

# NEWSLETTER



## INSIDIE THIS ISSUE:

|                               |   |
|-------------------------------|---|
| President's Message           | 1 |
| Upcoming Events & Member News | 2 |
| ACI Fall Convention           | 3 |
| ASCC Position...              | 4 |
| Meeting Notice                | 5 |

### 2010 GEORGIA CHAPTER OFFICERS:

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Brent Bandy

## \*PRESIDENT'S MESSAGE\*

Fall is right around the corner, and my kids are dreading the weeks of raking and bagging leaves. Each fall we see a reminder of the transient nature of this life, or at least of the cycles of life and death. Those lawns and gardens that we worked so hard to plant will die and wither right under our feet.

The same goes for the structures and infrastructures that we build. From an idea to a built environment, and then to rubble is the cycle of our industry, albeit with a little longer time frame. When we talk in our industry of sustainability, we usually end up talking about fly ash and green roofs. I believe a much more powerful idea is durability and life-cycle analysis. If we can spend a few more bucks now, or even take just a little more care, we can add 10, 20 , maybe 30 years to the life of what we build today.

The latest issue of *Concrete International* focuses on concrete in extreme environments. ACI has summarized and codified a wealth of knowledge and best practices related to durability of concrete construction for harsh environments. Even in moderate exposures, proper design and detailing, material selection, mix design proportioning, reinforcing placement, and other types of design and installation quality control are absolutely essential to building durability into our projects. Although I have seen a few older structures that are 40+ years old with almost no signs of deterioration, where obvious care was taken in their design and construction, I have seen many more structures where that was not the case. What better way to be sustainable than to take that extra step to ensure the durability of our structures. This may not be your granddaddy's concrete, but I hope it's your grandkids' concrete!

Brent Bandy, P.E., LEED® AP  
Georgia Chapter ACI, President



### UPCOMING EVENTS

Friday, September 24, 2010

GA Chapter ACI Lunch Meeting

"Polished Concrete Floors"

Speaker: David Earnest, SMS

Marriott Buckhead Hotel & Conf. Ctr.  
Atlanta, GA

11:30 am Registration

12:00 pm - 1:30 pm Lunch Meeting

Information & Registration at:  
[www.georgiachapteraci.org](http://www.georgiachapteraci.org)



Saturday, October 2, 2010

ACI Concrete Construction Special  
Inspector Certification Exam

GC&PA Headquarters  
Lake Level Conference Room

Tucker, GA

7:30 am – 1:00 pm



Thursday, October 7, 2010

ACI Field Tech Training

GC&PA Headquarters  
Lake Level Conf. Room

Tucker, GA

12:30 am – 4:30 pm



Saturday, October 16, 2010

ACI Field Tech Exam

Heidelberg Technology Center  
Doraville, GA

7:30 am – 1:00 pm



Friday, October 22, 2010

GA Chapter ACI Lunch Meeting

MARK YOUR CALENDERS!!!!!!!

Sunday thru Thursday,  
October 24–28, 2010

ACI International Fall Convention

The Westin Convention Center Hotel  
Pittsburgh, PA

Information & Registration at:  
[www.aciconvention.org](http://www.aciconvention.org)



# \*\*\* Member News \*\*\*

We covered most of our member news and information in our very lengthy *Summer Edition Newsletter*, hope you 'all enjoyed it!. This edition is much shorter with some updates and reminders to help get you in gear for the "restart" of our monthly meetings which begin this Friday, September 24, 2010.

## New Member

We had one new member join over the summer,  
please welcome:



**Alan B. Comer**  
Kalman Floor Company  
Woodstock, GA



\*\*\*\*\*

Remember to tell your friends:

Membership is only \$40 annually and application is easy.  
Visit our web site: [www.georgiachapteraci.org](http://www.georgiachapteraci.org) for more information and an easy to submit application.

GA Chapter ACI Push to Restart!



September Lunch Meeting  
September 24, 2010

See Meeting Announcement  
On Page 5



Important Note: ACI Training & Exams are for Pre-registered Persons Only.

