh and hardened concrete testing equipment. The FHWA’s Office of Pavement Technology is pleased to present its newest Mobile Concrete Laboratory in its first public appearance at the ACI Spring 2007 Convention. Please stop by and tour the MCL between 12:00 pm and 5:00 pm on Sunday or 9:00 am and 5:00 pm Monday through Wednesday.

American Association for Laboratory Accreditation (A2LA)

Booth #709

A2LA is a private, non-profit membership organization whose primary mission is to provide comprehensive accreditation for laboratories, inspection bodies, proficiency testing providers, reference materials producers, and product certification bodies. Assessments are conducted using international standards and specific requirements developed in cooperation with government and industry.
Exhibitors listed as of 3/29/07

AXIM Italcementi Group
Recognized as a sustainable partner by customers for over 20 years, AXIM Concrete Technologies operates as a key component of ESSROC Cement Corp. and Italcementi Group. Founded in 1985, with the purpose of providing the concrete industry with quality products as well as extensive technical service and support, AXIM is now the largest admixture supplier in many of its markets.

BASF Construction Chemicals, LLC
The admixture systems business of BASF Construction Chemicals is a leading provider of innovative additives for specialty concrete used in ready mixed, precast, manufactured concrete products; underground construction; and paving markets throughout the NAFTA region. The company’s respected Master Builders brand products are used to improve the placing, pumping, finishing, appearance, and performance characteristics of concrete.

Boral Material Technologies, Inc.
Boral Material Technologies, Inc. is a major processor and marketer of coal combustion products in the U.S. With over 40 years of marketing experience, Boral is committed to supplying quality products broadly supported with skilled technical sales professionals. To meet both their customers' present and future needs with coal combustion products, Boral continues its commitment to customer-based research and development and broad-based marketing programs.

Burgess Pigment Company
Burgess Pigment Company is the manufacturer of Optipozz, a pozzolanic metakaolin used to improve compressive and flexural strength, durability, chemical resistance, and trowelability of high-strength mixture designs.

CAB/Southface
Southface promotes sustainable homes, workplaces and communities through education, research, advocacy and technical assistance. We encourage marketplace transformation for sustainable practices through our EarthCraft House program (a residential standard for healthy, efficient design.) In addition, our Commercial Green Building Services Team provides LEED administration and building science consulting.
Exhibitors listed as of 3/29/07

Cargill Safelane Booth #600
Safelane™ Surface Overlay System is a patented polymer pavement overlay that reduces ice or frost formation on its surface while protecting infrastructure from corrosion and chloride intrusion. A polymer epoxy is mixed with aggregate and applied to pavement surfaces. This aggregate has the unique ability to store deicing liquids and release them when weather conditions demand it. The result is safer, more durable roads and bridges that are easier to maintain.

Carolina Stalite Company Booth #501
Carolina Stalite Company produces rotary kiln expanded slate aggregate for lightweight structural concrete and lightweight concrete masonry units. This low absorption, high-performance aggregate has been used in projects across the U.S., Canada, and Europe.

CMEC Booth #107
CMEC is a not-for-profit organization whose goal is to improve the quality of the production, inspection, and testing of construction materials through its accreditation, education, and certification programs. Created in 1983, CMEC has evolved into a complete source for concrete, aggregate, asphalt, earthwork, chemical, and masonry testing laboratories for accreditation, proficiency sampling, technician certification, and education.

ConcreteCareers.com Booth #608
ConcreteCareers.com, Inc. is a full-service, executive, industry-specific, search, and recruiting firm. Since 1976, Concrete Careers has been a supplement to the concrete industry’s human resource expertise by identifying and matching individual talents, abilities, and experience for specific staffing requirements.

Dayton Superior Corp. Booth #708
Dayton Superior Corp. is the leading manufacturer of chemicals, accessories for concrete, and masonry and highway pavement products in the industry.

Decon USA, Inc. Booth #702
Decon USA, Inc. is the original developer of the Studrail system for punching shear at slab-to-column connections. Studrails are also increasingly used in place of hairpins at banded P/T anchors. Both applications result in labor savings, increased performance, and reduced congestion.
Exhibitors

Exhibitors listed as of 3/29/07

**Durafiber, Inc.**

Booth #710
Durafiber, Inc. furnishes fibers for ready mix concrete plants.

**Engineered Restorations, Inc.**

Booth #711
Engineered Restorations, Inc., is a specialty contracting and consulting company that provides restoration, repair, and protection services for structures of all types. Remedial service capabilities include restoration and waterproofing of commercial buildings, industrial floor repair and maintenance, concrete repair and grouting for structures of all types, and geotechnical improvements.

**The Euclid Chemical Co.**

Booth #200
The Euclid Chemical Co. provides concrete specialty products worldwide. They include admixtures, curing compounds, floor and slab hardeners, repair materials, corrosion inhibitors, and solutions.

**Fibrwrap Construction, Inc.**

Booth #602
Fibrwrap Construction, Inc. (FCI) is a full-service structural renovation company, globally recognized for providing turn-key, design-build structural repairs. Since 1988, FCI has been the industry leader specializing in fiber-reinforced polymer strengthening, offering a range of cost-effective solutions to owners, engineers, and contractors.

**FORTA Corporation**

Booth #705
FORTA Corporation was founded in 1978. FORTA is the oldest synthetic fiber-reinforcement producer in the country. FORTA Corporation has grown to become a worldwide leader in synthetic fiber research and development. The most recent innovation is FORTA Ferro, a macro-synthetic fiber that allows for a higher replacement level of conventional steel reinforcement.

**Germann Instruments, Inc.**

Booth #101 and 103
Germann Instruments, Inc., is a leading manufacturer and distributor of in-place nondestructive testing equipment for the investigation of plain and reinforced concrete structures. Our systems include LOK-TEST for compressive strength, AVA for air-void analysis, DOCter and s'MASH for structural defects, RapiCor for corrosion rate, and RCT for in-place chloride testing.

**Headwaters Resources**

Booth #408
Kestrel Pocket Weather Meters  Booth #409
Kestrel Pocket Weather Meters are portable, handheld instruments that measure a variety of weather conditions that are crucial for concrete professionals. Temperature, humidity, and wind velocity determine if plastic shrinkage of concrete is likely. To prevent shrinkage cracking, it is imperative to monitor the weather conditions prior to placement right at the point of placement. Kestrel Pocket Weather Meters are an ideal instrument for accurate, portable, weather information. Kestrel Pocket Weather Meters has been researching, designing, and manufacturing Kestrels for over 10 years. All units are made in the U.S. and come with a 2-year warranty.

Kryton International  Booth #704
Kryton International is the world’s leading developer, manufacturer, and distributor of concrete waterproofing solutions. Worldwide Kryton is helping engineers, architects, contractors, and owners to save time and money by providing durable, long-term, reliable solutions. Featured Crystalline product systems include: Concrete Crack Repair and Surface Treatment, Waterproofing Admixture, and Jointing System.

Lafarge  Booth #508
Lafarge is the largest diversified supplier of construction materials in the U.S. and Canada. The company’s products, including a full line of cements, cement-related materials, and concrete, are used for residential, commercial, institutional, and public works construction.

L.M. Scofield Company  Booth #303

MALA  Booth #208
MALA GeoScience is the world leader in ground penetrating radar (GPR). Come see our CX-Concrete GPR with the new 2.3 GHz transducer. The new FCC-approved 2.3 GHz transducer is the highest frequency and highest resolution GPR system in the world.
Exhibitors

Exhibitors listed as of 3/29/07

Nawkaw Corporation  Booth #714
Nawkaw provides concrete staining applications for renovation, restoration, decorative color, graffiti removal and resistance, and custom color blending. Multiple layered finishes, sand-like coating, and metal fleck are also available. Nawkaw celebrates its 20th anniversary this year as a full-service company, manufacturing its own proprietary product line.

Olson Engineering, Inc.  Booth #301
Olson Engineering, Inc., has become an industry leader in non-destructive evaluation and internal condition assessment of civil structures and infrastructure. Olson Instruments is a pioneer in research and development of non-destructive evaluation and testing software and hardware. Visit our booth for more information and a hands-on demonstration.

Omya Canada Inc.  Booth #712
Omya is the worldwide leader in high quality calcium carbonate. Ultrafine calcitic limestone fillers can be used to optimize the particle packing of a concrete mixture design. It improves green strength, finishes, fluidity, and workability. It reduces excessive bleeding and segregation. Savings can be achieved through cementitious content reduction. For more information, visit www.omya.com.

Propex Concrete Systems  Booth #403
With over 25 billion square feet of fiber-reinforced concrete placed around the world, Propex Concrete Systems is the international leader in fiber-reinforced concrete technologies. Propex creates advantages for our customers in the markets it serves by finding solutions to their greatest technical challenges and providing exceptional service and expertise from initial order to end-use application. Propex creates the advantages that create success. For more information, visit www.fibermesh.com.

QuakeWrap Inc.  Booth #706
QuakeWrap Inc.’s award-winning technology provides solutions for the repair and strengthening of structures at a fraction of the time and cost of conventional methods. Within one integrated process, QuakeWrap’s highly-skilled engineers and construction crew create solutions specifically tailored to satisfy clients, including: Coca Cola, Trump Towers, and United Airlines.
Exhibitors

Exhibitors listed as of 3/29/07

Sika Corporation Booth #400
Sika Corporation Construction Products Division, Lyndhurst, NJ, is a technology leader with over 90 years of experience in concrete materials and restoration technology. Sika’s product line includes concrete admixtures, sealants, adhesives, corrosion inhibitors and total corrosion management products, specialty mortars, epoxy resins, structural strengthening systems, grouts, anchoring adhesives, resinous flooring and wood floor adhesive systems, and installation products. Full service sales and technical offices support customers worldwide. Please visit the Sika Corporation Construction Products Division website at www.sikaconstruction.com.

Silica Fume Association Booth #105
The Silica Fume Association, through a cooperative agreement with the Federal Highway Administration (FHWA), provides high-performance concrete technology to transportation departments and the concrete construction community.

Slag Cement Association Booth #202
The Slag Cement Association (SCA) represents suppliers of slag cement in the U.S. The SCA provides technical resources for design and construction professionals so they can optimize the use of slag cement in concrete. Slag cement enhances the strength, durability, and sustainability of concrete.

Southeast Cement Association (SCA) Booth #503
SCA provides technical and construction resources for innovative street, road, and pavement projects, offering economical solutions for stronger pavements.

SPEX SamplePrep LLC Booth #402
Tired of the same old grind? SPEX SamplePrep LLC manufactures a line of laboratory mills and grinding containers used for rapid grinding of cement and other brittle materials to analytical fineness. When used in conjunction with our line of pressing and pelletizing equipment, our mills can solve your sample preparation needs.
Exhibitors

Exhibitors listed as of 3/29/07

TEC Services, Inc. Booth #500
TEC Services, Inc., is an independent engineering, consulting, and testing group focused on meeting the quality requirements of today's industry. Services include:

- American Association of State Highway and Transportation Officials (ASHTO)-accredited lab testing of concrete, cements, aggregates, and construction products;
- Petrographic evaluation of hardened concrete and mortar;
- Nondestructive testing and materials evaluation; and
- Structural evaluations and repair design.

Vector Corrosion Technologies Booth #701
Vector Corrosion Technologies provides products and services for concrete corrosion protection. Our innovative solutions include electrochemical chloride extraction, impressed current cathodic protection, and an array of galvanic protection systems, including embedded galvanic anodes, galvanic jackets, and activated arc-spray zinc metallizing. Vector also provides corrosion evaluation and mitigation of post-tension corrosion. Contact Vector at 813-830-7566 or visit www.vector-corrosion.com.

Vitro Minerals Booth #707
Vitro Minerals specializes in advanced pozzolans for high-performance concrete applications including white cement concrete and building products used for architectural panels, cast stone, synthetic stone veneers, roofing tiles, mortars, stucco, grouts, and other white and tinted concrete decorative products. These high-performance white pozzolans are especially desirable in white and colored concrete to add long-term strength and improve durability.

W.R. Grace & Co. Booth #309
W.R. Grace’s quality building materials can be found in nearly every major project around the globe and are being specified more often because they offer long-term value. Grace Construction Products delivers a level of service and support for its products that is unique in the industry, offering highly skilled personnel around the world to assist customers in the use of Grace products. As a result, the world’s most important structures stand protected from the ravages of water, fire, erosion, corrosion, and time.
Exhibitore

Exhibitors listed as of 3/29/07

Xella Aircrete North America Inc.  Booth #401
For construction projects of every variety—whether residential, industrial, or commercial—Xella Aircrete North America Inc. offers security and peace of mind with the industry’s most trusted and reliable building materials. With HEBEL Autoclaved Aerated Concrete, we help make your construction project faster, more efficient, and more secure.

Xypex Chemical Corporation  Booth #204
Xypex Chemical Corporation manufactures high-performance products for the waterproofing and protection of concrete.
Special Events
Sunday, April 22, 2007

First-Time Convention Attendee Breakfast Forsythe
8:00 am - 9:00 am
Sponsored by the ACI Convention Committee
First-time convention attendees are invited to join William E. Rushing Jr., Chair of the ACI Convention Committee, for a continental breakfast and a brief session to orient you to the week ahead. Attendees will have the opportunity to meet other convention attendees and learn about what an ACI convention has to offer.

Student FRP Composites Competition Galleria Exhibit
1:00 pm - 5:00 pm
Session Co-Moderators: John J. Myers and Vicki L. Brown
Students design, construct, and test a concrete structure reinforced with fiber-reinforced polymer (FRP) bars to achieve the optimal load-to-weight ratio, predict the ultimate load, and predict the load that will result in a piston deflection of 2.5 mm (0.1 in.). Don't miss this exciting competition! Stop by and cheer on your favorite team!

Opening Session and Awards Program Grand Ballroom
5:15 pm - 6:30 pm
The ACI Spring 2007 Convention officially begins at the Opening Session. During the session, ACI will recognize over 60 individuals and groups for their contributions to ACI and achievements in the concrete industry.

Congratulations to the following awardees:

HONORARY MEMBERS
Mario Collepardi
Bernard Erlin
Howard R. May
Jan Moksnes
Shigeyoshi Nagataki
Congratulations to the following awardees:

**FELLOWS**
- Dennis C. Ahal  Will Hansen
- Scott D.B. Alexander  Carolyn M. Hansson
- Joseph A. Amon  Kent A. Harries
- Neal S. Anderson  Cecil L. Jones
- Mark A. Aschheim  Keith Kesner
- Richard (Rick) P. Bohan  Sashi K. Kunnath
- Michael A. Caldarone  Richard A. Lawrie
- William (Bill) Ciggelakis  Andres Lepage
- I-Kuang Fang  William J. Lyons, III
- Edward J. Garboczi  John J. Myers
- Lawrence G. Griffis  Satish K. Sachdev
- Pawan R. Gupta  Andrew W. Taylor

**50-YEAR MEMBERSHIP CITATIONS**
- John E. Breen  Douglas H. Merkle
- Ned Burns  Arthur H. Nilson
- Irwin Cantor  Donald H. Olson
- Eric Elsesser  William Poznak
- Noel J. Everard  Stanley Prill
- H.C. Fischer  Charles G. Salmon
- Neil M. Hawkins  Norman L. Scott
- Nicholas M. Hernandez  John Seidensticker
- Ira Hooper  Donald C. Tsiang
- Raymond Itaya  John White
- Alan H. Mattock  Roger Wildt
- Howard R. May  Wayman C. Wing
- Donald D. Meisel

**ARTHUR R. ANDERSON AWARD**
- Richard C. Prusinski

**ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD**
- Terry J. Fricks

**JOE W. KELLY AWARD**
- World of Concrete Seminar Program

**HENRY L. KENNEDY AWARD**
- Khaled W. Awad

**ALFRED E. LINDAU AWARD**
- Bernardo Deschapelles
Special Events
Sunday, April 22, 2007

Congratulations to the following awardees:

HENRY C. TURNER MEDAL
Enrique Pasquel

CHARLES S. WHITNEY MEDAL
California Department of Transportation (Caltrans)

CEDRIC WILLSON AWARD
John P. Ries

ACI CERTIFICATION AWARD
Ismael Aviles • Thomas O. Malerk • Ronald E. Vaughn

ACI DISTINGUISHED ACHIEVEMENT AWARD
Uzun and Case Engineers, LLC

ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT
Lawrence H. Taber • Jason Weiss

WASON MEDAL FOR MOST MERITORIOUS PAPER
Matthew Offenberg

ACI CONSTRUCTION AWARD
Roger Woodhead • Kevin Main

WASON MEDAL FOR MATERIALS RESEARCH
Dale P. Bentz • Pietro Lura • John W. Roberts

CHESTER PAUL SIESS AWARD FOR EXCELLENCE IN STRUCTURAL RESEARCH
Kenneth J. Elwood • Jack P. Moehle

ACI DESIGN AWARD
L. Javier Malvar

DELMAR L. BLOEM DISTINGUISHED SERVICE AWARD
Joseph A. Daczko • Jonathan E. Dongell • Jay H. Paul

CHAPTER ACTIVITIES AWARD (DOMESTIC)
Joe Hug • Kenneth M. Lozen

CHAPTER ACTIVITIES AWARD (INTERNATIONAL)
Khaled W. Awad • Enrique Pasquel
Congratulations to the following awardees:

WALTER P. MOORE, JR., FACULTY ACHIEVEMENT AWARD
James H. Hanson

CONCRETE RESEARCH COUNCIL—ARTHUR J. BOASE AWARD
Thomas T.C. Hsu

CONCRETE RESEARCH COUNCIL—ROBERT E. PHILLEO AWARD
William Hime

CHAPTER AWARDS—CITATIONS OF EXCELLENCE
Excellent Chapters
Carolinas
Central and Southern Mexico
Georgia
Greater Miami
India
Iran
Louisiana
Missouri
New Jersey
New Mexico
Northeast Texas
Peru
Rocky Mountain
Southern California

Outstanding Chapters
Algeria
Arizona
Eastern Pennsylvania and Delaware
Greater Michigan
Indiana
Intermountain
Kansas
Las Vegas
Mongolia
Nebraska
Northern California/Western Nevada
Ontario
Pittsburgh Area
San Diego International
Special Events
Sunday, April 22, 2007

Opening Reception  Galleria Exhibit
Approximately 6:30 pm - 7:30 pm
After the Opening Session, meet your colleagues, friends, and the exhibitors for a beverage from the cash bar and enjoy light refreshments in the Galleria Exhibit Hall. Don’t miss this networking opportunity before heading out to Atlanta’s unique restaurants.

Hot Topic Session: Cast-in-Place and Post-Installed Anchors: What, When, and How  Salon A
7:30 pm - 10:00 pm
Session Moderator: Kirk Deadrick
In this session, speakers will discuss cast-in-place and post-installed (mechanical and chemical) anchoring to concrete, including the types of anchors available, their qualification, design, and use. Installation recommendations and precautions of special interest to the designer and contractor will be discussed. Items to be considered in anchor selection and design, such as provision for redundancy, are also covered.

