



NEWSLETTER

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2005 BOARD OF DIRECTORS:

President:

Jami Taylor, Lafarge—NA

Vice President:

Nick Maloof, Thomas Concrete

Secretary/Treasurer:

"Sam" Morris, Georgia Concrete & Products Association

Directors:

- Gary Knight, Holcim (US) Inc.
- Frank Lennox, Buzzi Unicem USA
- Wayne Wilson, Holcim (US) Inc.
- Pete Tatnall, Performance Concrete Technologies
- Kem Magnant, Georgia Concrete & Products Association
- Matthew Singel, P.E., Southeast Cement Association

PRESIDENT'S MEMO

I hope everyone is doing well as we have entered the busy season. October is typically the busiest month of the year in the Ready-Mix Concrete industry as everyone is trying to finish up projects before colder weather sets in. Remember that we here in our Chapter have numerous resources concerning "Cold Weather Concreting" at the ACI/GCPA office that can be used to help us all get the job done correctly during inclement weather.

Everyone should have by now received a flyer for the 2005 Dan R. Brown ACI Awards Competition. If not you can go to the ACI website at www.georgiachapteraci.org, click on the Awards link and you will see a link for you to request a 2005 Entry Package or if you cannot get to the website call the GCPA office at 770-621-9324.

Also this month is our annual Chapter Golf Tournament. This year we have combined forces with ICRI in hopes of a better turnout. Even if you are not much of a golfer go dust off your sticks and enjoy a day of relaxation and networking. Details are also on our website and emails have been sent out. Look forward to seeing everyone there.

This month's luncheon is a week earlier, Friday October 21, because we just could not wait to hear from Mr. Wayne Wilson as he plans to lecture us on the Basics of Petrography. It should be a very insightful look into what I call "CSI" Concrete Scene Investigation.

Happy Halloween Chapter members and we will see you on Friday.

Jami M. Taylor
2005 Georgia Chapter President

UPCOMING EVENTS

ACI October Luncheon Meeting
October 21, 2005
Sheraton Buckhead Hotel
Atlanta, Georgia

ACI/ICRI Joint Golf Tournament
October 28, 2005
See Pg. 3 for more information

Masonry Certification
November 2-3, 2005
Sign up on Line: www.gcpa.org

ACI 2006 FALL CONVENTION
November 6 - November 10
Kansas City Marriott and Convention Center,
Kansas City, MO
(Relocated due to Hurricane Katrina)

ACI November Luncheon
November 18, 2005
Sheraton Buckhead Hotel
Atlanta, Georgia

Masonry Testing Technician
December 14, 2005
Sign up online: www.gcpa.org

ACI December Holiday/Luncheon Meeting
December 16, 2005
Sheraton Buckhead Hotel
Atlanta, Georgia

SEPTEMBER MEETING PROGRAM

There were about 35 in attendance to hear a presentation by Richard Sallee, VP of Sales & Market Development for Engius Constructive Intelligence, Stillwater, OK. Mr. Sallee's program was entitled, "Introduction to Concrete Maturity and the intelliRock System". Concrete "maturity" was defined as the integration of time versus temperature data to represent the cement hydration process. The statistical method of identifying the hydration process as an estimate of compression strength has gained acceptance in the last ten years and is embodied in ASTM C 1074 Standard Practice for Estimating Strength by the Maturity Method.

The maturity method of estimating concrete strength is a more reliable means of determining the optimum time for form stripping, post-tensioning, tilt-up and other time constrained construction operations. The traditional practice of deciding time constrained construction operations on the basis of test cylinders has always been problematic. Test cylinders don't always represent the material properties of "in-place" concrete due to environmental and size differences and the variables from handling the cylinders. Mr. Sallee offered a credible analogy of cooking a turkey versus a Cornish hen to make a point on cylinder strengths versus "in-place" strengths. You obviously can't cook a turkey with the same time and temperature levels as a hen. The maturity method provides the relevant strength data for a given structure.

The **intelliRock System** utilizes implanted sensors that record and report the time/temperature data from the "in-place" concrete. The system produces a time/temperature profile of a given concrete mixture that predicts strength gain in psi. The sensors are "validated" to the specific mix design in a process where sensors in cylinders are compared to multiple sets of control cylinders to within ten percent of strength values. Mr. Sallee presented numerous case studies where the system produced project cost savings in the magnitude of six figures or incentive benefits in the millions of dollars. [photo by Jeff Erson]



NEW MEMBERS

Please help us welcome the following new chapter members:

- | | |
|----------------------------|---------------------------|
| Sam Carter | John Baumeister |
| Carter Concrete Structures | Student Auburn University |



ACI/ICRI JOINT GOLF TOURNAMENT

Friday, October 28, 2005—Indian Creek Golf Club—I-20 East, Exit 93, Hazelbrand Road, Right, then 2 1/2 miles Covington, Georgia- 9:00 a.m. Shotgun—4 person Scramble—Soft Shoe Course—Golf Balls—Courtesy of Thomas Concrete, Atlanta, Georgia Registrations Forms Have Been Sent Out! HURRY AND SIGN UP! \$\$\$ PRIZES Hole Sponsors ARE BEING SOLICITED—SIGN UP ON THE WEB PAGES: www.georgiachapteraci.org or www.icriga.org. MARK YOUR CALENDARS NOW. WE NEED YOUR ATTENDANCE!

*You may use this form
to renew your dues for
2005
— or sign up a new
member!*

2005 MEMBERSHIP APPLICATION

Name: _____

Company: _____

Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Office Phone: _____

Office Fax: _____

Home Phone: _____

Email address: _____

Professional Category: (Check one)

- Architect
- Contractor
- Engineer
- Student - Name of School: _____
- Affiliate
- Other: _____

Are you an ACI International Member: Yes No

If yes, date joined National: _____

If yes, Committee Membership: _____

Sponsored By: _____ Date Joined: _____

NEW MEMBER

DUES RENEWAL

**Annual
Dues
\$25.00**

Please complete application and mail with your \$25 check to :

Georgia Chapter, ACI
100 Crescent Centre Parkway, Suite 110
Tucker, GA 30084
(770) 621-9324
FAX: 770-621-9380



Georgia Chapter ACI
Newsletter

Published Monthly
January - May
Summer Issue
September - December

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OCTOBER MEETING NOTICE

Date: *Friday, October 21, 2005*

You May Register On-Line:
www.georgiachapteraci.org

Time: *11:30 a.m.—Registration
12:15 p.m.—Luncheon*

Location: *Sheraton Buckhead Hotel
Atlanta, Georgia*

Speaker: **WAYNE WILSON, P. E.**
Holcim (US) Inc.
Duluth, Georgia

Program: *“Basics of Petrography”*
Wayne will give us an insightful look into what Jami Taylor calls “CSI , Concrete Scene Investigation.

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

RSVP: To RSVP, please call “Sam” 770. 455.7274 or Diane at
770.621.9324 BEFORE 4:30 pm on WEDNESDAY,
October 19th, 2005

Note: *If you fail to call in prior to the deadline, or you do not show for the luncheon,
you will be charged \$30.00.*

We're on the web!
www.georgiachapteraci.org