\*\*No walk up seating available\*\*

For Information go to:

[www.cabofgeorgia.org](http://www.cabofgeorgia.org)

**Some more information On  
ACI's National Convention  
this Fall....**



## ACI BRINGS GREEN CONCRETE TO THE STEEL CITY

*Convention to feature Sustainability Forum III, AIA and USGBC approved technical sessions*

**FARMINGTON HILLS, Mich. (June 15, 2010)** - The American Concrete Institute's (ACI) Fall 2010 Convention will take place Oct. 24-28, 2010 in Pittsburgh, Penn., USA, at the Westin Convention Center Hotel & David L. Lawrence Convention Center.

Engineers, architects, contractors, educators, manufacturers, and material representatives from all over the world will assemble at the ACI Fall 2010 Convention to collaborate on concrete industry codes, specifications, and standards. Held at the world's first "green" convention center, "Green Concrete in the Steel City" is intended to expand attendees' knowledge of concrete and sustainability throughout the 300+ committee meetings, 30+ technical sessions, forums, tours, and networking events offered.

ACI Concrete Sustainability Forum III, the third in a series of forums addressing the topic of sustainability in the concrete industry, will precede the convention on Saturday, Oct. 23. This, combined with the several sessions approved for continuing education credit by the U.S. Green Building Council (USGBC) and American Institute of Architects (AIA), will provide attendees with valuable insight into sustainability and its affect on the concrete industry.

Mark J. Leahy, general manager at the David L. Lawrence Convention Center, will lead attendees on a walking tour of the center explaining its construction and maintenance during the Contractors' Day Tour on Tuesday, Oct. 26. In addition, Contractors' Day will feature the session titled I'm Bidding a LEED Project. Now What?, which will provide an understanding of green construction opportunities and concrete myths.

Beyond education, the ACI Fall Convention offers numerous opportunities to network with key industry decision makers. Networking events include the Opening Reception, Women in ACI Reception, Student and Young Professionals Networking Reception, Dinner/Dance Cruise, History of Pittsburgh-themed Concrete Mixer, and more.

A listing of green initiatives undertaken by ACI, the David L. Lawrence Convention Center, the Westin Convention Center Hotel, and the Omni William Penn Hotel can be found on the convention Web site. Attendees are encouraged to join in the effort to reduce waste at the convention.

For more information on the ACI Fall 2010 Convention, please call 248-848-3795 or visit [www.aciconvention.org](http://www.aciconvention.org).



**American Concrete Institute®**  
*Advancing concrete knowledge*

# Concrete Industry Comment: reprinted from Concrete International, September 2010



## American Society of Concrete Contractors

### Position Statement #32

## Concrete Discharge Time Requirements

**P**roject specifications, including those that cite ACI 301, “Specifications for Structural Concrete,” and ASTM C94, “Specification for Ready-Mixed Concrete,” state time limits for the discharge of concrete. ASTM C94 states that discharge of the concrete shall be completed within 1-1/2 h after the introduction of the mixing water to the cement and aggregates or the introduction of the cement to the aggregates. This time limitation is permitted to be waived by the purchaser if the concrete is of such slump or slump flow after the 1-1/2 h time limit has been reached that it can be placed, without the addition of water, to the batch. This waiver is seldom used because the reasons for allowing the waiver are not well understood.

ASTM STP 169D, *Significance of Tests and Properties of Concrete and Concrete-Making Materials*, includes Chapter 45, “Ready Mixed Concrete,” by Lobo and Gaynor. They state that the 1-1/2 h time limit is too conservative and that field and laboratory data demonstrate concrete strengths tend to improve with time, but only when water is not added. At higher temperatures, above 70°F, they indicate that the time limit can only be justified by a concern that the prohibition against water addition, after the adjustment or arrival at the job site, cannot or will not be enforced. They cite the following three references to support their position:

- “Effects of Prolonged Mixing on Properties of Concrete,” R.D. Gaynor, NRMCA Pub. 111, 1963, pp. 1-18.

- “Study of ASTM Limits on Delivery Time,” R.C. Meininger, NRMCA Pub. 131, Feb. 1969, pp. 1-17.
- “Effect of Temperature and Delivery Time on Concrete Proportions,” R.D. Gaynor, R.C. Meininger, and T.S. Khan, *Temperature Effects on Concrete*, ASTM STP 858, June 1985; also NRMCA Pub. 171.