*Refreshments will be available courtesy of the ACI Georgia Chapter.*
Workshop for Technical Committee Chairs  
Grand A  
6:30 am - 8:15 am  
Session Moderator: Michael E. Kreger  
ACI Technical Committee Chairs are invited to attend this breakfast workshop for an opportunity to meet with fellow Chairs, TAC members, and ACI staff. There will be table discussions and short presentations on recent developments of interest to ACI technical committee Chairs. All ACI technical committee Chairs are expected to be at this workshop. If you are unable to attend, please ask the Secretary or another committee member to represent you in your absence.

Chapter Forum: Successful Awards Programs  
Crystal C&D  
7:30 am – 8:30 am  
Sponsored by the Chapter Activities Committee  
Session Moderator: Andrea J. Schokker  
Many ACI chapters celebrate significant concrete projects in their area with project awards. The awards provide important publicity for the concrete construction community. Representatives from three ACI chapters will discuss their approach to administering their awards programs. This session will be of interest to chapters with awards programs as well as those wishing to establish a project awards program.

✓ Student Lunch  
Grand A  
12:00 pm - 2:00 pm  
$40 U.S. per person  
Hosted by the ACI Georgia Chapter and ACI Committee E801, Student Activities  

Speaker: Bob Harris  
President  
The Decorative Concrete Institute  
Temple, GA  

Topic: Decorative Concrete—From Fringe Fashion to an In-Vogue Material with Widespread Appeal  

Join Bob Harris for an overview of the roots of decorative concrete through the current mainstream markets. During this presentation, participants will learn about the different market segments that make up decorative concrete and new, innovative products and.
techniques, such as stamping, staining, polishing, concrete countertops, and floor overlayments. See why millions of consumers from architects, engineers, municipalities, and retail owners to homeowners are choosing the decorative concrete alternative.

Following lunch, awards will be presented to the winners of the Student FRP Composites Competition. The Student Lunch is FREE to students who preregister. **PREREGISTRATION IS REQUIRED TO ATTEND.**

Tickets may be purchased at the ACI Registration Desk up to 24 hours prior to the event, based on availability. *Please notify the ACI Registration Desk if you have any dietary restrictions.*

Nondestructive Evaluation Methods Demonstration  Galleria Exhibit
Monday & Tuesday
2:00 pm - 4:00 pm
Those interested in nondestructive evaluation for structural, pavement, and tunnel systems will have an opportunity not only to see a range of equipment, but also to try them out.

Larry Olson, Principal Engineer of Olson Engineering and Olson Instruments, invites you to participate in a hands-on demonstration of nondestructive evaluation (NDE) methods for concrete thickness, void, honeycomb, cracking, strength, subgrade support, and corrosion condition. Specific NDE methods to be demonstrated are listed as follows:

- Impact Echo
  - Concrete Thickness Gauge
  - Impact Echo Scanner
- Spectral Analysis of Surface Waves
- Ultrasonic Pulse Velocity
- Structural Tomography Imaging Software
- Slab Impulse Response
- GalvaPulse™ for Corrosion Rate, Activity, and Concrete Resistance

Technical briefs on the methods will be available. The NDE equipment will also be on display at the Olson Engineering and Olson Instruments exhibit **booth #301.** Mr. Olson is a member of the ACI Committee 228, Nondestructive Testing of Concrete, and 309, Consolidation of Concrete, and is Chair of the ICRI Evaluation Committee.
Special Events
Monday, April 23, 2007

Women in ACI Reception
Crystal A&F
5:00 pm - 6:00 pm
All registered convention attendees are invited to attend the Women in ACI Reception. This long-standing ACI tradition is a great opportunity to get to know other women in the concrete industry through networking and socializing. A hosted bar and light hors d’oeuvres will be served.

TAC 60th Anniversary Reception
Crystal C&D
(by invitation only)
6:30 pm - 7:30 pm
Sponsored by the ACI Technical Activities Committee
Join members of the Technical Activities Committee (TAC) as they reunite in Atlanta. All past and current TAC members and their guests are invited to attend this casual event. Start the night off with light snacks and a cash bar. Suggested attire: TAC alumni shirts or casual attire.

Puerto Rico Convention Preview Reception
Grand A&B
7:00 pm - 8:00 pm
Join the ACI Puerto Rico Chapter and get a preview of beautiful Puerto Rico. Come to the island and complement your ACI convention with a vacation. From hiking in a rain forest to conquering the largest Fortress in America, to dining on an infusion of classic and delectable Caribbean cuisine, to romantic walks on a moonlit beach—virtually any type of vacation interest can be accommodated in the land of your dreams, Puerto Rico.

123 Forum: Is This Concrete Durable Enough?
Salon A
7:30 pm - 10:00 pm
Sponsored by Committee 124
Session Moderator: Mohammad S. Khan
Following its long tradition, ACI Committee 123, Research and Current Developments, again brings industry experts together to discuss concrete-related issues and share their views with ACI attendees. This time, they will debate whether or not the concrete we commonly design and construct offers durability consistent with its expectations. Is our concrete of today durable enough to last 50 or 100 years, or even longer? By now, we all realize that a high-strength concrete does not necessarily mean a durable concrete. The instances of concrete failure to meet strength expectations are few, whereas the instances of concrete failing to meet its durability expectations are more numerous. This leads us to a basic question: Do we understand the complex interactions of various constituents within the concrete and the interaction of concrete and the environment it is exposed to? If we do, then do we know what it takes to produce a long-lasting, durable concrete? Our panelists in Atlanta will address these and other questions you may have.
Educational Committee Chair Training Breakfast

6:30 am - 8:00 am

Session Moderator: Cecil Jones

ACI Educational Committee Chairs are requested to attend this breakfast training session. This event provides an opportunity to meet with EAC members and other E-committee Chairs to discuss topics of interest to Committee Chairs. This session will focus on the issues of achieving and maintaining committee member balance to assure smooth committee function. There will also be time available to discuss other items of interest to Chairs.

✓ Contractors’ Day Lunch

2:00 pm - 2:00 pm

$42 U.S. per person

Hosted by the Construction Liaison Committee and the ACI Georgia Chapter

Speaker: Harry Moats
Chief Operating Officer
L.M. Scofield Company
Atlanta, GA

Topic: Decorative Concrete—It Doesn’t Have to Be Flat Anymore!

Harry Moats will discuss how to evaluate, set up, and execute vertical decorative concrete projects for the best results and a quality job. These are the things that a contractor needs to know about vertical decorative work versus conventional flatwork decorative work. This is essentially the “do’s and dont’s” of vertical concrete construction. Engineers, architects, and contractors will find this presentation very beneficial to their practice.

Tickets may be purchased at the ACI Registration Desk up to 24 hours prior to the event, based on availability. Please notify the ACI Registration Desk if you have any dietary restrictions.

✓ Separate Fee Required
Special Events
Tuesday, April 24, 2007

Building Green with ICFs, Part 2: Southface Eco Office Hard Hat Tour
1:45 pm - 5:00 pm
Sponsored by Committee 560
Session Moderator: Carla V. Yland
This session will be a case study of the exciting newly-opened Southface Eco Office building in Atlanta, a Platinum LEED building constructed with ICFs. Speakers will discuss the architectural, design, and construction aspects of the project. A tour of the facility will also be provided. The afternoon session is FREE to attend, but preregistration is required. Transportation will depart from the main lobby.

Pervious Concrete Demo at Southface Eco Office Departs Main Lobby
1:45 pm - 5:00 pm
Session Co-Moderators: Robin Houghton and Gordon Kenna
A demonstration of pervious concrete will be done on the sidewalk and entry in front of the Southface Eco Office. The Southface Eco Office is an ICF construction building planned as a platinum LEED-certified structure. One objective of this demonstration is to obtain the City of Atlanta's approval of a specification for pervious pavement for sidewalks. This demonstration is FREE, but you must preregister to attend. Transportation will depart from the main lobby.

Faculty Network Reception Crystal A&F
Hosted by Committee E803
5:00 pm - 6:00 pm
Faculty members and students are invited to attend this informal reception where you'll have a chance to exchange ideas and network. Light hors d'oeuvres will be served.

Concrete Mixer at the Georgia Aquarium Departs Main Lobby beginning at 6:00 pm
6:30 pm - 10:00 pm
Don't miss this unforgettable evening! The Concrete Mixer will be held at the Georgia Aquarium. Set among exotic fish and fauna, this location is truly unique. Sponsored by the ACI Georgia Chapter, the aquarium will be open entirely and exclusively for Concrete Mixer attendees!

You must have a name badge to attend the Concrete Mixer. Bags and purses are discouraged as you will be required to go through a security screening.

Shuttle transportation will depart from the main lobby. Shuttles will run continuously between the hotel and Georgia Aquarium beginning at 6:00 pm.
Special Events
Wednesday, April 25, 2007

✔ International Lunch
12:00 pm - 2:00 pm
$44 U.S. per person

Hosted by the International Committee

 Speakers: Fouad Yazbeck,
Technical Director
Readymix Abu Dhabi Ltd.
Dubai, UAE

Rabih Fakih,
Admixtures Product Manager
SODAP (Admixture Chemical Company)
Dubai, UAE

Topic: High Durability Concrete in the Palm Jumeirah Project, Dubai, UAE

This is one of the most extensively engineered and designed projects in the world and is being built under extreme conditions due to the weather, temperatures as high as 110 °F, and location on fill in the Persian Gulf. The islands being developed had to have a 1,800-foot section of 6.83-mile breakwater constructed to keep waves from impeding the construction. The first 900-foot section took 8 months to build and consisted of dumped sand rubble and six-ton rocks. Global positioning satellites guided ships to the correct locations where they placed sand fill that was compacted by vibration. The finished area will include 32 hotels and will house approximately 120,000 residents in waterfront villas.

Tickets may be purchased at the ACI Registration Desk up to 24 hours prior to the event, based on availability. Please notify the ACI Registration Desk if you have any dietary restrictions.

✔ Separate Fee Required

43
Special Events
Thursday, April 26, 2007

Educational Seminar: Environmental Engineering Concrete Structures: Design and Details
8:00 am - 5:00 pm
ACI Member Rate: $427 U.S.
Nonmember Rate: $567 U.S.

This 1-day seminar is based on the 2006 provisions of ACI 350 and ACI 350.3, and is for consulting engineers, private industrial firms, government agencies, material suppliers, testing agencies, academia, and contractors. You will become familiar with the design requirements of LCS, and design examples to illustrate practical applications will be presented. This seminar will also cover durability, joints, loads, serviceability, and the design of prestressed and non-prestressed members. Complimentary publications, valued at $202.00, include: ACI 350-06, ACI 350.3-06, and Course Notes.

Separate Fee Required
Tours and Guest Events
Sunday, April 22, 2007

Guest Overview
8:00 am - 9:00 am
Acquaint yourself with the week ahead! You'll also get a preview of the guest programs for the ACI Fall 2007 Convention in Puerto Rico and the ACI Spring 2008 Convention in Los Angeles, CA.

A Taste of the Peach
Departs Main Lobby
12:00 pm - 4:00 pm
$60 U.S. per person
This gorgeous city tour will truly give you a “taste of the peach.” Drive through Downtown, see the newly revitalized Midtown, and take a drive down world-famous Peachtree Street and through the exclusive Northside, one of Atlanta’s premiere residential districts. Have lunch at historic Mary Mac’s Tea Room.

Separate Fee Required
Tours and Guest Events
Monday, April 23, 2007

• All tours depart from the main lobby.
• Tickets for tours may be purchased at the ACI Registration Desk, based on availability.

✓ The Good Life in Historic Buckhead
Departs Main Lobby
10:00 am - 3:00 pm
$87 U.S. per person
Buckhead is Atlanta’s premier residential and shopping district. Visit the Atlanta History Center, Tullie Smith House, and the recently opened Centennial Olympic Games Exhibit. Lunch will be served at the Historic Swan House. Don’t miss this fashionably fun tour.

Guest Tea
Board/Directors
3:00 pm - 5:00 pm
All registered guests are cordially invited to join Mrs. Lizette Verti for afternoon tea. This is a great opportunity to spend time with other guests and to get to know one another.

Olympia Sculpture—Midtown
Photo courtesy of Rose Studio, Inc./AtlantaPhotos.com, ©2006

✓ Separate Fee Required
Tours and Guest Events
Tuesday, April 24, 2007

- All tours depart from the main lobby.
- Tickets for tours may be purchased at the ACI Registration Desk, based on availability.

✓ Covington's Mansions and Magnolias
Departs Main Lobby
9:30 am - 3:30 pm
$82 U.S. per person

Be carried back to the time of mansions and magnolias. This tour will take you to the gorgeous suburb of Covington. These beautiful mansions may include Sandtown (c. 1840), a stately Antebellum brick house; Burge Plantation (c. 1809), a white-columned home filled with world-class collectables and treasures; and Mount Pleasant (c. 1830), a former plantation home surrounded by breathtaking gardens. Lunch will be served at Blue Willow Inn.

✓ Separate Fee Required
Tours and Guest Events
Wednesday, April 25, 2007

• All tours depart from the main lobby.
• Tickets for tours may be purchased at the ACI Registration Desk, based on availability.

✓ Cultural Midtown Tour

departs Main Lobby
9:00 am - 3:00 pm
$75 U.S. per person

Start the day with a visit to the beautiful Atlanta Botanical Gardens, a showcase of the most beautiful and unusual flora in the region, located on a 60-acre site in Midtown's Piedmont Park. Then, feast your senses at the magnificent Dorothy Fugua Conservatory. Continue your cultural adventure by enjoying Atlanta’s High Museum of Art, which contains the city’s best collection of fine art in a spectacular setting. Lunch is optional at Table 1280 at the High Museum.

Atlanta Botanical Gardens

High Museum of Art
Photos courtesy of Rose Studio, Inc./AtlantaPhotos.com, ©2006

✓ Separate Fee Required
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

✔ Separate fee required  *Theme Session  TG = Task Group

Friday, April 20, 2007

6:30 pm - 9:00 pm
TAC  Technical Activities M1  Cherokee

Saturday, April 21, 2007

7:00 am - 6:00 pm
TAC  Technical Activities M2  Douglas/Paulding

8:00 am - 9:00 am
TAC-RG1  TAC Review Group 1 M1  Douglas/Paulding
TAC-RG2  TAC Review Group 2 M1  Cobb
TAC-RG3  TAC Review Group 3 M1  Embassy
TAC-RG4  TAC Review Group 4 M1  Gwinnett

8:00 am - 5:00 pm
EAC  Educational Activities M1  Dekalb

1:00 pm - 6:00 pm
301  Specifications M1  Gwinnett

7:30 pm - 10:00 pm
347-A  Formwork Specification  Fulton

Sunday, April 22, 2007

7:00 am - 8:00 am
301-SC  Spec Steering Committee  Fayette

7:00 am - 5:00 pm
TAC  Technical Activities M3  Monroe

8:00 am - 9:00 am
First-Time Convention Attendee Breakfast  Forsythe
Guest Overview  Board/Directors

8:00 am - 9:30 am
440-TG  FRP Specifications TG  Jackson

8:00 am - 10:00 am
E801  Student Activities  Carter
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

✓ Separate fee required  *Theme Session    TG = Task Group

Sunday, April 22, 2007—cont.

8:00 am - 11:00 am
TAC-RG1 TAC Review Group 1 M2 Monroe
TAC-RG2 TAC Review Group 2 M2 Jefferson
TAC-RG3 TAC Review Group 3 M2 Washington

8:30 am - 10:00 am
C660-TG Examiner TG Council
301 Specifications M2 Cherokee
341-C Equake-Res Brdgs Retrofit Clayton
342 Bridge Evaluation Paulding
373 Prestressed/Tendons Rockdale

8:30 am - 10:30 am
549-A Thin Reinforced Premix GFRC Crystal A&F

8:30 am - 11:30 am
CLC Construction Liaison State
MEMC Membership Cabinet
315-B Detailing Constructibility Club
369 Seismic Rehab Fulton
408 Bond & Development Douglas

8:30 am - 1:00 pm
347 Formwork Dekalb

8:30 am - 5:00 pm
313 Bins & Silos Roosevelt
355 Anchorage Madison

9:00 am - 5:00 pm
376 RLG Containment Structures M1 Crystal C&D

9:30 am - 10:30 am
546-B Repair Material Selection Guide Gwinnett

9:30 am - 11:00 am
440-H FRP Reinforced Concrete Jackson

9:30 am - 11:30 am
201-C Durability Condition Report Embassy

50
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

✓ Separate fee required  *Theme Session  TG = Task Group

Sunday, April 22, 2007—cont.

10:00 am - 11:30 am
E701  Materials for Concrete Construction  Carter
IC-Part  International Partnerships Committee  Council
341-D  Equake Res Brdgs Perf Based Seismic Design  Clayton
350-C  Env Str Reinf & Devel  Paulding

10:00 am - 1:00 pm
228  Nondestructive Testing  Newton
421  Reinf Slabs  Executive Boardroom

10:00 am - 11:30 am
546-C  Repair Guide  Gwinnett

10:30 am - 1:30 pm
445-A  Shear & Torsn Strut & Tie  Cherokee

10:30 am - 2:00 pm
549  Thin Reinforced  Crystal A&F

11:00 am - 1:00 pm
345  Bridge Construction  Washington

11:00 am - 2:00 pm
440-M  FRP Repair of Masonry Str  Jackson

11:30 am - 1:00 pm
C631  Conc Transportation Const Insp  Forsythe
E706  Repair Application Procedures  Carter
HTC  Hot Topic  Club
221  Aggregates  Fulton
335  Composite Hybrid  Jefferson
341-A  Equake-Res Brdgs Columns  Clayton
350-SC  Env Str Steering Comm  Paulding
439-C  Steel Reinf Mech Bar Develop  State
506-A  Shotcreting Evaluation  Douglas
548-TG  Polymers TG  Rockdale

11:30 am - 3:30 pm
423  Prestressed  Gwinnett
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

✓ Separate fee required  *Theme Session  TG = Task Group

Sunday, April 22, 2007—cont.

Tour
12:00 pm - 4:00 pm
✓ A Taste of the Peach  Departs Main Lobby

12:00 pm - 5:00 pm
562  Eval, Repair & Rehab  Adams

1:00 pm - 2:30 pm
341-B  Equake-Res Brdgs Pier Walls  Clayton
506-G  Qualification of Nozzlemen  Jefferson

1:00 pm - 3:00 pm
IC-Conf  International Conferences  State
IC-Mem  International Membership  Council

1:00 pm - 4:00 pm
BAC-SD  Board Advisory Committee on Sustainable Devlp  Carter

1:00 pm - 5:00 pm
301-A  Spec Gen Req. Definitions & Tolerances  Forsythe
301-C  Spec Placing Consolidating & Curing  Paulding
301-D  Spec Lightweight & Massive Concrete  Dekalb
301-E  Spec Prestressed Concrete  Newton
301-G  Spec Shrink Comp Conc & Ind Floor Slabs  Rockdale
301-H  Spec Tilt Up Constr & Arch Conc  Fayette
305  Hot Weather  Douglas

1:00 pm - 5:00 pm
Student FRP Composites Competition  Galleria Exhibit

2:00 pm - 3:30 pm
370  Dynamic & Vibratory Effects  Washington
439-A  Steel Reinf Wire  Fulton

2:00 pm - 4:00 pm
215  Fatigue  Embassy
### Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

- Separate fee required
- *Theme Session
- TG = Task Group

#### Sunday, April 22, 2007—cont.

| 2:00 pm - 5:00 pm |  
|-------------------|---|
| RCC               | Responsibility Cobb |
| 315               | Detailing Club |
| 336               | Footings Crystal A&F |
| 352               | Joints Executive Boardroom |

**Sessions**

#### 2:00 pm - 5:00 pm

- Simplified Design of Reinforced Concrete Structures Salon A
- Seismic Strengthening of Concrete Buildings Using FRP Composites, Part 1 Salon B
- *Enhancing Concrete Surfaces with Color and Texture Salon C
- Pervious Concrete Application and Design Salon D
- Recent Developments in Concrete with Slag Cement Salon E

| 2:00 pm - 5:00 pm |  
|-------------------|---|
| 237-TG            | Self-Consolidating Concrete Task Group Cabinet |
| 445-B             | Shear & Torsn Seismic Shear Clayton |
| 2:00 pm - 5:00 pm |  
| 237-TG            | Self-Consolidating Concrete Task Group Cabinet |
| 2:30 pm - 4:00 pm |  
| 445-E             | Shear & Torsn SOA Torsion Cherokee |
| 3:00 pm - 5:00 pm |  
| 423/445           | Adhoc Grp on Shear in Prestress Conc Cabinet |
| 309               | Consolidation Gwinnett |
| 445-B             | Steel Reinf Mechanical Splices Fulton |
| 423/445           | Adhoc Grp on Shear in Prestress Conc Cabinet |
| 309               | Consolidation Gwinnett |
| 445-B             | Steel Reinf Mechanical Splices Fulton |
| 2:00 pm - 5:00 pm |  
| E601              | Seminar Oversight Committee Council |
| 341               | Earthquake-Resistant Bridges Jackson |
| 3:00 pm - 5:00 pm |  
| 341               | Earthquake-Resistant Bridges Jackson |
| 3:30 pm - 5:00 pm |  
| 121               | Quality Assurance Washington |
| 201-A             | Durability Sulfate Attack Clayton |
| 439-B             | Steel Reinf Mechanical Splices Fulton |
| 423/445           | Adhoc Grp on Shear in Prestress Conc Cabinet |
| 123               | Research Jefferson |
| 224               | Cracking Carter |
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

✓ Separate fee required    *Theme Session    TG = Task Group

Sunday, April 22, 2007—cont.

5:15 pm - 6:30 pm
Opening Session and Awards Program          Grand Ballroom

Approximately 6:30 pm - 7:30 pm
Opening Reception                        Galleria Exhibit

7:30 pm - 10:00 pm
Hot Topic Session: Cast-in-Place and Post-Installed Anchors: What, When, and How  Salon A

Monday, April 23, 2007

6:30 am - 8:15 am
Workshop for Technical Committee Chairs      Grand A

7:00 am - 8:30 am
Speakers Skills Training Breakfast          Grand C

7:30 am - 8:30 am
Chapter Forum: Successful Awards Programs  Crystal C&D

8:00 am - 10:00 am
PUBC  Publications  Club

8:15 am - 9:30 am
440-G  FRP Student  Roosevelt

8:30 am - 10:00 am
ACI 318/ASCE7 Coordination  Clayton
E802  Teaching Methods and Educational Materials  Council
118  Computers  Fulton
124  Aesthetics  Adams
351-A  Equip Fdns Static Fdns  Douglas
506-C  Shotcreting Guide  Newton
523-A  Cellular Autoclaved Aerated  Executive Boardroom
524  Plastering  Madison
544-B  FRC Education  Gwinnett
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

☑ Separate fee required  *Theme Session  TG = Task Group

Monday, April 23, 2007—cont.

8:30 am - 11:30 am
CAC  Chapter Activities  Crystal C&D
C610  Field Technician Cert  Monroe
209  Creep & Shrinkage  Cabinet
237  Self Consolidating Concrete  Rockdale
311  Inspection  Embassy
318-TG7  TG7 Code Reorganization  Fayette
350-G&K  Env Str Tightness Testing/Haz Mat  Washington
437  Strength Evaluation  Cherokee
543  Piles  Forsythe
546  Repair  Crystal A&F
548-A  Polymers Overlays  Jackson

8:30 am - 12:30 pm
374  Seismic Design  Grand D

8:30 am - 1:00 pm
301-B  Spec Formwork & Reinforcement  Cobb
301-F  Spec Precast Concrete Panels  Paulding
302  Floor Construction  Grand B
350-B  Env Str Durability  Jefferson

8:30 am - 2:00 pm
355-TG  Anchorage TG  Carter

Sessions
9:00 am - 12:00 pm
Experimental Analysis of Bridges Built with Prefabricated Bridge Elements: Laboratory and Field Observations  Salon E
Research in Progress  Salon A
Natural Fiber Cement Composites  Salon C
Jointing Design, Practices, and Performance  Salon D
Seismic Strengthening of Concrete Buildings Using FRP Composites, Part 2  Salon B

9:00 am - 1:00 pm
365  Service Life  Grand C

9:30 am - 11:00 am
440-J  FRP Stay-in-Place Forms  Dekalb
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

✓ Separate fee required *Theme Session TG = Task Group

Monday, April 23, 2007—cont.

10:00 am - 11:30 am
E804 Educational Awards Nomination Committee Council

10:00 am - 12:00 pm
439 Steel Reinforcement Fulton

10:00 am - 1:00 pm
ITG-5 Precast Shearwalls for High Seismic Applications Club
207 Mass Concrete Douglas
216 Fire Resistance Madison
232-A Fly Ash Use of Nat Pozzolans Adams
343 Bridge Design Gwinnett
362-A Parking Str Standard Roosevelt
445-C Shear & Torsn Punching Shear Clayton
506-E Shotcreting Specifications Newton
523 Cellular Concrete Executive Boardroom

Tour
10:00 am - 3:00 pm
✓ Good Life in Historic Buckhead Departs Main Lobby

11:00 am - 12:30 pm
440-K FRP Material Characteristics Dekalb

11:30 am - 12:30 pm
236-D Material Science-Nanotechnology of Concrete Rockdale

11:30 am - 1:00 pm
201-D Durability Oversight Committee Cherokee
211-D Proportioning High Strength Cabinet
304 Measuring/Mix/Trans/Placing Monroe
346 CIP Pipe Forsythe
544-A FRC Production & Applications Crystal A&F
548-C Polymers Str Design & Analysis Jackson

11:30 am - 2:00 pm
364-A Rehabilitation Evaluation Council
441 Columns Crystal C&D
447 Finite Element Analysis Fayette
552 Cementitious Grouting Embassy
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

✓ Separate fee required *Theme Session TG = Task Group

Monday, April 2, 2007—cont.

11:30 am - 6:30 pm
350-D Env Str Structural Washington

12:00 pm - 2:00 pm
444 Experimental Analysis Fulton

12:00 pm - 2:00 pm
✓ Student Lunch Grand A

12:30 pm - 2:30 pm
C660 Shotcrete Nozzleman Cert Rockdale

1:00 pm - 2:30 pm
236-C Material Science Virtual Concrete Forsythe
548-B Polymers Sulfur Concrete Jackson

1:00 pm - 3:00 pm
ITG-6 High Strength Steel Reinforcement Crystal A&F

1:00 pm - 5:00 pm
MKTC Marketing Monroe

1:00 pm - 6:30 pm
350-E Env Str Precast/Prestressed Jefferson

1:30 pm - 3:00 pm
440-D FRP Research Grand D

2:00 pm - 3:00 pm
Convention Session Moderator Training Cabinet

2:00 pm - 3:30 pm
SCO Scholarship Council (ACI Foundation) Embassy
TAC-Code TAC Task Group on Code Relationship Club
231 Early Age Cobb
318-W Intl Workshop Planning Fayette
544-E FRC Mechanical Properties Gwinnett

2:00 pm - 4:00 pm
Nondestructive Evaluation Methods Demonstration Galleria Exhibit

2:00 pm - 4:30 pm
314 Simplified Design Buildings Grand B
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

✓ Separate fee required  *Theme Session  TG = Task Group

Monday, April 23, 2007—cont.

2:00 pm - 5:00 pm
232 Fly Ash & Natural Pozzolans  Cherokee
327 RCC Pavements  Clayton
349-C Nuclear Str Anchorage  Paulding
351 Equip Foundations  Newton
362 Parking Structures  Roosevelt
364 Rehabilitation  Executive Boardroom
365-A Service Life Std Model Development  Adams
376-TG RLG Containment Structures TG  State

Sessions
2:00 pm - 5:00 pm
Recent Advances in Fatigue of Concrete and Composites  Salon B
Designing Concrete Structures for Fire Safety  Salon A
Precast/Prestressed Concrete Structural Systems for the Future  Salon C
Toys for Teaching  Salon D
SCC: Challenges and Solutions  Salon E

2:00 pm - 6:00 pm
445 Shear & Torsion  Fulton

2:00 pm - 6:30 pm
212 Chemical Admixtures  Dekalb
301 Specifications M3  Grand C
360 Slabs on Ground  Madison

2:30 pm - 4:00 pm
236-B Material Science Permeation Methods  Forsythe

2:30 pm - 5:00 pm
506-F Shotcreting Underground  Douglas

3:00 pm - 5:00 pm
Guest Tea  Board/Directors

3:00 pm - 6:00 pm
375 Design for Wind Loads  Rockdale
440-F FRP Repair Strengthening  Grand D
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

✓ Separate fee required  *Theme Session  TG = Task Group

Monday, April 23, 2007—cont.

3:30 pm - 5:00 pm
IC-Pub  International Pubs/Website  Embassy
122  Thermal Properties  Cobb
214  Strength Tests  Jackson
318-S  Spanish Translation  Fayette

3:30 pm - 5:30 pm
446  Fracture Mechanics  Carter

3:30 pm - 6:30 pm
TTCC  TAC Tolerances Coord. Comm.  Club
211-H  Proportioning Self Consolidating  Cabinet
544-D  FRC Structural Uses  Gwinnett

4:00 pm - 5:30 pm
236  Material Science  Forsythe

5:00 pm - 6:00 pm
Women in ACI Reception  Crystal A&F

5:00 pm - 6:30 pm
E702  Designing Concrete Structures  Embassy
SDC  Strategic Development Concil  Clayton
318-L  International Liaison  Fayette
334  Shells  Roosevelt
350-J  Env Str Education  Adams
435  Deflection  Paulding
555  Recycled  Jackson

5:00 pm - 7:00 pm
E703  Concrete Construction Practices  State

6:30 pm - 7:30 pm
TAC 60th Anniversary Reception  Crystal C&D

7:00 pm - 9:00 pm
Puerto Rico Convention Preview Reception  Grand A&B

7:30 pm - 10:00 pm
123 Forum: Is This Concrete Durable Enough?  Salon A

Tuesday, April 24, 2007

6:30 am - 8:00 am
Educational Committee Chair Training Breakfast  Monroe
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

✓ Separate fee required  *Theme Session  TG = Task Group

Tuesday, April 24, 2007—cont.

7:00 am - 8:30 am
TTTC  TAC Technology Transfer  Gwinnett

8:00 am - 9:30 am
332-B  Residential Concrete Materials & Conc Requirements  Crystal C&D
332-D  Residential Concrete Footings & Foundation Walls  Douglas

8:00 am - 10:00 am
230  Soil Cement  Adams
238  Workability of Fresh Concrete  State
440-L  FRP Durability  Grand D

8:00 am - 12:00 pm
EAC  Educational Activities M2  Monroe

8:00 am - 1:00 pm
349-A&B  Nuclear Str Design & Materials  Executive Boardroom

8:30 am - 10:00 am
C620  Laboratory Tech Cert  Forsythe
225  Hydraulic Cements  Jefferson
325-A  Pavements Design  Roosevelt
548  Polymers  Dekalb

8:30 am - 11:30 am
201  Durability  Grand C
306  Cold Weather  Embassy
357  Offshore & Marine  Paulding
376  RLG Containment Structures M2  Council
506  Shotcreting  Grand B
522  Pervious Concrete  Fulton

8:30 am - 12:00 pm
IC  International Committee  Jackson
117  Tolerances  Madison

8:30 am - 1:00 pm
318-B  Reinforcement & Development  Clayton
318-C  Serviceability/Safety  Fayette
318-D  Flexure & Axial Loads  Newton
318-G  Prestressed Precast  Rockdale
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

✓ Separate fee required  *Theme Session  TG = Task Group

Tuesday, April 24, 2007—cont.

8:30 am - 2:00 pm
307 Chimneys Cherokee

8:30 am - 6:30 pm
350-F Env Str Seismic Washington

9:00 am - 12:00 pm
TRRC TAC Repair & Rehab Club

Sessions
9:00 am - 12:00 pm
Avoiding Conflicts Between Contractors and Engineers Salon D
Results of NCHRP Projects on High Strength Concrete Salon A
Concrete Heat Development:
  Monitoring and Evaluation, Part 1 Salon B
Building Green with ICFs, Part 1 Salon C
Specifications Workshop Salon E

9:30 am - 11:00 am
332-E Residential Concrete Above Grade Walls Crystal C&D
332-F Residential Concrete Slabs Douglas

Tour
9:30 am - 3:30 pm
✓ Covington Mansions and Magnolias Departs Main Lobby

10:00 am - 11:30 am
C630 Construction Inspector Cert Forsythe
325-C Pavements Prestressed and Precast Roosevelt
350-H Env Str Editorial Jefferson
503 Adhesives Cabinet

10:00 am - 12:00 pm
211-A Proportioning Editorial Adams
440-E FRP Prof Education Grand D

10:00 am - 1:00 pm
371 Water Towers Dekalb

10:30 am - 12:00 pm
544-F FRC Durability Gwinnett
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

✓ Separate fee required  *Theme Session  TG = Task Group

Tuesday, April 24, 2007—cont.

11:00 am - 12:30 pm
332-A Residential Concrete Scope, Definitions & References  Crystal C&D
332-C Residential Concrete Production & Placement  Douglas

11:30 am - 1:00 pm
CRC Concrete Research Council  Carter
211-E Proportioning Evaluation  Cabinet
223-D Shr Compensating Non-Reinforced Concrete or Mortar  State
348 Safety  Embassy

11:30 am - 2:00 pm
515 Protective Systems  Fulton
550 Precast Structures  Roosevelt

11:30 am - 3:30 pm
350-A Env Str General & Concrete  Jefferson

12:00 pm - 2:00 pm
✓ Contractors’ Day Lunch  Grand A

12:30 pm - 2:00 pm
C640 Craftsman Cert  Forsythe

12:30 pm - 3:30 pm
440 Fiber Reinforced Polymer  Grand D

1:00 pm - 2:00 pm
E803 Faculty Network Coordinating Cabinet

2:00 pm - 3:30 pm
213 Lightweight  Council
234 Silica Fume  Cabinet
325-D Proportioning for Pavements  Roosevelt
544-C FRC Testing  Gwinnett

2:00 pm - 4:00 pm
372 Prestressed/Wire Wrapped  Embassy
Nondestructive Evaluation  Galleria Exhibit
Methods Demonstration
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

✓ Separate fee required  *Theme Session  TG = Task Group

Tuesday, April 24, 2007—cont.

2:00 pm - 5:00 pm
CPC Certification Programs Monroe
116 Terminology & Notation Adams
120 History Douglas
222 Corrosion Madison
223 Shrinkage Compensating Grand B
229 Controlled Low Strength Grand C
235 Electronic Data Exchange Carter
332 Residential Concrete Crystal C&D
349 Nuclear Structures Fulton

Sessions
1:45 pm - 5:00 pm
Building Green with ICFs, Part 2: Departs Main Lobby
Southface Eco Office Hard Hat Tour
Pervious Concrete Demo at Southface Eco Office Departs Main Lobby

Sessions
2:00 pm - 5:00 pm
Open Paper Session Salon D
Blind Prediction of the Response of Building Beam-Column Joints to Earthquake Loading, Part 1 Salon C
Concrete Heat Development: Modeling and Prediction, Part 2 Salon B
Advances in Service Life Models that Consider Multiple Sources of Deterioration Salon A
Seismic Analysis and Design of Bridge Foundations Salon E

2:00 pm - 6:00 pm
233 Ground Slag Forsythe

2:00 pm - 6:30 pm
318-A General Concrete Constr Clayton
318-E Shear & Torsion Fayette
318-F New Mat. Products & Ideas Newton
318-H Seismic Provision Cherokee

3:00 pm - 5:00 pm
CC Convention Committee M2 Jackson

3:30 pm - 5:00 pm
363-A High Strength State of the Art Report Cabinet
Tuesday, April 24, 2007—cont.

3:30 pm - 6:00 pm
544 Fiber Reinforced Concrete Grand D

3:30 pm - 6:30 pm
325 Pavements Roosevelt
350-L Env Str Specification Jefferson

5:00 pm - 6:00 pm
Faculty Network Reception Crystal A&F

6:30 pm - 10:00 pm
Concrete Mixer at the Georgia Aquarium Departs Main Lobby

Wednesday, April 25, 2007

7:00 am - 10:00 am
TSC TAC Specifications Madison
ACI/ASCE ACI/ASCE Coordination Task Group Cherokee

8:30 am - 11:30 am
211 Proportioning Jackson
303 Architectural CIP Washington
308-B Curing Specifications Jefferson
330-TG Parking Lots & Paving Sites TG Roosevelt
363 High Strength Monroe
533 Precast Panels Dekalb
560 Design & Constr ICFs Gwinnett

8:30 am - 1:00 pm
318 Building Code M1 Grand B

8:30 am - 4:30 pm
359 Nuclear Reactors Fulton

8:30 am - 6:30 pm
350 Environmental Structures Paulding/Douglas

9:00 am - 12:00 pm
ACIFdn ACI Foundation (formally ConREF) Carter
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

√ Separate fee required  *Theme Session  TG = Task Group

Wednesday, April 25, 2007—cont.