Field experience of ASCC concrete contractors supports Lobo and Gaynor’s position and indicates concrete that exceeds the 1-1/2 h limit can often be placed without the addition of water and without any detrimental effects on the hardened concrete. Current high-range waterreducing admixtures (HRWRA) make slump loss less of an issue, and field packs of HRWRA are available to compensate for slump loss, if necessary. Concrete contractors, however, will reject concrete if the slump is too low to allow it to be properly placed and consolidated. The discharge time limit should be discussed at preconstruction meetings so all parties agree under what conditions the waivers can be applied. ASCC concrete contractors want to make sure all parties understand the basis for the ASTM waiver and when it can be used. If you have any questions, contact your ASCC concrete contractor or the ASCC Technical Hotline at (800) 331-0668

This position statement from the American Society of Concrete Contractors is presented for reader interest by the editors. The opinions expressed are not necessarily those of the American Concrete Institute. Reader comment is invited.

American Society of Concrete Contractors

2025 S. Brentwood Blvd., Suite 105

St. Louis, MO 63144

Telephone: (314) 962-0210; Fax: (314) 968-4367

Web site: [www.asconline.org](http://www.asconline.org); E-mail: [ascc@asconline.org](mailto:ascc@asconline.org)



# Georgia Chapter ACI Newsletter

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Newsletter Editor is:  
Wayne Wilson

## Comments?

Contact the editor at:  
wayne.wilson@holcim.com

## Georgia Chapter Offices:

100 Crescent Centre  
Parkway - Suite 665  
Tucker, Georgia 30084  
(770) 621-9324  
FAX: 770-621-9380

[www.georgiachapteraci.org](http://www.georgiachapteraci.org)



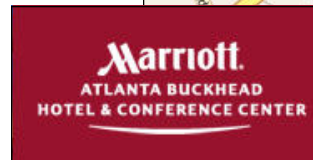
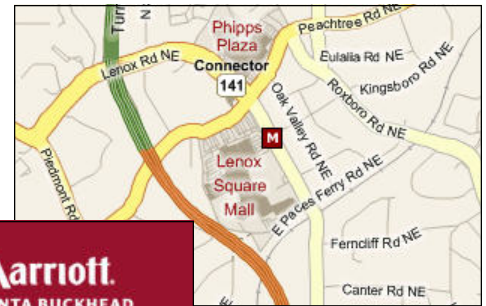
# GA CHAPTER ACI SEPTEMBER MEETING NOTICE



Date: **Friday, September 24, 2010**

Time: **Registration — 11:30 am  
Luncheon—12:00 p.m.**

Location: **Marriott Atlanta Buckhead Hotel  
& Conference Center  
3405 Lenox Road, NE  
Atlanta, Georgia 30326  
Tel: 404-261-9250**



Program: **“Polishing Concrete Floors”**

Come join us for a presentation on polishing concrete floors and the steps needed to prepare a concrete floor for polishing and/or to receive epoxy coatings, stains or other forms of floor applications.



David Earnest w/ Associates at last years WOC Artistry in Concrete Demonstration.

Speaker: **David Earnest  
Chief Consultant w/  
Substrate Management Services**



David Earnest is the Chief Consultant with Substrate Management Services who provides education and consulting services for contractors on the proper procedures of polishing concrete and surface preparation along with educating end users and Architects about the different types of polished concrete and their benefits.

Price: **\$25.00 Pre-registered  
\$30.00 Walk-ins & No-shows  
\$10.00 Students**



Cash or Check  
at the door



Use your credit card  
on-line only

RSVP: On-line at: [georgiachapteraci.org](http://georgiachapteraci.org)

or call: **“Sam” Morris @ 770-455-7274 or  
Diane Dial @ 770-621-9324**



or e-mail: **“Sam” Morris @ [SammieLFM@aol.com](mailto:SammieLFM@aol.com) or  
Diane Dial @ [ddial@mail.gcpa.org](mailto:ddial@mail.gcpa.org)**



**Please RSVP by:  
WEDNESDAY  
September 22, 2010**