Sessions
9:00 am - 12:00 pm
Recent Developments in the Use of Polymer Salon A
Concrete and Materials
Blind Prediction of the Response of Building Salon C
Beam-Column Joints to Earthquake Loading, Part 2
CLSM Technology Update: New and Innovative Uses Salon E
Concrete Pedestrian Bridges Salon D
Concrete with Recycled Materials, Part 1 Salon B

Tour
9:00 am - 3:00 pm
√ Cultural Midtown Tour Departs Main Lobby

10:00 am - 11:30 am
C601-B Certified Quality Technical Mgr Adams

11:30 am - 1:00 pm
C601-D Decorative Concrete Finisher Adams
308-A Curing Guide Jefferson

12:00 pm - 2:00 pm
√ International Lunch Cobb/Clayton

1:00 pm - 4:00 pm
330 Parking Lots & Site Paving Roosevelt

1:30 pm - 4:00 pm
Student Electronic Mbrshp TG Jefferson

2:00 pm - 5:00 pm
308 Curing Jackson

Sessions
2:00 pm - 5:00 pm
History of Concrete Salon B
Use of Field-Measured Data for Strength Salon A
Evaluation of Existing Structures
Concrete with Recycled Materials, Part 2 Salon C

2:00 pm - 6:30 pm
318 Building Code M2 Grand B
Program at a Glance

All schedule and location changes will be posted daily in the Galleria Exhibit Hall.

✓ Separate fee required  *Theme Session  TG = Task Group

**Wednesday, April 25, 2007—cont.**

6:30 pm - 10:00 pm
TAC-318  TAC RG/ACI 318  Fulton

**Thursday, April 26, 2007**

8:00 am - 5:00 pm
✓Educational Seminar: Environmental Engineering  Fayette/Newton
Concrete Structures: Design and Details

10:00 am - 5:00 pm
BOD   Board of Direction  Fulton/Cobb/Clayton
# Numerical Committee Meeting Listing

<table>
<thead>
<tr>
<th>Code</th>
<th>Committee</th>
<th>Day</th>
<th>Time</th>
<th>Room Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Student Electronic Mbrshp TG</td>
<td>Wed</td>
<td>1:30 pm - 4:00 pm</td>
<td>Jefferson</td>
</tr>
<tr>
<td>ACI 318/ASCE7</td>
<td>ACI 318/ASCE7 Coordination</td>
<td>Mon</td>
<td>8:30 am - 10:00 am</td>
<td>Clayton</td>
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<tr>
<td>ACI/ASCE</td>
<td>ACI/ASCE Coordination Task Group</td>
<td>Wed</td>
<td>7:00 am - 10:00 am</td>
<td>Cherokee</td>
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<tr>
<td>ACIFdn</td>
<td>ACI Foundation (formerly ConREF)</td>
<td>Wed</td>
<td>9:00 am - 12:00 pm</td>
<td>Carter</td>
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<tr>
<td>BAC-SD</td>
<td>Board Advisory Committee on Sustainable Devlp</td>
<td>Sun</td>
<td>1:00 pm - 4:00 pm</td>
<td>Carter</td>
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<tr>
<td>BOD</td>
<td>Board of Direction</td>
<td>Thu</td>
<td>10:00 am - 5:00 pm</td>
<td>Fulton/ Cobb/ Clayton</td>
</tr>
<tr>
<td>C601-B</td>
<td>Certified Quality Technical Mgr</td>
<td>Wed</td>
<td>10:00 am - 11:30 am</td>
<td>Adams</td>
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<tr>
<td>C601-D</td>
<td>Decorative Concrete Finisher</td>
<td>Wed</td>
<td>11:30 am - 1:00 pm</td>
<td>Adams</td>
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<tr>
<td>C610</td>
<td>Field Technician Cert</td>
<td>Mon</td>
<td>8:30 am - 11:30 am</td>
<td>Monroe</td>
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<tr>
<td>C620</td>
<td>Laboratory Tech Cert</td>
<td>Tue</td>
<td>8:30 am - 10:00 am</td>
<td>Forsythe</td>
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<tr>
<td>C630</td>
<td>Construction Inspector Cert</td>
<td>Tue</td>
<td>10:00 am - 11:30 am</td>
<td>Forsythe</td>
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<tr>
<td>C631</td>
<td>Conc Transportation Const Insp</td>
<td>Sun</td>
<td>11:30 am - 1:00 pm</td>
<td>Forsythe</td>
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<tr>
<td>C640</td>
<td>Craftsman Cert</td>
<td>Tue</td>
<td>12:30 pm - 2:00 pm</td>
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<tr>
<td>C660</td>
<td>Shotcrete Nozzleman Cert</td>
<td>Mon</td>
<td>12:30 pm - 2:30 pm</td>
<td>Rockdale</td>
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<tr>
<td>C660-TG</td>
<td>Examiner TG</td>
<td>Sun</td>
<td>8:30 am - 10:00 am</td>
<td>Council</td>
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<td>CAC</td>
<td>Chapter Activities</td>
<td>Mon</td>
<td>8:30 am - 11:30 am</td>
<td>Crystal C&amp;D</td>
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<tr>
<td>CC</td>
<td>Convention Committee M2</td>
<td>Tue</td>
<td>3:00 pm - 5:00 pm</td>
<td>Jackson</td>
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<tr>
<td>CLC</td>
<td>Construction Liaison</td>
<td>Sun</td>
<td>8:30 am - 11:30 am</td>
<td>State</td>
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<tr>
<td>CPC</td>
<td>Certification Programs</td>
<td>Tue</td>
<td>2:00 pm - 5:00 pm</td>
<td>Monroe</td>
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<tr>
<td>CRC</td>
<td>Concrete Research Council</td>
<td>Tue</td>
<td>11:30 am - 1:00 pm</td>
<td>Carter</td>
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<tr>
<td>E601</td>
<td>Seminar Oversight Committee</td>
<td>Sun</td>
<td>3:00 pm - 5:00 pm</td>
<td>Council</td>
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<tr>
<td>E701</td>
<td>Materials for Concrete Construction</td>
<td>Sun</td>
<td>10:00 am - 11:30 am</td>
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<tr>
<td>E702</td>
<td>Designing Concrete Structures</td>
<td>Mon</td>
<td>5:00 pm - 6:30 pm</td>
<td>Embassy</td>
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<tr>
<td>E703</td>
<td>Concrete Construction Practices</td>
<td>Mon</td>
<td>5:00 pm - 7:00 pm</td>
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## Numerical Committee Meeting Listing

<table>
<thead>
<tr>
<th>Code</th>
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<th>Day</th>
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<th>Room Name</th>
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<tr>
<td>E706</td>
<td>Repair Application Procedures</td>
<td>Sun</td>
<td>11:30 am - 1:00 pm</td>
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<td>E801</td>
<td>Student Activities</td>
<td>Sun</td>
<td>8:00 am - 10:00 am</td>
<td>Carter</td>
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<tr>
<td>E802</td>
<td>Teaching Methods and Educational Materials</td>
<td>Mon</td>
<td>8:30 am - 10:00 am</td>
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<tr>
<td>E803</td>
<td>Faculty Network Coordinating</td>
<td>Tue</td>
<td>1:00 pm - 2:00 pm</td>
<td>Cabinet</td>
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<tr>
<td>E804</td>
<td>Educational Awards Nomination Committee</td>
<td>Mon</td>
<td>10:00 am - 11:30 am</td>
<td>Council</td>
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<tr>
<td>EAC</td>
<td>Educational Activities M1</td>
<td>Sat</td>
<td>8:00 am - 5:00 pm</td>
<td>Dekalb</td>
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<tr>
<td>EAC</td>
<td>Educational Activities M2</td>
<td>Tue</td>
<td>8:00 am - 12:00 pm</td>
<td>Monroe</td>
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<tr>
<td>HTC</td>
<td>Hot Topic</td>
<td>Sun</td>
<td>11:30 am - 1:00 pm</td>
<td>Club</td>
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<tr>
<td>IC</td>
<td>International Committee</td>
<td>Tue</td>
<td>8:30 am - 12:00 pm</td>
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<tr>
<td>IC-Cert</td>
<td>International Certification</td>
<td>Sun</td>
<td>3:30 pm - 5:00 pm</td>
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<tr>
<td>IC-Conf</td>
<td>International Conferences</td>
<td>Sun</td>
<td>1:00 pm - 3:00 pm</td>
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<td>IC-Mem</td>
<td>International Membership</td>
<td>Sun</td>
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<td>IC-Part</td>
<td>International Partnerships Committee</td>
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<td>IC-Pub</td>
<td>International Pubs/Website</td>
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<td>3:30 pm - 5:00 pm</td>
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<td>ITG-5</td>
<td>Precast Shear Walls for High Seismic Applications</td>
<td>Mon</td>
<td>10:00 am - 1:00 pm</td>
<td>Club</td>
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<tr>
<td>ITG-6</td>
<td>High Strength Steel Reinforcement</td>
<td>Mon</td>
<td>1:00 pm - 3:00 pm</td>
<td>Crystal A&amp;F</td>
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<tr>
<td>MEMC</td>
<td>Membership</td>
<td>Sun</td>
<td>8:30 am - 11:30 am</td>
<td>Cabinet</td>
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<tr>
<td>MKTC</td>
<td>Marketing</td>
<td>Mon</td>
<td>1:00 pm - 5:00 pm</td>
<td>Monroe</td>
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<tr>
<td>PUBC</td>
<td>Publications</td>
<td>Mon</td>
<td>8:00 am - 10:00 am</td>
<td>Club</td>
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<tr>
<td>RCC</td>
<td>Responsibility</td>
<td>Sun</td>
<td>2:00 pm - 5:00 pm</td>
<td>Cobb</td>
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<tr>
<td>SCO</td>
<td>Scholarship Council (ACI Foundation)</td>
<td>Mon</td>
<td>2:00 pm - 3:30 pm</td>
<td>Embassy</td>
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<tr>
<td>SDC</td>
<td>Strategic Development Council</td>
<td>Mon</td>
<td>5:00 pm - 6:30 pm</td>
<td>Clayton</td>
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<tr>
<td>TAC</td>
<td>Technical Activities M1</td>
<td>Fri</td>
<td>6:30 pm - 9:00 pm</td>
<td>Cherokee</td>
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<td>Technical Activities M2</td>
<td>Sat</td>
<td>7:00 am - 6:00 pm</td>
<td>Douglas/ Paulding</td>
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<td>TAC</td>
<td>Technical Activities M3</td>
<td>Sun</td>
<td>7:00 am - 5:00 pm</td>
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<td>TAC-318</td>
<td>TAC RG/ACI 318</td>
<td>Wed</td>
<td>6:30 pm - 10:00 pm</td>
<td>Fulton</td>
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</table>
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<th>Room Name</th>
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<tbody>
<tr>
<td>TAC Code</td>
<td>TAC Task Group on Code Relationship</td>
<td>Mon</td>
<td>2:00 pm - 3:30 pm</td>
<td>Club</td>
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<td>TAC-RG1</td>
<td>TAC Review Group 1 M1</td>
<td>Sat</td>
<td>8:00 am - 9:00 am</td>
<td>Douglas/ Paulding</td>
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<tr>
<td>TAC-RG1</td>
<td>TAC Review Group 1 M2</td>
<td>Sun</td>
<td>8:00 am - 11:00 am</td>
<td>Monroe</td>
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<tr>
<td>TAC-RG2</td>
<td>TAC Review Group 2 M1</td>
<td>Sat</td>
<td>8:00 am - 9:00 am</td>
<td>Cobb</td>
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<tr>
<td>TAC-RG2</td>
<td>TAC Review Group 2 M2</td>
<td>Sun</td>
<td>8:00 am - 11:00 am</td>
<td>Jefferson</td>
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<tr>
<td>TAC-RG3</td>
<td>TAC Review Group 3 M1</td>
<td>Sat</td>
<td>8:00 am - 9:00 am</td>
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<tr>
<td>TAC-RG3</td>
<td>TAC Review Group 3 M2</td>
<td>Sun</td>
<td>8:00 am - 11:00 am</td>
<td>Washington</td>
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<td>TRRC</td>
<td>TAC Repair &amp; Rehab</td>
<td>Tue</td>
<td>9:00 am - 12:00 pm</td>
<td>Gwinnett</td>
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<tr>
<td>TSC</td>
<td>TAC Specifications</td>
<td>Wed</td>
<td>7:00 am - 10:00 am</td>
<td>Madison</td>
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<tr>
<td>TTCC</td>
<td>TAC Tolerances Coord. Comm.</td>
<td>Mon</td>
<td>3:30 pm - 6:30 pm</td>
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<td>TTC</td>
<td>TAC Technology Transfer</td>
<td>Tue</td>
<td>7:00 am - 8:30 am</td>
<td>Gwinnett</td>
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<tr>
<td>116</td>
<td>Terminology &amp; Notation</td>
<td>Tue</td>
<td>2:00 pm - 5:00 pm</td>
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<td>117</td>
<td>Tolerances</td>
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<td>118</td>
<td>Computers</td>
<td>Mon</td>
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<td>120</td>
<td>History</td>
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<td>2:00 pm - 5:00 pm</td>
<td>Douglass</td>
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<td>121</td>
<td>Quality Assurance</td>
<td>Sun</td>
<td>3:30 pm - 5:00 pm</td>
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<td>Thermal Properties</td>
<td>Mon</td>
<td>3:30 pm - 5:00 pm</td>
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<td>123</td>
<td>Research</td>
<td>Sun</td>
<td>4:00 pm - 5:00 pm</td>
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<td>Aesthetics</td>
<td>Mon</td>
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<td>201</td>
<td>Durability</td>
<td>Tue</td>
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<td>Durability Sulfate Attack</td>
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<td>201-C</td>
<td>Durability Condition Report</td>
<td>Sun</td>
<td>9:30 am - 11:30 am</td>
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<td>Durability Oversight Committee</td>
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<td>11:30 am - 1:00 pm</td>
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<td>Mass Concrete</td>
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<td>10:00 am - 1:00 pm</td>
<td>Douglas</td>
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<td>209</td>
<td>Creep &amp; Shrinkage</td>
<td>Mon</td>
<td>8:30 am - 11:30 am</td>
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<td>211</td>
<td>Proportioning</td>
<td>Wed</td>
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<td>211-A</td>
<td>Proportioning Editorial</td>
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<td>Proportioning Evaluation</td>
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<td>11:30 am - 1:00 pm</td>
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<td>212</td>
<td>Chemical Admixtures</td>
<td>Mon</td>
<td>2:00 pm - 6:30 pm</td>
<td>Dekalb</td>
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<td>213</td>
<td>Lightweight</td>
<td>Tue</td>
<td>2:00 pm - 3:30 pm</td>
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<td>214</td>
<td>Strength Tests</td>
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<td>Fatigue</td>
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<td>2:00 pm - 4:00 pm</td>
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<td>216</td>
<td>Fire Resistance</td>
<td>Mon</td>
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<td>Aggregates</td>
<td>Sun</td>
<td>11:30 am - 1:00 pm</td>
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<td>222</td>
<td>Corrosion</td>
<td>Tue</td>
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<td>223</td>
<td>Shrinkage Compensating</td>
<td>Tue</td>
<td>2:00 pm - 5:00 pm</td>
<td>Grand B</td>
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<td>223-D</td>
<td>Shr Compensating Non-Reinforced Concrete or Mortar</td>
<td>Tue</td>
<td>11:30 am - 1:00 pm</td>
<td>State</td>
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<td>224</td>
<td>Cracking</td>
<td>Sun</td>
<td>4:00 pm - 5:00 pm</td>
<td>Carter</td>
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<tr>
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<td>Hydraulic Cements</td>
<td>Tue</td>
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<td>Jefferson</td>
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<td>228</td>
<td>Nondestructive Testing</td>
<td>Sun</td>
<td>10:00 am - 1:00 pm</td>
<td>Newton</td>
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<td>229</td>
<td>Controlled Low Strength</td>
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<td>Grand C</td>
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<td>230</td>
<td>Soil Cement</td>
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<td>Adams</td>
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<td>231</td>
<td>Early Age</td>
<td>Mon</td>
<td>2:00 pm - 3:30 pm</td>
<td>Cobb</td>
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<tr>
<td>232</td>
<td>Fly Ash &amp; Natural Pozzolans</td>
<td>Mon</td>
<td>2:00 pm - 5:00 pm</td>
<td>Cherokee</td>
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<tr>
<td>232-A</td>
<td>Fly Ash Use of Nat Pozzolans</td>
<td>Mon</td>
<td>10:00 am - 1:00 pm</td>
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</tr>
<tr>
<td>233</td>
<td>Ground Slag</td>
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<td>2:00 pm - 6:00 pm</td>
<td>Forsythe</td>
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<td>234</td>
<td>Silica Fume</td>
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<tr>
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<td>Electronic Data Exchange</td>
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<tr>
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<td>Material Science</td>
<td>Mon</td>
<td>4:00 pm - 5:30 pm</td>
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<tr>
<td>236-B</td>
<td>Material Science Permeation Methods</td>
<td>Mon</td>
<td>2:30 pm - 4:00 pm</td>
<td>Forsythe</td>
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<tr>
<td>236-C</td>
<td>Material Science Virtual Concrete</td>
<td>Mon</td>
<td>1:00 pm - 2:30 pm</td>
<td>Forsythe</td>
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<tr>
<td>236-D</td>
<td>Material Science-Nanotechnology of Concrete</td>
<td>Mon</td>
<td>11:30 am - 12:30 pm</td>
<td>Rockdale</td>
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<tr>
<td>237</td>
<td>Self Consolidating Concrete</td>
<td>Mon</td>
<td>8:30 am - 11:30 am</td>
<td>Rockdale</td>
</tr>
<tr>
<td>237-TG</td>
<td>Self-Consolidating Concrete Task Group</td>
<td>Sun</td>
<td>2:30 pm - 3:30 pm</td>
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<tr>
<td>238</td>
<td>Workability of Fresh Concrete</td>
<td>Tue</td>
<td>8:00 am - 10:00 am</td>
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<td>Specifications M1</td>
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<td>Day</td>
<td>Time</td>
<td>Room Name</td>
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<td>Specifications M2</td>
<td>Sun</td>
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<td>301-A</td>
<td>Spec Gen Req. Definitions &amp; Tolerances</td>
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<td>301-B</td>
<td>Spec Formwork &amp; Reinforcement</td>
<td>Mon</td>
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<td>Spec Placing Consolidating &amp; Curing</td>
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<td>Spec Lightweight &amp; Massive Concrete</td>
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<td>Spec Prestressed Concrete</td>
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<td>Spec Tilt Up Constr &amp; Arch Conc</td>
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<td>Day</td>
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<td>Serviceability/Safety</td>
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<td>Proportioning for Pavements</td>
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<td>Parking Lots &amp; Site Paving</td>
<td>Wed</td>
<td>1:00 pm - 4:00 pm</td>
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<td>Parking Lots &amp; Site Paving Sites TG</td>
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<td>Residential Concrete Scope, Definitions &amp; References</td>
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<td>11:00 am - 12:30 pm</td>
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<td>Residential Concrete Production &amp; Placement</td>
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<td>Residential Concrete Footings &amp; Foundation Walls</td>
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<td>Residential Concrete Slabs</td>
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<td>Safety</td>
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<td>Day</td>
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<td>Rehabilitation Evaluation</td>
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<td>Service Life Std Model Development</td>
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<td>Sun</td>
<td>8:30 am - 10:00 am</td>
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<td>Sun</td>
<td>10:00 am - 1:00 pm</td>
<td>Executive Boardroom</td>
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<td>423</td>
<td>Prestressed</td>
<td>Sun</td>
<td>11:30 am - 3:30 pm</td>
<td>Gwinnett</td>
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<td>423/445</td>
<td>Adhoc Grp on Shear in Prestress Conc</td>
<td>Sun</td>
<td>3:30 pm - 5:00 pm</td>
<td>Cabinet</td>
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<td>Code</td>
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<td>Mon</td>
<td>5:00 pm - 6:30 pm</td>
<td>Paulding</td>
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<tr>
<td>437</td>
<td>Strength Evaluation</td>
<td>Mon</td>
<td>8:30 am - 11:30 am</td>
<td>Cherokee</td>
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<td>Steel Reinforcement</td>
<td>Mon</td>
<td>10:00 am - 12:00 pm</td>
<td>Fulton</td>
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<tr>
<td>439-A</td>
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<td>2:00 pm - 3:30 pm</td>
<td>Fulton</td>
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<tr>
<td>439-B</td>
<td>Steel Reinf Mechanical Splices</td>
<td>Sun</td>
<td>3:30 pm - 5:00 pm</td>
<td>Fulton</td>
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<td>439-C</td>
<td>Steel Reinf Mech Bar Develop</td>
<td>Sun</td>
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<td>440</td>
<td>Fiber Reinforced Polymer</td>
<td>Tue</td>
<td>12:30 pm - 3:30 pm</td>
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<tr>
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<td>Mon</td>
<td>1:30 pm - 3:00 pm</td>
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<tr>
<td>440-E</td>
<td>FRP Prof Education</td>
<td>Tue</td>
<td>10:00 am - 12:00 pm</td>
<td>Grand D</td>
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<tr>
<td>440-F</td>
<td>FRP Repair Strengthening</td>
<td>Mon</td>
<td>3:00 pm - 6:00 pm</td>
<td>Grand D</td>
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<tr>
<td>440-G</td>
<td>FRP Student</td>
<td>Mon</td>
<td>8:15 am - 9:30 am</td>
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<tr>
<td>440-H</td>
<td>FRP Reinforced Concrete</td>
<td>Sun</td>
<td>9:30 am - 11:00 am</td>
<td>Jackson</td>
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<tr>
<td>440-J</td>
<td>FRP Stay-in-Place Forms</td>
<td>Mon</td>
<td>9:30 am - 11:00 am</td>
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<td>11:00 am - 12:30 pm</td>
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<td>440-M</td>
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<td>440-TG</td>
<td>FRP Specifications TG</td>
<td>Sun</td>
<td>8:00 am - 9:30 am</td>
<td>Jackson</td>
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<tr>
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<td>Columns</td>
<td>Mon</td>
<td>11:30 am - 2:00 pm</td>
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<td>12:00 pm - 2:00 pm</td>
<td>Fulton</td>
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<td>Shear &amp; Torsion</td>
<td>Mon</td>
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<td>Shear &amp; Torsn SOA Torsion</td>
<td>Sun</td>
<td>2:30 pm - 5:00 pm</td>
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<td>Fracture Mechanics</td>
<td>Mon</td>
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<td>11:30 am - 2:00 pm</td>
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<td>Shotcreting</td>
<td>Tue</td>
<td>8:30 am - 11:30 am</td>
<td>Grand B</td>
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<td>506-A</td>
<td>Shotcreting Evaluation</td>
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<td>Shotcreting Guide</td>
<td>Mon</td>
<td>8:30 am - 10:00 am</td>
<td>Newton</td>
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<td>Mon</td>
<td>10:00 am - 1:00 pm</td>
<td>Newton</td>
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<td>Qualification of Nozzlemen</td>
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<td>Mon</td>
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<td>Wed</td>
<td>8:30 am - 11:30 am</td>
<td>Dekalb</td>
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<td>Piles</td>
<td>Mon</td>
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<td>544-A</td>
<td>FRC Production &amp; Applications</td>
<td>Mon</td>
<td>11:30 am - 1:00 pm</td>
<td>Crystal A&amp;F</td>
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<td>544-B</td>
<td>FRC Education</td>
<td>Mon</td>
<td>8:30 am - 10:00 am</td>
<td>Gwinnett</td>
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<td>2:00 pm - 3:30 pm</td>
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<td>Polymers Str Design &amp; Analysis</td>
<td>Mon</td>
<td>11:30 am - 1:00 pm</td>
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<td>Rockdale</td>
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<td>Thin Reinforced</td>
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<td>Crystal A&amp;F</td>
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<td>Precast Structures</td>
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<td>11:30 am - 2:00 pm</td>
<td>Roosevelt</td>
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<td>552</td>
<td>Cementitious Grouting</td>
<td>Mon</td>
<td>11:30 am - 2:00 pm</td>
<td>Embassy</td>
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<td>555</td>
<td>Recycled</td>
<td>Mon</td>
<td>5:00 pm - 6:30 pm</td>
<td>Jackson</td>
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<tr>
<td>560</td>
<td>Design &amp; Constr ICFs</td>
<td>Wed</td>
<td>8:30 am - 11:30 am</td>
<td>Gwinnett</td>
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<tr>
<td>562</td>
<td>Eval, Repair &amp; Rehab</td>
<td>Sun</td>
<td>12:00 pm - 5:00 pm</td>
<td>Adams</td>
</tr>
</tbody>
</table>
First-Time Convention Attendee Breakfast

Sponsored by the ACI Convention Committee

First-time convention attendees are invited to join William E. Rushing Jr., Chair of the ACI Convention Committee, for a continental breakfast and a brief session to orient you to the week ahead. Attendees will have the opportunity to meet other convention attendees and learn about what an ACI convention has to offer.

Sunday, April 22, 2007
8:00 am - 9:00 am

Cater Center

Photo courtesy of Rose Studio, Inc./AtlantaPhotos.com, ©2006
Sunday, April 22, 2007
1:00 pm - 5:00 pm

Student FRP Composites Competition

Sponsored by Committee E801 and the ACI Georgia Chapter

Session Co-Moderators: John J. Myers
Assistant Professor
University of Missouri-Rolla
Rolla, MO

Vicki L. Brown
Associate Professor and Chairman
Widener University
Chester, PA

Don't miss this exciting competition! Stop by and cheer on your favorite team! Students will design, construct, and test a concrete structure reinforced with fiber-reinforced polymer (FRP) bars to achieve the optimal load-to-weight ratio, predict the ultimate load, and predict the load that will result in a piston reflection of 2.5 mm (0.1 in.).

Thank you to Accu-Cal for donating calibration of the testing device

Accu-Cal, Inc.
Calibration and Repair of Materials Testing Equipment
Sunday, April 22, 2007
2:00 pm - 5:00 pm

Simplified Design of Reinforced Concrete Structures  Salon A

Sponsored by Committee 314

Session Co-Moderators:  W. Gene Corley
                       Senior Vice President
                       CTLGroup
                       Skokie, IL
                       JoAnn P. Browning
                       Associate Professor
                       University of Kansas
                       Civil, Environmental and Architectural
                       Engineering
                       Lawrence, KS

Design of 16-Story Hotel According to ACI 318-05:  2:05 pm
A Case Study
David A. Fanella, Senior Consultant, Klein and Hoffman Inc.,
Chicago, IL

Design of 6-Level Post-Tensioned Parking Structure:  2:35 pm
A Case Study

Design of 6-Story Parking Garage on Caissons with Post-Tensioned Beam and Slab: A Case Study
Frank S. Malits, Principal, Cagley and Associates, Rockville, MD

IPS-1, Essential Requirements for Reinforced Concrete Buildings: Past, Present, and Future
José M. Izquierdo-Encarnacion, Principal, PORTICUS, San Juan, PR

Design Aids for ACI 318-05  4:05 pm
David A. Fanella, Senior Consultant, Klein and Hoffman Inc.,
Chicago, IL

Preliminary Design and Economic Impact of Simplified Design of RC Structures  4:35 pm
Michael C. Mota, Regional Engineering Manager-East, Portland Cement Association, Williamstown, NJ, and James S. Lai, SE, La Canada, CA
Sunday, April 22, 2007
2:00 pm - 5:00 pm

Seismic Strengthening of Concrete Buildings Using FRP Composites, Part 1

Sponsored by Committee 440-F

Co-Moderators: Pedro Silva
Assistant Professor
George Washington University
Washington, DC

Tarek Alkhrdaji
Structural Engineer
Structural Group
Elkridge, MD

Seismic Retrofit of Reinforced Concrete Beam-Column Joints and Bridge Piers with FRP Composite Jackets
2:05 pm
Chris P. Pantelides, Associate Professor, University of Utah, Salt Lake City, UT, and Janos Gergely, University North Carolina at Charlotte

Structural Upgrade of Reinforced Concrete Moment Frame Connections Using FRP Composites
2:35 pm
Ayman S. Mosallam, Professor, University of California at Irvine, Irvine, CA

Providing External Confinement to Flexure Members to Improve Ductility—The Good, the Bad, and the Ugly
3:05 pm
Andrew Budek, Assistant Professor, SW Texas State University, San Marcos, TX

Seismic Upgrade of RC Structures Using Innovative Materials
3:35 pm
Andrea Prota, Assistant Professor, University of Naples, Naples, Italy, and Gaetano Manfredi, University of Naples

Nonlinear Analysis of Reinforced Concrete Beam-Columns with Bond Slip
4:05 pm
Ashraf Ayoub, Associate Professor, University of Missouri, Rolla, MO

Implementation of Performance-Based Retrofit Strategies and Solutions for Pre-1970 Reinforced Concrete Buildings Using FRP Composites
4:35 pm
Stefano Pampanin, Associate Professor, University of Canterbury, Christchurch, New Zealand
Sunday, April 22, 2007
2:00 pm - 5:00 pm

*Enhancing Concrete Surfaces with Color and Texture*  
Salon C

Sponsored by Committee 124

**Session Moderator:**  
Michael Johannes Paul  
Senior Consultant  
Duffield Associates, Inc.  
Philadelphia, PA

**Introduction**  
2:00 pm  

**Concrete Hardscape—Aesthetic Possibilities**  
2:05 pm  
Kimberly Kramer, Assistant Professor, Kansas State University, Manhattan, KS, and Luke I. Amey, Kansas State University

**Micro Etch Surface Retarders for Decorative Concrete**  
2:30 pm  
Christian A. Forgey, Market Manager Residential, Grace Construction Products, Cambridge, MA

**Developing Colors and Finishes for Architectural Precast Concrete**  
2:55 pm  
Brian D. Miller, Director Engineering and Technology, Precast/Prestressed Concrete Institute, Chicago, IL

**Creating Smooth Concrete Surfaces with Patching Compounds**  
3:20 pm  
Michael T. Chusid, Principal, Chusid Associates, Tarzana, CA

**Texture and Color in Concrete for Museums, Churches, and Concert Halls**  
3:45 pm  
Joseph V. Nasvik, Senior Editor, Concrete Construction and Residential Concrete, Hanley-Wood LLC, Addison, IL, and William D. Palmer, Complete Construction Consultants, LLC

**Aesthetics—A Value-Added Concept**  
4:10 pm  
Fred Colin, Area Manager, Solomon Colors, Springfield, IL

**Design of a Translucent Concrete**  
4:35 pm  
Sergio Omar Galvan Cazares, Concretos Translucidos, Mexico City, Distrito Federal Mexico

* = theme session
Pervious Concrete Application and Design  
Sponsored by the ACI Georgia Chapter

Session Co-Moderators:  
Gary Knight  
Manager of Concrete Research and Support  
Heidelberg Cement Technology Center  
Atlanta, GA  

Nicholas F. “Nick” Maloof  
General Manager of Technical Promotion  
Thomas Concrete Industries  
Atlanta, GA  

Material Property Research of Field-Placed Pervious Concrete Specimens  
Liv Haselbach, Assistant Professor, University of South Carolina, Columbia, SC

Enhanced Pervious Concrete Placement Using a Unique Admixture System  
Mark A. Bury, Senior Product Manager, BASF Admixtures Inc., Beachwood, OH, and Robert J. Ryan, BASF Admixtures Inc.

10 Things to Avoid for Pervious Concrete Success  
John T. Kevern, PhD Student, Iowa State University, Ames, IA

Fiber-Reinforced Pervious Concrete  
Gregory Dale Moody, Technical Services Representative, CEMEX USA, Orlando, FL

Mix Proportioning of Pervious Concrete  
John T. Kevern, PhD Student, Iowa State University, Ames, IA, and Kejin Wang, Iowa State University

The Future of Pervious Concrete  
Matthew A. Offenberg, Market Development Manager, Rinker, Cocoa, FL
Sunday, April 22, 2007
2:00 pm - 5:00 pm

Recent Developments in Concrete with Slag Cement

Sponsored by Committee 233

Session Moderator: Darrell F. Elliot
Technical Service Manager
BUZZI Unicem USA
La Place, LA

Fast Track Construction with Slag Cement Concretes 2:05 pm
Marios N. Soutsos, Lecturer Civil Engineering, The University of Liverpool, Liverpool, UK

Effect of Slag Cement on the Drying Shrinkage of Concrete 2:40 pm
R. Doug Hooton, Professor, University of Toronto, Toronto, ON, Canada

Life Cycle Inventory of Slag Cement Concrete 3:15 pm
Jan R. Prusinski, Executive Director, Slag Cement Association, Sugar Land, TX

Effect of Curing Temperature on Concrete Containing Slag 3:50 pm
Cement and Fly Ash in Ternary Mixtures
William M. Hale, Assistant Professor, University of Arkansas, Fayetteville, AR

Use of Gypsum to Counteract the Effects of High Alumina 4:25 pm
Contents in Asian Slags
Gordon R. McLellan, Technical Manager, Hanson Slag Cement, Cape Canaveral, FL
Sunday, April 22, 2007
5:15 pm - 6:30 pm

Opening Session and Awards Program

The ACI Spring 2007 Convention officially begins at the Opening Session. During the session, ACI will recognize over 60 individuals and groups for their contributions to ACI and achievements in the concrete industry.
Opening Reception

After the Opening Session, meet your colleagues, friends, and the exhibitors for a beverage from the cash bar and light refreshments in the exhibit area. Don't miss this networking opportunity before heading out to Atlanta's unique restaurants.

Sunday, April 22, 2007
Approx. 6:30 pm - 7:30 pm

Galleria Exhibit
Hot Topic Session: Cast-in-Place and Post-Installed Anchors: What, When, and How

Sponsored by the ACI Georgia Chapter and Hot Topic Committee

Session Moderator: Kirk K. Deadrick
Director of Quality Assurance
Lafarge AC&A
Alpharetta, GA

In this session, speakers will discuss cast-in-place and post-installed (mechanical and chemical) anchoring to concrete, including the types of anchors available, their qualification, design, and use. Installation recommendations and precautions of special interest to the designer and contractor will be discussed. Items to be considered in anchor selection and design, such as provision for redundancy, are also covered.

Chemical & Mechanical Anchors Features/Benefits 7:35 pm
John F. Silva, Director Codes and Approvals, Hilti North America, San Rafael, CA

Installation Recommendations/Precautions 8:15 pm
Lee W. Mattis, Vice President, CEL Consulting, Oakland, CA

Selecting and Designing for an Anchoring System 8:55 pm
Ronald A. Cook, Professor, University of Florida, Gainesville, FL

Refreshments will be available courtesy of the ACI Georgia Chapter.
Monday, April 23, 2007
6:30 am - 8:15 am

Workshop for Technical Committee Chairs
Grand A

Sponsored by the ACI Technical Activities Committee

Session Moderator: Michael E. Kreger
Professor
School of Civil Engineering and Director,
Bowen Laboratory for Large-Scale Civil
Engineering Research
Purdue University
West Lafayette, IN

ACI Technical Committee Chairs are invited to attend this breakfast workshop for an opportunity to meet with fellow Chairs, TAC members, and ACI staff. There will be table discussions and short presentations on recent developments of interest to ACI technical committee Chairs. All ACI technical committee Chairs are expected to be at this workshop. If you are unable to attend, please ask the Secretary or another committee member to represent you in your absence.

Breakfast 6:30 am

Introduction 7:05 am
Michael E. Kreger, Professor, School of Civil Engineering, and Director,
Bowen Laboratory for Large-Scale Civil Engineering Research, Purdue
University, West Lafayette, IN

TAC Update 7:10 am
Ronald G. Burg, Chair, Technical Activities Committee, and Vice President,
Construction Technology Labs, Inc., Skokie, IL

Incoming President’s Welcome 7:15 am
David Darwin, Deane E. Ackers Distinguished Professor of Civil,
Environmental, and Architectural Engineering, University of Kansas,
Lawrence, KS

TCM Changes—Balance of Interest 7:25 am
David H. Sanders, Professor of Civil and Environmental Engineering,
University of Nevada, Reno, NV

Rules of Balloting 7:40 am
Miroslav F. Vejvoda, Staff Engineer, American Concrete Institute,
Farmington Hills, MI
Monday, April 23, 2007
6:30 am - 8:15 am—cont.

Workshop for Technical Committee Chairs
Grand A

Table Discussions with TAC Contact
7:55 am

Adjourn
8:15 am

Michael E. Kreger, Professor, School of Civil Engineering, and Director, Bowen Laboratory for Large-Scale Civil Engineering Research, Purdue University, West Lafayette, IN
Speakers Skills Training Breakfast  Grand C  

Sponsored by Committee E802

Session Moderator: Kimberly E. Kurtis  
Associate Professor  
Georgia Institute of Technology  
Atlanta, GA

Improving PowerPoint Presentations  7:03 am
Lisa Rosenstein, Georgia Institute of Technology, Atlanta, GA
Many ACI chapters celebrate significant concrete projects in their area with project awards. The awards provide important publicity for the concrete construction community. Representatives from three ACI chapters will discuss their approach to administering their awards programs. This session will be of interest to chapters with awards programs as well as those wishing to establish a project awards program.
Monday, April 23, 2007
9:00 am - 12:00 pm

Experimental Analysis of Bridges Built with Prefabricated Bridge Elements: Laboratory and Field Observations
Sponsored by Committee 444

Session Co-Moderators: Sameh S. Badie
Assistant Professor
George Washington University
Washington, DC

Mohsen Issa
Professor
University of Illinois
Chicago, IL

Accelerated Bridge Construction Using Prefabrication: Why, When, and How?
Rajkumar Ailaney, Senior Structural Engineer, FHWA Resource Center, Baltimore, MD

Efficient Full-Depth Bridge Deck Panels Connection Details
Amgad Girgis, Research Assistant Professor, University of Nebraska, Omaha, NE; Maher K. Tadros, University of Nebraska-Lincoln; and Sameh S. Badie, George Washington University

Full-Scale Tests of Precast Bridge Deck Panels on Precast I-Girders
Carin Roberts-Wollman, Associate Professor, Virginia Polytechnic Institute and State University, Blacksburg, VA, and Sean Sullivan, Virginia Polytechnic Institute

Research and Construction Case Study: Interstate Highway Bridge Precast Full-Depth Deck Panels
Michael G. Oliva, Professor, University of Wisconsin, Madison, WI; Lawrence C. Bank, and Jeffrey S. Russell, University of Wisconsin; F. Ehmkke, Strand Association; and F. Hubbard and S. Becker, Wisconsin DOT

Non-Prestressed Panel-to-Panel Connection Details for Full-Depth Precast Deck Panels
Sameh S. Badie, Assistant Professor, George Washington University, Washington, DC, and Amgad F. Morgan and Maher K. Tadros, University of Nebraska-Lincoln
Experimental Analysis of Bridges Built with Prefabricated Bridge Elements: Laboratory and Field Observations

Critical Measures for a Successful Implementation of Full-Depth Precast Concrete Bridge Deck Panel System

Mohsen A. Issa, Professor, University of Illinois, Chicago, IL
Monday, April 23, 2007
9:00 am - 12:00 pm

Research in Progress  
Sponsored by Committee 123

Session Co-Moderators: Farshad Rajabipour  
School of Civil Engineering  
Purdue University  
West Lafayette, IN  

Akhter Hossain  
Assistant Professor  
University of South Alabama  
Mobile, AL

Introduction 9:00 am
Farshad Rajabipour, School of Civil Engineering, Purdue University, West Lafayette, IN

Presentation by James Instrument Award Recipient 9:01 am

Construction Experiences with Low-Cracking 9:15 am
High-Performance Concrete (LCHPC) Bridge Decks in Kansas  
Heather A. McLeod, Department of Civil, Environmental and Architectural Engineering, University of Kansas, Lawrence, KS, and Will D. Lindquist, David Darwin, and JoAnn P. Browning, University of Kansas

Characterization and Use of Rice Husk Ash as a Pozzolanic Material in Portland Cement Concretes 9:30 am  
David W. Wingard, Clemson University, Clemson, SC; Prasad R. Rangaraju, Clemson University; and Rajan K. Vempati, ChK Group

Effect of Mineral Admixtures and Aggregate Type on Free Shrinkage 9:45 am  
Will D. Lindquist, Student, University of Kansas, Lawrence, KS, and Heather A. McLeod, David Darwin, and JoAnn P. Browning, University of Kansas

Sorptivity and Freeze/Thaw Resistance of Roller-Compacted Concrete 10:00 am  
Chetan V. Hazaree, Graduate Student, Iowa State University, Ames, IA, and Kejin Wang and Halil Ceylan, Iowa State University
Monday, April 23, 2007
9:00 am - 12:00 pm—cont.

Research In Progress

Establishing Limits for Electrical Tests of Concrete Permeability
Enrique Vivas, PhD Student and Research Assistant, University of Florida, Gainesville, FL; H.R. Trey Hamilton, University of Florida; and Andrew J. Boyd, McGill University

Effect of Concrete Surface Preparation on the Bond Behavior of CFRP Sheets
Baris Yalim, Student, Florida International University, Miami, FL, and Ahmet Kalayci and Amir Mirmiran, Florida International University

Closed Form Solutions for Moment Curvature Diagram of Homogenized Fiber-Reinforced Concrete
Chote Soranakom, Research Assistant, Arizona State University, Tempe, AZ, and Barzin Mobasher, Arizona State University

Coordinated Research on Bond of ASTM A 1035 Reinforcement: First Progress Report
Paul Zia, Distinguished University Professor, North Carolina State University; Sami H. Rizkalla, North Carolina State University; David Darwin and JoAnn P. Browning, University of Kansas; and James O. Jirsa, University of Texas at Austin

Anchorage Zone Design for PCBT Bridge Girders in Virginia
Eric Crispino, Graduate Student, Virginia Tech University, Blacksburg, VA; Rodney T. Davis, Virginia Department of Transportation; and Carin L. Roberts-Wollmann and Thomas E. Cousins, Virginia Tech University

Strength and Serviceability of Prestressed SCC Bridge Girders Made with Quartzite Aggregates
Nadim I. Wehbe, Assistant Professor, South Dakota State University, Brookings, SD, and Arden B. Sigl and Jason J. Zemlicka, South Dakota State University

Top Strand Effect
Chris Carroll, Graduate Research Assistant, Virginia Tech University, Blacksburg, VA; and Carin L. Roberts-Wollmann and Thomas E. Cousins, Virginia Tech University
Monday, April 23, 2007
9:00 am - 12:00 pm

Natural Fiber Cement Composites

Sponsored by Committee 236

Session Co-Moderators:
Joseph J. Biernacki
Associate Professor
Tennessee Technological University
Cookeville, TN

Kimberly E. Kurtis
Associate Professor
Georgia Institute of Technology
Atlanta, GA

Durability of Cellulose FRC and Service Life Predictions
Nemkumar Banthia, Professor, University of British Columbia, Vancouver, BC, Canada, and Ashish Bhargava, Parsons Brinkerhoff Ltd

Supplementary Cementitious Materials for Mitigating Kraft Pulp Fiber-Cement Composite Degradation
Benjamin J. Mohr, Assistant Professor, Tennessee Technological University, Cookeville, TN; Joseph J. Biernacki, Tennessee Technological University; and Kimberly E. Kurtis, Georgia Institute of Technology

Freeze-Thaw, Average Residual Strength, Static, and Fatigue Loading of Natural Fiber
Heather J. Brown, Assistant Professor, Middle Tennessee State University, Murfreesboro, TN

Application of Alkaline-Resistant Virgin Kraft Fibers in Fiber Cement Products
Jerry Morton, Senior Research Chemistry, Buckeye Products and Marketing Development, Memphis, TN

Cellulose Fibers in Cast, Hatschek-Produced, and Extruded Composites
Katherine G. Kuder, Assistant Professor, Seattle University, Seattle, WA; Julie Rapoport, Exponent Failure Analysis Associate and Surendra P. Shah, Northwestern University

97
Monday, April 23, 2007
9:00 am - 12:00 pm—cont.

Natural Fiber Cement Composites  
Salon C

Moisture Sensitivity of Premix Wood and Glass  
10:45 am
Fiber-Reinforced Cement Composites

Shashi S. Marikunte, Assistant Professor, Southern Illinois University, Carbondale, IN, and Nandini Banerjee, Southern Illinois University

Internal Curing Using Wood-Derived Materials  
11:05 am

Kimberly E. Kurtis, Associate Professor, Georgia Institute of Technology; Benjamin J. Mohr, Tennessee Technological University; and Hiroki Nanko, Mead-Westvaco Corporation
Jointing Design, Practices, and Performance  Salon D

Sponsored by Committee E702

Session Co-Moderators: Kari L. Yuers
President and CEO
Kryton International Inc.
Vancouver, BC, Canada

John Gonzalez
Senior Engineer
Southern Company Generation
Atlanta, GA

Introduction 9:00 am
Kari L. Yuers, President and CEO, Kryton International Inc.,
Vancouver, BC, Canada

Slab Joints: So, What's the Big Deal? 9:10 am
Jerry A. Holland, Director of Design Services, Structural Services Inc.,
Jonesboro, GA

Upgrading Joints in Concrete 9:40 am
Peter H. Emmons, President, Structural Group Inc., Hanover, MD

Joints in Slabs on Grade, Part 1 10:10 am
Kim D. Basham, Senior Structural Engineer, Concrete Engineering
Specialists, Cheyenne, WY

Joints in Slabs on Grade, Part 2 10:45 am
Bruce A. Suprenant, Senior Construction Engineer, Concrete
Engineering Specialists, Boulder, CO

Challenges with Joints in Transportation Structures 11:20 am
Paul J. St. John, President, Concrete Consultant, St. John Consulting
Service, Scotia, NY
Seismic Strengthening of Concrete Buildings Using FRP Composites, Part 2
Sponsored by Committee 440-F

Session Co-Moderators: Pedro Silva
Assistant Professor
George Washington University
Washington, DC

Tarek Alkhrdaji
Structural Engineer
Structural Group
Elkridge, MD

Confinement Efficacy of Partially and Fully Wrapped CFRP Systems in RC Column Prototypes
Joaquim Oliveira Barros, Professor, University of Minho, Guimaraes, Portugal

Rotation Model for FRP-Strengthened Joints
Pedro F. Silva, Assistant Professor, George Washington University, Washington, DC

Flexural Strength Enhancement of Flanged T-Beams in Frames
Jose I. Restrepo, Research Engineer, University of California-San Diego, La Jolla, CA, and Yung-Chih Wang, National Central University Chungli/Taoyuan

Performance of an RC Corner Beam-Column Joint Severely Damaged Under Bidirectional Loading and Rehabilitated with FRP Composites
Murat Engindeniz, Student, Georgia Institute of Technology, Atlanta, GA, and Lawrence F. Kahn and Abdul-Hamid Zureick, Georgia Institute of Technology

Seismic Rehabilitation of Slab-Column Connections
Widianto Widianto, Structural Engineer, Bethel Corporation, Houston, TX, and Ying Tain, Jaime Argudo, Oguzhan Bayrak, and James O. Jirsa, University of Texas at Austin
Seismic Strengthening of Concrete Buildings Using FRP Composites, Part 2

Experimental Evaluation of Prismatic Reinforced Concrete Columns Strengthened with CFRP

Antonio Nanni, Professor and Chair, University of Miami, Coral Gables, FL, and Silvia V. Rocca and Nestore Galati, University of Missouri-Rolla
Student Lunch

Grand A

$40 U.S. per person

Speaker: Bob Harris
President
The Decorative Concrete Institute
Temple, GA

Topic: Decorative Concrete—From Fringe Fashion to an In-Vogue Material with Widespread Appeal

Join Bob Harris for an overview of the roots of decorative concrete through current mainstream markets. During this presentation, participants will learn about the different market segments that make up decorative concrete and new, innovative products and techniques such as stamping, staining, polishing, concrete countertops, and floor over-layments. See why millions of consumers from architects, engineers, municipalities, and retail owners to homeowners are choosing the decorative concrete alternative.

Following lunch, awards will be presented to the winners of the Student FRP Composites Competition. The Student Lunch is FREE to students who preregister.

PREREGISTRATION IS REQUIRED TO ATTEND.

Tickets may be purchased at the ACI Registration Desk up to 24 hours prior to the event, based on availability. Please notify the ACI Registration Desk if you have any dietary restrictions.

Separate Fee Required
Monday, April 23, 2007
2:00 pm - 3:00 pm

Convention Session Moderator Training  Cabinet
All future convention session moderators are encouraged to attend
to review the new Convention Session Moderator Training, learn
about changes to requirements for presentations/handouts, obtain
an understanding of how final approval forms are incorporated into
convention marketing and the program book, and get questions
answered specific to your future session.
Nondestructive Evaluation Methods Demonstration  Galleria Exhibit Demo will also be held on Tuesday, April 24, 2:00 pm - 4:00 pm.

Those interested in nondestructive evaluation for structural, pavement, and tunnel systems will have an opportunity not only to see a range of equipment, but also to try them out.

Larry Olson, Principal Engineer of Olson Engineering and Olson Instruments, invites you to participate in a hands-on demonstration of nondestructive evaluation (NDE) methods for concrete thickness, void, honeycomb, cracking, strength, subgrade support, and corrosion condition. Specific NDE methods to be demonstrated are listed below:

- **Impact Echo**
  - Concrete Thickness Gauge
  - Impact Echo Scanner
- **Spectral Analysis of Surface Waves**
- **Ultrasonic Pulse Velocity**
- **Structural Tomography Imaging Software**
- **Slab Impulse Response**
- **GalvaPulse™ for Corrosion Rate, Activity, and Concrete Resistance**

Technical briefs on the methods will be available. The NDE equipment will also be on display at the Olson Engineering and Olson Instruments exhibit booth #301. Mr. Olson is a member of the ACI Committees 228, Nondestructive Testing of Concrete and 309, Consolidation of Concrete, and is Chair of the ICRI Evaluation Committee.
Evaluation of the Steel to Concrete Bond Under Repeated Loading
K.A. Soudki, A. Rteil, and T.H. Topper, Civil Engineering Department, University of Waterloo, Waterloo, ON, Canada

Deterioration of FRP-to-Concrete Bond Under Fatigue
Kent A. Harries, Assistant Professor, University of Pittsburgh, Pittsburgh, PA; Andrew Zorn, University of Pittsburgh; John Aidoo, Ross-Hulman Institute of Technology; and Joshua Quattlebaum, Stevens and Wilkinson

Fatigue Resistance of Rigid Pavements: Findings from Small- and Full-Scale Concrete Test Specimens
Jeffery R. Roesler, Associate Professor, University of Illinois, Urbana, IL

Early Sawcutting Timing and Aggregate Interlock under Repeated Loading
Elin Jensen, Assistant Professor, Lawrence Technological University, Southfield, MI, and Will Hansen, University of Michigan

Fatigue Crack Growth Prediction for Concrete Beams and Slabs of Elastic Foundation
Jeffery R. Roesler, Associate Professor, University of Illinois, Urbana, IL; and Surendra P. Shah, Northwestern University

Fatigue Performance of Concrete Bridge Deck Slabs Reinforced with Glass FRP Composite Bars
Amr El Ragaby, University of Sherbrooke, Sherbrooke, QC, Canada, and Brahim Benmokrane and E. El Salakawy, University of Sherbrooke
Monday, April 23, 2007
2:00 pm - 5:00 pm

Designing Concrete Structures for Fire Safety
Salon A

Sponsored by Committee 216

Session Co-Moderators: Venkatesh Kumar R. Kodur
Professor
Michigan State University
East Lansing, MI

Long T. Phan
Research Structural Engineer
National Institute of Standards and Technology
Gaithersburg, MD

Introduction to ACI 216 Committee and Current Committee Activities 2:00 pm
Venkatesh Kumar R. Kodur, Professor, Michigan State University,
East Lansing, MI

Performance of High-Strength Concrete at High Temperature 2:05 pm
Long T. Phan, Research Structural Engineer, National Institute of Standards and Technology, Gaithersburg, MD

Effect of Slag on the Spalling Resistance of Concrete in Fire 2:30 pm
Jay G. Sanjayan, Associate Professor, Monash University,
Melbourne, VIC, Australia, and Maurice Guerrieri, Monash University

Development of Restraint Mechanisms in Precast Concrete Double-Tee Floor Systems Subjected to Fire Loading 2:55 pm
Stephen Pessiki, Professor and Chairperson, Lehigh University,
Bethlehem, PA

A Numerical Model for Predicting the Fire Behavior of Reinforced Concrete Beams 3:20 pm
Monther B.M. Dwaikat, PhD Candidate, Michigan State University, East Lansing, MI, and Venkatesh Kumar R. Kodur, Michigan State University

Fire Performance and Fire Research of Concrete Assemblies, Products, and Methods 3:45 pm
Stephen S. Szoke, Director Codes and Standards, Portland Cement Association, Skokie, IL

106
Designing Concrete Structures for Fire Safety

Post-Heating Residual Strength and Relaxation Stressing Properties of Pre-Steel and Significance for the Fire Performance of Unbonded Post-Tensioned Slabs
Colin C. MacDougall, Assistant Professor, Queen’s University, Kingston, ON, Canada, and K.J. MacLean and Luke A. Bisby, Queen’s University

Structural Fire Tests of Concrete Slabs, Beams, Columns, and Walls
Luc R. Taerwe, Professor, Magnel Lab for Concrete Research, Gent, Belgium
Monday, April 23, 2007
2:00 pm - 5:00 pm

Precast/Prestressed Concrete Structural Systems for the Future

Sponsored by Committee 550

Session Co-Moderators:
- Thomas J. D’Arcy
  Principal
  The Consulting Engineers Group
  San Antonio, TX
- Paul Johal
  Director, Research and Development
  Precast/Prestressed Concrete Institute
  Chicago, IL

Camber and Live-Load Performance of Prestressed Beams Subjected to Elevated and Conventional Release Stresses
Oguzhan Bayrak, Associate Professor, University of Texas at Austin, Austin, TX, and David Birrcher, University of Texas at Austin

Analytical Assessment of the Resistance of Precast Structures to Blast Effects
Clay J. Naito, Assistant Professor, Lehigh University, Bethlehem, PA

Unified Shear Design for Reinforced and Prestressed Concrete
Robert J. Frosch, Associate Professor, Purdue University, West Lafayette, IN

Post-Tensioned Precast Concrete Coupling Beams for Seismic Regions
Yahya C. Kurama, Associate Professor, University of Notre Dame, Notre Dame, IN, and Brad Weldon, University of Notre Dame

Bond Performance Evaluation of Self-Consolidating Concrete in Prestressed Concrete Applications
Robert J. Peterman, Associate Professor, Kansas State University, Manhattan, KS

Development of Design Methodology for Precast Concrete Diaphragms for Seismic Resistance
Robert B. Fleischman, Associate Professor, University of Arizona, Tucson, AZ; and Jose I. Restrepo, Associate Professor, University of California-San Diego, La Jolla, CA
Monday, April 23, 2007
2:00 pm - 5:00 pm

Toys for Teaching  
Salon D

Sponsored by Committee E802

Session Moderator: Kimberly E. Kurtis  
Associate Professor  
Georgia Institute of Technology  
Atlanta, GA

Laurel Dovich  
Professor  
Walla Walla College  
College Place, WA

*All demonstrations will run concurrently and repeatedly in this round-robin session from 2:00 pm to 5:00 pm.*

Teaching Students To Evaluate Results
James H. Hanson, Assistant Professor, Rose Hulman Institute, Terre Haute, IN

Check Out This Bad Concrete!
Margaret H. Reed, Senior Petrographer, Wiss, Janney, Elstner Associates, Northbrook, IL

The Column Squasher—A Way to Learn About Confined Concrete (and Have Fun, Too)
Andrew Budek-Schmeisser, Assistant Professor, Texas Tech University, Lubbock, TX, and Barbara Budek-Schmeisser, Texas Tech University

Low-Cost Frame Structures for Structural Dynamics and Performance-Based Seismic Design
Mark A. Aschheim, Associate Professor, Santa Clara University, Santa Clara, CA, and Gao Yang and Sally Wood, Santa Clara University

Physical Discrete and Continuous Dynamic Models
Mike Baseheart, Professor and Associate Department Head, University of Cincinnati, Cincinnati, OH, and Gian A. Rassati, University of Cincinnati
Toys for Teaching

Show and Tell on Concrete Materials
Michelle L. Wilson, Training Engineer, Portland Cement Association, Skokie, IL

Classroom Demonstrations for Concrete Materials Concepts
Jason H. Ideker, Graduate Research Assistant, Concrete Durability Center, Austin, TX
Monday, April 23, 2007
2:00 pm - 5:00 pm

SCC: Challenges and Solutions

Sponsored by Committee 237

Session Moderator: Celik Ozyildirim
Principal Research Scientist
Virginia Transportation Research Council
Charlottesville, VA

Rheological Properties of SCC
Kamal H. Khayat, Professor, University of Sherbrooke, Sherbrooke, QC, Canada

Moisture Tolerance in Self-Consolidating Concrete

Testing and Application of Self-Consolidating Concrete
Joseph A. Daczko, Product Line Manager, BASF Admixtures Inc., Hiram, OH

Modeling Formwork Pressure of Self-Consolidating Concrete
David A. Lange, Associate Professor, University of Illinois, Urbana, IL

Surface Appearance of Self-Consolidating Concrete:
Arthur T. Winters, Director of Marketing, Sika Corporation, Lyndhurst, NJ

Shrinkage and Creep of Self-Consolidating Concrete
Anton Karel Schindler, Assistant Professor, Auburn University, Auburn, AL, and Robert W. Barnes, Auburn University
Monday, April 23, 2007
5:00 pm - 6:00 pm

Women in ACI Reception

All registered convention attendees are invited to attend the Women in ACI Reception. This long-standing ACI tradition is a great opportunity to get to know other women in the concrete industry through networking and socializing. A hosted bar and light hors d’oeuvres will be served.
TAC 60th Anniversary Reception
(by invitation only)

Sponsored by the ACI Technical Activities Committee

TAC Task Group Chair: Michael E. Kreger, Professor
School of Civil Engineering,
and Director, Bowen Laboratory for
Large-Scale Civil Engineering Research,
Purdue University, West Lafayette, IN

Join members of the ACI Technical Activities Committee (TAC) as they reunite in Atlanta. All past and current TAC members and their guests are invited to attend this casual event. Start the night with light snacks and a cash bar. Suggested attire: TAC alumni shirts or casual attire.
Puerto Rico Convention Preview Reception  Grand A&B

All are invited to join the ACI Puerto Rico Chapter and get a preview of beautiful Puerto Rico. Come to the island and complement your ACI convention with a vacation. From hiking in a rain forest to conquering the largest Fortress in America, to dining on an infusion of classic and delectable Caribbean cuisine, to romantic walks on a moonlit beach—virtually any type of vacation interest can we accommodated in the land of your dreams, Puerto Rico.

This reception is free, but registration is requested.
Monday, April 23, 2007
7:30 pm - 10:00 pm

123 Forum: Is This Concrete Durable Enough?  Salon A

Sponsored by Committee 123

Session Moderator: Mohammad S. Khan
Senior Vice President
Professional Service Industries, Inc.
Herndon, VA

Introduction 7:30 pm
Mohammad S. Khan, Senior Vice President, Professional Service Industries, Inc., Herndon, VA

Experiences with Long-Term Durability of Concrete—The First 100 Years 7:35 pm
Timothy P. Dolen, Research Civil Engineer, Materials Engineering and Research Laboratory, U.S. Bureau of Reclamation, Denver, CO

How Can I Tell this Concrete is Potentially Durable? 7:45 pm
Peter C. Taylor, Principal Engineer and Manager, CTL Group, Skokie, IL

Is This Concrete Durable Enough? It Might Be! 7:55 pm
Kevin A. MacDonald, Vice President, Cemstone Concrete Products Co., Mendota Heights, MN

Being Good at Doing Good 8:05 pm
Kenneth Rear, Vice President of Research and Support, Heidelberg Cement Technology Center, Atlanta, GA

Durable Concrete—A State DOT’s Perspective 8:15 pm
Georgene M. Geary, State Materials and Research Engineer, Georgia Department of Transportation, Forest Park, GA

Are the Code Requirements Sufficient to Ensure Durable Concrete? 8:25 pm
Michael D.A. Thomas, Professor, Department of Civil Engineering, University of New Brunswick, Canada

Questions, Answers, and Discussion 8:35 pm
ACI Educational Committee Chairs are requested to attend this breakfast training session. This event provides an opportunity to meet with EAC members and other E-committee Chairs to discuss topics of interest to Committee Chairs. This session will focus on the issues of achieving and maintaining committee member balance to ensure smooth committee function. There will also be time available to discuss other items of interest to Chairs.
Conflicts can arise when engineers and contractors misunderstand one another. By clearly stating each party's position, many of these problems disappear. In this session, controversial topics will be presented and both contractors and engineers will be invited to state their views on the topic. The mission is to enlighten engineers to the real-life problems of contractors and to help contractors understand why engineers sometimes specify things that seem excessive. Topics to discuss, based on ASCC Position Statements, are:

- Hard troweling of air-entrained concrete
- Trowel marks on concrete flatwork
- Bug holes/surface finish expectations
- Tolerances for slabs—Division 3 versus Division 9; thickness tolerances; suspended slabs
- Moisture-sensitive floor coverings
- Anchor bolt tolerances

This is a panel discussion

Robert Simonelli, Director of Field Engineering Services, Structural Services Inc., New Smyrna Beach, FL

Terry Collins, Concrete Construction Engineer, Portland Cement Association, Skokie, IL

Tommy Ruttura, CEO, Ruttura & Sons Construction Co., Inc., W. Babylon, NY

Brad Inman, Consultant, Ashland, OR

Fred Keith, CEO, Atlanta Bonded Warehouse Company, Kennesaw, GA
Results of NCHRP Projects on High-Strength Concrete
Salon A

Sponsored by Committees 343, 363, and 423

Session Moderator: Bruce Kates
Project Manager/Engineer
Jacobs Civil Inc.
St. Louis, MO

Background to the NCHRP Projects 9:05 am
Henry G. Russell, Engineering Consultant, Henry G. Russell Inc.,
Glenview, IL

Project 2-56 Shear Provisions 9:20 am
Daniel A. Kuchma, Assistant Professor, University of Illinois, Urbana,
IL, and Neil M. Hawkins, University of Illinois

Project 2-60 Transfer Length, Development Length,
and Splice Provisions; Non-Prestressed Reinforcement;
and Prestressing Strand 10:05 am
Julio A. Ramirez, Professor, Purdue University, West Lafayette, IN,
and Bruce W. Russell, Oklahoma State University

Project 2-64 Flexural and Axial Force Provisions 10:50 am
Sami H. Rizkalla, Professor, North Carolina State University, Raleigh,
NC; Amir Mirmiran, Florida International University; and Paul Zia,
North Carolina State University

Implementation of Results into the AASHTO Specifications 11:35 am
David P. Hohmann, Design Section Director, Bridge Division
Texas DOT, Austin, TX
Concrete Heat Development: Monitoring and Evaluation, Salon B
Part 1

Sponsored by Committees 231, 236, and 325

Session Co-Moderators: Kejin Wang
Associate Professor
Iowa State University
Ames, IA

Anton Karel Schindler
Assistant Professor
Auburn University
Auburn, AL

What Can We Learn From Monitoring Concrete Temperature? 9:05 am
Peter C. Taylor, Senior Engineer, CTLGroup, Skokie, IL, and
John W. Gajda, CTLGroup

Influence of Hydration on Heat Capacity and Thermal Conductivity of Cement Pastes 9:35 am
Dale P. Bentz, Chemical Engineer, National Institute of Standards and Technology, Gaithersburg, MD

Monitoring and Evaluation of Cement Hydration by Semi-Adiabatic Field Calorimetry 10:05 am
Paul J. Sandberg, Senior Research Engineer, W.R. Grace & Co., Cambridge, MA; Marc Zacharias, W.R. Grace & Co.; and Sergey Liberman, Solidus Integration, USA

Calorimetry Performed On-Site: Methods and Uses 10:35 am
Kyle Austin Riding, Graduate Student/PhD Candidate, University of Texas at Austin; Anton Karel Schindler, Auburn University; and Jonathan L. Poole, Kevin J. Folliard, and Maria G. Juenger, University of Texas at Austin

Use of Thermal Measurements to Detect Potential Incompatibilities of Common Concrete Materials 11:05 am
V. Tim Cost, Senior Technical Service Engineer, Holcim (US) Inc., Canton, MS, and Gary F. Knight, Heidelberg Cement Group
Tuesday, April 24, 2007
9:00 am - 12:00 pm

Building Green with ICFs, Part 1

Sponsored by Committee 560

Session Moderator: Carla V. Yland
President
Yland Research and Consulting LLC
Irvine, CA

Overview PCA ICF Prescriptive Design Guide/Standard 9:05 am
Joseph J. Messersmith, Coordinating Manager, Regional Code Services, Portland Cement Association, Rockville, VA

ICF Code Approvals 9:45 am
Robert E. Sculthorpe, Engineer, Consultant, FormTech Concrete Forms, Inc., Port Hope, ON, Canada

Building Science and Implications for ICFs 10:15 am
Vera Novak, Technical Services Manager, Insulating Concrete Forms Association, Glenview, IL

Dynamics of ICF Construction and Why It Works 10:45 am
Ed Trinkle, President, Ed Trinkle/ICF Builders, Blenheim, NJ

ICFs and Habitat for Humanity—Big Benefits for Small Homes 11:25 am
Ron Ardes, President, Reddiform Inc., Butler, NJ
Tuesday, April 24, 2007
9:00 am - 12:00 pm

Specifications Workshop

Sponsored by TAC Specifications

Session Moderator: Arthur T. Weiss
Technical Supervisor
Versa-Flex Incorporated
Conyers, GA

Introduction to TSC and ACI Specifications 9:00 am
Nicholas J. Carino, Concrete Materials Consultant (Retired), Gaithersburg, MD

ACI Process for Development of Specifications 9:10 am
Nicholas J. Carino, Concrete Materials Consultant (Retired), Gaithersburg, MD

ACI Specification in Context of Project 9:30 am
Arthur T. Weiss, Technical Supervisor, Versa-Flex Incorporated, Conyers, GA

ACI Specification Format 10:10 am
Aimee Pergalsky, Executive Director, NE Ohio Concrete Promotion Council, Shaker Heights, OH

Specification Language and Style 10:50 am
Jeffrey W. Coleman, Attorney at Law, Coleman Hull and Van Vliet, Minneapolis, MN, and Alfred L. Kaufman, CEMEX

Questions and Answers 11:45 am
Contractors’ Day Lunch  Grand A
$42 U.S. per person

Hosted by the Construction Liaison Committee and the ACI Georgia Chapter

Speaker:  Harry Moats
Chief Operating Manager
L. M. Scofield Company
Atlanta, GA

Topic:  Decorative Concrete—It Doesn’t Have to Be Flat Anymore!

Harry Moats will discuss how to evaluate, set up, and execute vertical decorative concrete projects for the best results and a quality job. These are the things that a contractor needs to know about vertical decorative work versus conventional flatwork decorative work. This is essentially the “do’s and dont’s” of vertical concrete construction. Engineers, architects, and contractors will find this presentation very beneficial to their practice.

Tickets may be purchased at the ACI Registration Desk up to 24 hours prior to the event, based on availability. Please notify the ACI Registration Desk if you have any dietary restrictions.

Separate fee required
Building Green with ICFs, Part 2: Departs Main Lobby
Southface Eco Office Hard Hat Tour

Sponsored by Committee 560

Session Moderator: Carla V. Yland
President
Yland Research & Consulting LLC
Irvine, CA

This session will be a case study of the exciting newly-opened Southface Eco Office building in Atlanta, as a Platinum LEED building constructed with ICFs. Speakers will discuss the architectural, design, and construction aspects of the project. A tour of the facility will also be provided.

The afternoon session is FREE to attend, but preregistration is required. Transportation will depart from the main lobby.
Tuesday, April 24, 2007
1:45 pm - 5:00 pm

Pervious Concrete Demo at Departs Main Lobby
Southface Eco Office

Session Co-Moderators: Robin Houghton
Precision Concrete Construction Inc
Alpharetta, GA

Gordon Kenna
Executive Director
Georgia Concrete & Products Association
Tucker, GA

A demonstration of pervious concrete will be done on the sidewalk and entry in front of the Southface Eco Office. The Southface Eco Office is an ICF construction building planned as a platinum LEED certified structure. One objective of this demonstration is to obtain the City of Atlanta’s approval of a specification for pervious pavement for sidewalks.

This demonstration is FREE, but you must pre-register to attend. Transportation will depart from the main lobby.
Tuesday, April 24, 2007
2:00 pm - 5:00 pm

Open Paper Session

Sponsored by Committee 123

Session Co-Moderators: Narayanan Neithalath
                        Assistant Professor
                        Clarkson University
                        Potsdam, NY

                      Prasad Rangaraju
                      Assistant Professor
                      Clemson University
                      Clemson, SC

Development of a New Test Method for Instantaneous
Determination of the Water-to-Cement Ratio of Fresh Concrete
Mauricio Mancio, Student, University of California at Berkeley,
Berkeley, CA, and Jeffrey R. Moore, Paulo J.M. Monteiro, and Steven
D. Glaser, University of California at Berkeley

Finite-Element Simulations on Punching Tests of
Shear-Retrofitted Slab-Column Connections
Anita Negele, Institute of Construction Materials, University of Stuttgart,
Stuttgart, Germany, and Maria A. Polak, University of Waterloo

Modeling the Effect of Fly-Ash on the Sulfate Diffusion
and Expansion of Concrete
Aboozar Bonakdar, University of Tehran, Tehran, Iran, and Barzin
Mobasher, Arizona State University

Damage Assessment of Concrete Panels under
Impact Loading Based on Laminography Technique
Fariborz Vossoughi, PhD Student, University of California at Berkeley,
Davis, CA; Claudia P. Ostertag and Paulo J. M. Monteiro, University
of California at Berkeley; and Richard Albert, Digiray Corporation

Effectiveness of Fly Ashes in Mitigating ASR Induced
by Deicing Chemicals
Jigar Desai, Graduate Research Assistant, Clemson University, Clemson,
SC, and Prasad R. Rangaraju, Clemson University
Tuesday, April 24, 2007
2:00 pm - 5:00 pm—cont.

Open Paper Session

Evaluation of Multiple Corrosion Protection Systems for Reinforced Concrete Bridge Decks
Jason Draper, Graduate Research Assistant, Lawrence, KS, and David Darwin, JoAnn P. Browning, and Lihua Xing, University of Kansas

Deflection Hardening Hybrid Fiber-Reinforced Concrete (HyFRC) for Use in Bridge Approach Slabs
Joshua Blunt, Graduate Student Researcher, University of California at Berkeley, San Leandro, CA, and Claudia Ostertag, University of California at Berkeley

Punching Shear Strength of Slabs with Circular Openings and Reinforcing Effects of Steel Pipes Embedded in Openings
Taehun Ha, Researcher, Daewoo Institute of Construction Technology, Suwon, Gyeonggi-do, South Korea, and Bohwan Oh and Myungho Lee, Daewoo Institute of Construction Technology
Tuesday, April 24, 2007
2:00 pm - 5:00 pm

Blind Prediction of the Response of Building Beam-Column Joints to Earthquake Loading, Part 1
Salon C
Sponsored by Committee 447

Session Moderator: Laura N. Lowes
Assistant Professor
University of Washington
Seattle, WA

Introduction 2:00 pm
Laura N. Lowes, Assistant Professor, University of Washington, Seattle, WA

Earthquake Response of Beam-Column Building Joints 2:10 pm
Hitoshi Shiohara, Associate Professor Department of Architecture, University of Tokyo, Tokyo, Japan

Three-Dimensional Analysis of Reinforced Concrete Beam-Column Joints 2:45 pm
Giovacchino Genesio, University of Stuttgart, Stuttgart, Germany; Rolf Elgehausen, University of Stuttgart; and Jasko Ozbolt, Inst/ Werkstoffe-Bauwesen

Blind Analysis of Reinforced Concrete Beam-Column Joint Tests by FEM 3:10 pm
Hiroshi Morikawa, Kajima Technical Institute, Kajima Corporation, Tokyo, Japan

Three Dimensional FEM Analysis on Seismic Resistance Structural Performance of Reinforced Concrete Beam-Column Joints Subjected to Reversed Cyclic Loads 3:35 pm
Tsutomu Ogawa, Nihon University, Chiba, Japan, and Hiromi Adachi, Kunimoto Yamanaka, Mitsukazu Nakanishi, and Richie Caibal, Nihon University

Blind Analysis of Reinforced Concrete Beam-Column Joints Subjected to Multi-Axial Combined Loadings Using 3D Nonlinear FEM 4:00 pm
Hiroshi Noguchi, Professor, Chiba University, Chiba, Japan, and Satoshi Murayama, Takashi Kashiwazaki, and Yoshihiko Watanabe, Chiba University
Blind Prediction of the Response of Building Beam Column Joints to Earthquake Loading, Part 1

Finite-Element Analysis of Reinforced Concrete Beam-Column Joint Subassemblages under Cyclic Loading
Michael D. Kotsovos, National Technical University of Athens, Athens, Greece, and Dimitrios Cotsovos, National Technical University of Athens
Tuesday, April 24, 2007
2:00 pm - 5:00 pm

Concrete Heat Development: Modeling and Prediction, Part 2
Salon B

Sponsored by Committees 231, 236, and 325

Session Co-Moderators: Anton K. Schindler
Assistant Professor
Auburn University
Auburn, AL

Kejin Wang
Associate Professor
Iowa State University
Ames, IA

Hydration Study of Cementitious Materials Using Isothermal and Semi-Adiabatic Calorimetry
2:05 pm
Jonathan L. Poole, Research Assistant, University of Texas at Austin, Austin, TX; Kevin J. Folliard, Kyle A. Riding, Maria G. Juenger, University of Texas at Austin; and Anton K. Schindler, Auburn University

Characterization of Concrete Paving Mixtures with HIPERPAV
2:35 pm
J. Mauricio Ruiz, Project Manager, The Transtec Group Inc., Austin, TX; Robert O. Rasmussen, The Transtec Group Inc.; and Ted R. Ferragut, TDC Partners Ltd.

Modeling the Heat Development of Concrete Associated with Cement Hydration
3:10 pm
Claus V. Nielsen, Senior Consultant, Danish Technological Institute, Taastrup, Denmark

An Overview of Heat Signature Technology and Its Application to Proposed Concrete In-Place Thermal Cracking and Field Curing Indices
3:40 pm
Farro F. Radjy, President, Digital Site Systems Inc., Pittsburgh, PA

Online Prediction of Strength Development in Precast Production Based on Cement Reaction Model
4:10 pm
Aulis Kappi, Project Manager, Consolis Technology Oy, Rusko, Finland, and Erik Nordenswan, Consolis Technology Oy
Tuesday, April 24, 2007
2:00 pm - 5:00 pm

Advances in Service Life Models that Consider Multiple Sources of Deterioration

Sponsored by Committees 365 and 446

Session Co-Moderators: Tracy Marcotte
Associate
CVM Facilities Renewal
Wayne, PA

Jason Weiss
Associate Professor
Purdue University
West Lafayette, IN

Recent Advances in Service Life Modeling
2:05 pm
Evan C. Bentz, Assistant Professor, University of Toronto, Toronto, ON, Canada, and Michael D.A. Thomas, University of New Brunswick

A Comprehensive Model for the Prediction of the Behavior of Concrete Exposed to Chemically Aggressive Environments
2:30 pm
Jacques Marchand, Professor, Laval University, Quebec City, QC, Canada, and Eric Samson, Simco Technologies Inc.

A Probabilistic Cumulative Damage Model for Service Life Prediction of Concrete Structures under Various Load Processes
3:00 pm
Zoubir Lounis, Research Officer and Group Leader, National Research Council, Ottawa, ON, Canada

The Influence of Cracking on Absorption and Diffusion
3:30 pm
Jason Weiss, Associate Professor, Purdue University, West Lafayette, IN, and Mette Geiker, Danish Technical University

The Corrosion of Steel in Dynamically Loaded Reinforced Concrete
4:00 pm
Carolyn M. Hansson, Professor, University of Waterloo, Waterloo, ON, Canada, and S.J. Jaffer, University of Waterloo

Modeling the Effects of pH-Altering Processes on the Free Chloride Concentration in Concrete
4:30 pm
O. Burkan Isgor, Assistant Professor, Carleton University, Ottawa, ON, Canada, and Pouria Ghods and Mohammad Pour-Ghaz, Carleton University
Seismic Analysis and Design of Bridge Foundations

Sponsored by Committee 341

Session Moderator: Adolfo B. Matamoros
Assistant Professor
University of Kansas
Lawrence, KS

Direct Displacement-Based Design of Drilled Shaft and Pile Bent
Mervyn J. Kowalsky, Associate Professor, North Carolina State University, Raleigh, NC, and Vinicio Suarez, North Carolina State University

Multi-Platform Analysis of Meloland Road Overcrossing Bridge with Consideration of Soil-Structure Interaction
Oh-Sung Kwon, Graduate Research Assistant, University of Illinois at Urbana-Champaign, Urbana, IL, and Amr S. Elnashai, University of Urbana-Champaign

Rational Transverse Reinforcement Detailing for Precast Prestressed Piles
Andrew Budek, Assistant Professor, SW Texas State University, San Marcos, TX, and Gianmario Benzoni, University of California

Nonlinear Modeling of Seismic Bridge Columns Supported by Deep Foundations
Sri Sritharan, Assistant Professor, Iowa State University, Ames, IA, and Liam Wotherspoon, The University of Auckland

Field Testing of Full-Scale Bridge Foundation Systems Test Results and Modeling Studies
John W. Wallace, Associate Professor/PhD, University of California-Los Angeles, Los Angeles, CA, and Eric Ahlberg, University of California-Los Angeles

Modeling Nonlinear Behavior of Shallow Foundations for Soil-Structure Interaction Analysis of Bridges
Jian Zhang, Assistant Professor, University of California-Los Angeles, Los Angeles, CA, and Yuchuan Tang, University of California-Los Angeles
Tuesday, April 24, 2007
2:00 pm - 5:00 pm—cont.

Seismic Analysis and Design of Bridge Foundations
Salon E

Bridge Foundation—Seismic Design Considerations
4:05 pm
Harminder Singh, Bridge Design Engineer, J.B. Barry and Partners, Dublin, Ireland
Faculty Network Reception

Hosted by Committee E803

Faculty members and students are invited to attend this informal reception where you'll have a chance to exchange ideas and network. Light hors d'oeuvres will be served.

Tuesday, April 24, 2007
5:00 pm - 6:00 pm
Concrete Mixer at the Georgia Aquarium

Don’t miss this unforgettable evening! The Concrete Mixer will be held at the Georgia Aquarium. Set among exotic fish and fauna, this location is truly unique. Sponsored by the ACI Georgia Chapter, the aquarium will be open entirely and exclusively for Concrete Mixer attendees!

You must have a name badge to attend the Concrete Mixer. Bags and purses are discouraged as you will be required to go through a security screening.

Shuttle transportation will depart from the main lobby. Shuttles will run continuously between the hotel and the Georgia Aquarium beginning at 6:00 pm.
Wednesday, April 25, 2007
9:00 am - 12:00 pm

Recent Developments in the Use of Polymer Concrete and Materials
Salon A

Sponsored by Committee 548

Session Moderator: Milton D. Anderson
President
DJA Consultants
Casper, WY

The Role of Polymer Concrete in the Containment of Low-Level Nuclear Waste
Richard Prusinski, President/Principal, Polymer Concrete Consultants, Inc., Bloomfield Hills, MI

Concrete Pavement Spall Repair Using Polymer Concrete
David W. Fowler, Professor of Civil Engineering, University of Texas at Austin, Austin, TX

Examining Bond Characteristics of Polymer Modified Concrete With Normal High-Performance Concrete
Mahmoud M. Reda Taha, Assistant Professor, University of New Mexico, Albuquerque, NM

Very Early Strength Latex Modified Concrete Overlays
Chris Davis, Northeastern Manager, CTS Cement Mfg. Corp., Belmar, NJ

Epoxy Asphalt Polymer Concrete on Orthotropic Steel Bridge Decks in China
Robert W. Gaul, Construction Polymer Tech, Chemco Systems Inc., Redwood City, CA

Underwater Repairs Using Epoxy Polymer Concrete
Brad Nemunaitis, Director Technical Services, Tamms Industries, Kirkland, IL

Sulfur Concrete—Its Place in the 21st Century
Garth J. Fallis, Director Technical Services, Vector Construction Group, Winnipeg, MB, Canada

Ice and Snow Melting Epoxy Overlays in Virginia
Michael M. Sprinkel, Associate Director, Virginia Transportation Research Council, Charlottesville, VA

Blind Prediction of the Response of Building Beam-Column
Salon C

135
Wednesday, April 25, 2007
9:00 am - 12:00 pm

Joints to Earthquake Loading, Part 2

Sponsored by Committee 447

Session Moderator: Hitoshi Shiohara
Associate Professor
University of Tokyo
Tokyo, Japan

Introduction 9:00 am
Hitoshi Shiohara, Associate Professor, University of Tokyo, Tokyo, Japan

Phased Analysis-Based Strategy for Blind Predictions of Reinforced Concrete Beam-Column Joints—How Can We Arrive at Reliable Prediction by 3D Nonlinear FEN? 9:05 am
Nobuaki Shirai, Professor, Nihon University, Tokyo, Japan, and Kazuki Tajima and Hiroshi Hashimoto, Nihon University

Three-Dimensional Nonlinear FE-Analysis of Reinforced Concrete Beam-Column Joint under Cyclic Loading for Blind Analysis 9:30 am
Kenji Yonezawa, Obayashi Corporation, Tokyo, Japan, and T. Anabuki and K. Naganuma

Blind Analysis of Reinforced Concrete Beam-Column Joints Subjected to Multi-Axial Combined Loadings Using DIANA 9:55 am
Hiroaki Noguchi, Engineer, Tokyo Electric Power Service Co. Ltd., Tyo, Japan, and Takashi Kashiwazaki, Satoshi Murayama, and Yoshihiko Watanabe, Chiba University

Evaluation of a Reinforced Concrete Beam-Column Joint 10:20 am
Super-Element
Nilanja Mitra, Assistant Professor, California Polytechnical State University, San Luis Obispo, CA, and Laura N. Lowes, University of Washington

Hysteresis Modeling of Beam-to-Column Connections 10:45 am
Burcu Burak Canbolat, Assistant Professor, Middle East Technical University, Ankara, Turkey
Blind Prediction of the Response of Building Beam-Column Joints to Earthquake Loading, Part 2

Simplified Proposed Expression for Shear Strength and Associated Distortion Calculation

Dimitris Timosidis, Graduate Student Researcher, Demokritus University of Thrace, and Stavroula J. Pantazopoulou, Demokritus University of Thrace

Comparison of Modeling Techniques for Reinforced Concrete Beam-Column Joints under Seismic Loading

Laura N. Lowes, Assistant Professor, University of Washington, Seattle, WA
Wednesday, April 25, 2007
9:00 am - 12:00 pm

CLSM Technology Update: New and Innovative Uses
Salon E

Sponsored by Committee 229

Session Co-Moderators:
Thomas A. Fox
Manager Technical Support West
Headwaters Resources, Inc.
Renton, WA

Charles E. Pierce
Associate Professor
University of South Carolina
Columbia, SC

Introduction: 9:00 am
Thomas A. Fox, Manager Technical Support West, Headwaters Resources, Inc., Renton, WA, and Charles E. Pierce, University of South Carolina

CO2 Sequestration through CLSM-Based Products: 9:05 am
Bruce W. Ramme, Manager Land Quality, We Energies, Milwaukee, WI

Use of Pulp and Paper Mill Fibrous Residuals to Produce Excavatable CLSM: 9:35 am
Yoon-Moon Chun, Research Associate, UWM Center for By-Products Utilization, Milwaukee, WI, and Tarun R. Naik and Rudolph N. Kraus
University of Wisconsin-Milwaukee

LD-CLSM: Very Low-Density Flowable Fill for Roadway Construction Applications: 10:05 am
Leo A. Legatski, President, Elastizell Corp. of America, Ann Arbor, MI, and Edward (Ned) M. Glysson, Elastizell Corp. of America

Effects of Cement Kiln Dust Content and Chemical Composition on CLSM Properties: 10:35 am
Charles E. Pierce, Associate Professor, University of South Carolina, Columbia, SC, and Rucker J. Williams, Bechtel Savannah River, Inc.

Colored Flowable Fill Applications: 11:05 am
Frank A. Kozeliski, Materials Engineer/President, Gallup Sand and Gravel Co., Gallup, NM
Wednesday, April 25, 2007
9:00 am - 12:00 pm

Concrete Pedestrian Bridges

Sponsored by Committee 343

Session Moderator: Steven L. Stroh
Bridge Group Manager
URS Corporation
Tampa, FL

Hiawatha Cable-Stayed Pedestrian Bridge 9:05 am
David Jeakle, Senior Bridge Engineer, URS Corporation, Tampa, FL

Pedestrian-Induced Vibrations of Footbridges— 9:40 am
Analysis and Control
Stoyan Stoyanoff, Rowan Williams Davies and Irwin, Inc., Guelph, ON, Canada

142nd Avenue Pedestrian Bridge 10:15 am
Doug Sarkkinen, Principal, Kramer Gehlen and Assoc., Vancouver, WA

Strength and Stability of Prestressed Concrete 10:50 am
Through-Girder Pedestrian Bridges Subjected to Overheight Vehicle Impact
Eray Baran, Structural Engineer, Walter P Moore and Associates, Las Vegas, NV, and Arturo E. Schultz and Catherine E. French, University of Minnesota

Stress Ribbon Pedestrian Bridges 11:25 am
Jiri Strasky, Strasky and Anatech, San Diego, CA
Concrete with Recycled Materials, Part 1

Sponsored by Committee 555

Session Co-Moderators:

Christian Meyer
Professor of Civil Engineering
Columbia University
New York, NY

Tarun R. Naik
Academic Program Director
University of Wisconsin-Milwaukee
Milwaukee, WI

Recycled Concrete Aggregate 9:05 am

David L. Gress, Chairman, Civil Engineering Department, University of New Hampshire, Durham, NH, and Beatrix Kerkhoff, Portland Cement Association

Crushed Returned Concrete as Aggregate for New Concrete 9:30 am

Karthik H. Obla, Director of Research and Materials Engineering, National Ready Mixed Concrete Association, Silver Springs, MD, and Haejin Kim, National Ready Mixed Concrete Association

Use of Post-Consumer Glass as Concrete Aggregate 9:55 am

Christian Meyer, Professor of Civil Engineering, Columbia University, New York, NY

Behavior of Cement Pastes Modified with Glass Powder Filler 10:20 am

Narayanan Neithalath, Assistant Professor, Clarkson University, Potsdam, NY, and Nathan Schwarz, Clarkson University

Recycling Tire Rubber in Cement-Based Materials 10:40 am

Mahmoud R. Taha, Assistant Professor, The University of New Mexico, Albuquerque, NM, and Moncef L. Nehdi, University of Western Ontario

Wednesday, April 25, 2007
9:00 am - 12:00 pm
Wednesday, April 25, 2007
12:00 pm - 2:00 pm

✓ International Lunch  Cobb/Clayton
$44 U.S. per person

Hosted by the International Committee

Speakers:
- Fouad Yazbeck
  Technical Director
  Readymix Abu Dhabi Ltd.
  Dubai, UAE
- Rabih Fakih
  Admixtures Product Manager
  SODAP (Admixture Chemical Company)
  Dubai, UAE

Topic: High Durability Concrete in the Palm Jumeirah Project, Dubai, UAE

This is one of the most extensively engineered and designed projects in the world and is being built under extreme conditions due to the weather, temperatures as high as 110 °F, and location on fill in the Persian Gulf. The islands being developed had to have an 1,800-foot section of 6.83 mile breakwater constructed to keep waves from impeding the construction. The first 900-foot section took 8 months to build and consisted of dumped sand rubble and 6-ton rocks. Global positioning satellites guided ships to the correct locations where they placed sand fill that was compacted by vibration. The finished area will include 32 hotels and will house approximately 120,000 residents in waterfront villas.

Tickets may be purchased at the ACI Registration Desk up to 24 hours prior to the event, based on availability. Please notify the ACI Registration Desk if you have any dietary restrictions.

✓ Separate fee required
Wednesday, April 25, 2007
2:00 pm - 5:00 pm

History of Concrete
Sponsored by Committee 120

Session Co-Moderators: Billie (Wilma) G. Snell
Educational Research Consultant
Tempe, AZ

Lawrence H. Taber
Structural Engineer
Black and Veatch
Kansas City, MO

The South Dakota State Cement Plant
2:00 pm
M. R. Hansen, Professor, South Dakota School of Mines and Technology, Rapid City, SD

A Brief History of the Centre Street Bridge
2:20 pm
Lisa R. Feldman, Assistant Professor, University of Saskatchewan, Saskatoon, SK, Canada

Rainbow Arch Bridges
2:40 pm
Kimberly Waggle Kramer, Assistant Professor, Kansas State University, Manhattan, KS

History of Cement and Concrete in Georgia
3:00 pm
Roy H. Keck, Executive Director, Lafarge NA, Alpharetta, GA

Concrete Pavement Designs in the Original Interstate System
3:20 pm
Kurt D. Smith, Program Director, Applied Pavement Technology Inc., Urbana, IL

The Hoover Dam, 1931-1935: Its Construction
3:40 pm
Luke M. Snell, Director of Concrete in Management Program, Arizona State University, Tempe, AZ

Fortresses Without Roofs—The Maginot Line and the Atlantic Wall
4:00 pm
Andrew Budek-Schmeisser, Assistant Professor, Texas Tech University, Lubbock, TX, and Barbara Budek-Schmeisser, Texas Tech University

142
Wednesday, April 25, 2007
2:00 pm - 5:00 pm—cont.

History of Concrete

History of Cement and Concrete in India: A Paradigm Shift  4:20 pm
Jayant D. Bapatm, Professor and Head Chemical Engineer, AISSMS
College of Engineering, Pune, India, and Chetan V. Hazaree, Iowa
State University

Scotty’s Castle  4:40 pm
Laurel M. Dovich, Associate Professor, Walla Walla College, College
Place, WA
Wednesday, April 25, 2007
2:00 pm - 5:00 pm

Use of Field-Measured Data for Strength Evaluation of Existing Structures

Sponsored by Committee 437

Session Co-Moderators: K. Nam Shiu
Senior Project Manager
Walker Restoration Consultants
Chicago, IL

Joseph A. Amon
Senior Consultant
Ardaman Associates Inc.
Tampa, FL

Testing Required by ACI Documents
Joseph A. Amon, Senior Consultant, Ardaman Associates Inc., Tampa, FL

Evaluation of an Existing P/T Structure for Potential Structural Modification
Daniel E. Moser, Senior Engineer, Walker Parking Consultants, Elgin, IL

Evaluation of Existing Structures Using Non-Destructive Testing
Carl J. “Chuck” Larosche, Consultant, Wiss, Janney, Elstner Associates Inc., Austin, TX

Case Studies of Extracting Concrete Properties from Existing Structures for Strength Evaluation
John A. Frauenhoffer, President, Frauenhoffer and Associates PC, Champaign, IL

Field Measurements for Existing Structures
Ashok M. Kakade, Principal Engineer, Concrete Science, Inc., Hayward, CA

Field Testing and Measurements for Concrete Structures
Jay Thomas, Vice President, Structural Group, Inc., Elkridge, MD
Concrete with Recycled Materials, Part 2

Sponsored by Committee 555

Session Co-Moderators: Tarun R. Naik
Academic Program Director
University of Wisconsin-Milwaukee
Milwaukee, WI

Christian Meyer
Professor of Civil Engineering
Columbia University
New York, NY

Paper Industry Fibrous Residuals in Concrete and CLSM

2:05 pm

Tarun R. Naik, Academic Program Director, University of Wisconsin-Milwaukee, Milwaukee, WI, and Rudolph N. Kraus, University of Wisconsin-Milwaukee

Uses of Recycled Plastics in Concrete

2:30 pm

Joe Hagerman, Building Technologies Projects Manager, American Federation of Scientists, Washington, DC

Blast-Furnace Slags

2:55 pm

Caijun Shi, Principal Scientist, W.R. Grace & Co., Cambridge, MA

Manufactured Lightweight Aggregate

3:20 pm

Bruce W. Ramme, Manager Land Quality, WE Energies, Milwaukee, WI

Suspension Trail Bridge Using Recycled Materials

3:45 pm

Brad Miller, Senior Bridge Project Manager, HDR Engineering, Missoula, MT

Recycled Spent Mushroom Substrate in Concrete Mix

4:05 pm

Chiu C. Liu, Assistant Professor, Villanova University, Villanova, PA

Beneficial Use of Dredged Material

4:30 pm

Christian Meyer, Professor of Civil Engineering, Columbia University, New York, NY
This 1-day seminar is based on the 2006 provisions of ACI 350 and ACI 350.3, and is for consulting engineers, private industrial firms, government agencies, material suppliers, testing agencies, academia, and contractors. You will become familiar with the design requirements of LCS, and design examples to illustrate practical applications will be presented. This seminar will also cover durability, joints, loads, serviceability, and the design of prestressed and non-prestressed members. Complimentary publications, valued at $202.00, include: ACI 350-06, ACI 350.3-06, and Course Notes.
You can earn Professional Development Hours (PDHs) for attending convention sessions. For your records, use the form found between pages 143 and 144 to keep track of the activities you completed and the amount of credit you may have earned.

One PDH is equal to one contact hour of instruction or presentation, rounded down to the nearest half hour.

Please do not return this form to ACI. It is recommended that individuals contact their state Boards of Registration for detailed information regarding continuing education.

Instructions:
• Check off each session you attended.
• Write in the number of PDH credits you may have earned that day.
• Contact your state Board of Registration for detailed information regarding continuing education.
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