



NEWSLETTER

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2007 BOARD OF DIRECTORS:

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Thomas Concrete Industries

PRESIDENT'S MESSAGE

Hope everyone is having a good week. We started the year off with a great lunch meeting last Friday; we had just under 50 in attendance. Thanks goes out to all that came! I look forward to the first meeting in 2007 when I can report over 100 in attendance. We need to have 40+ people in attendance at our monthly lunch meetings to cover the hotel costs for each meeting. Last year our monthly meetings cost the chapter \$269.12 over what we brought in from the \$25.00 fee we each pay at the door. The Sheraton Hotel has informed us that, starting in March they are going to increase what we pay each month (I have asked our in-house bulldog, "Sam" Morris to work on chewing the hotel down and also to look at other venues). With that said, we can easily overcome these increased costs by getting more people in for our monthly meetings.

In an effort to further reduce some of our operating costs, the Board of Directors has decided to send out our monthly news letter by e-mail only. We will send out the March news letter by both e-mail and snail mail; however, beginning with the April news letter we will only be sending out the news letter by e-mail. If you do not have e-mail or you would like to continue getting a hard copy by mail, please let Diane Dial in the Chapter Office know (770-621-9324) and we can make sure that you continue receive a paper copy.

Finally, the Georgia Chapter is finalizing our plans for hosting ACI International's Spring Convention here in Atlanta at the Downtown Hilton April 21-26, 2007. ACI International has over 40 technical sessions scheduled with new information being presented on everything from "Pervious Concrete Application and Design" to "Concrete Heat Development: Modeling and Prediction". In addition, every ACI Committee, (i.e. ACI 318, 301, 324, 325, etc., etc).... will meet to discuss new information and on-going revisions to the *ACI Manual of Concrete Practice*. Having this Convention in our own backyard is a great opportunity for our Local Chapter Members to see first hand how the Official ACI Documents really get written. You can register for all six days of the convention for only \$301 for ACI International Members (\$377 after 3/18/07) and \$397 for non-members (\$476 after 3/18/07) or if you only want to attend one day, the price is \$168 for members (\$243 after 3/18/07) and \$221 for non-members (\$284 after 3/18/07). Detailed convention and registration information can be seen on the web at ACI International's Web Site (www.concrete.org).

On a more local note, given that the convention will occur during the last full week in April **we will not have a Local Chapter meeting on April 27th.**

Have a great week and hope to see you on March 23rd,

Wayne M. Wilson, P.E.
GA Chapter ACI President

HAVE YOU REGISTERED FOR THE 2007 ACI SPRING CONVENTION YET? IF NOT, YOU CAN GO ON LINE AND DO SO. WWW.CONCRETE.ORG—YOU SURELY DO NOT WANT TO MISS OUT ON THIS. APRIL 22-26, 2007—ATLANTA HILTON

UPCOMING EVENTS

March 8, 2007
 ACI Level I Field Tech Training
 12:30 p.m.—4:30 p.m.
 GC&PA Headquarters, Lake Level
 Tucker, Georgia 30084
 (Registered Persons Only)

March 17, 2007
 ACI Level I Field Tech Exam
 7:45 a.m.—2:00 p.m.
 Ready Mix USA, Inc. Lab
 Decatur, Georgia
 (Registered Persons Only)

March 23, 2007
 ACI Luncheon/Seminar
 Speaker: TBA
 Sheraton Buckhead Hotel
 Atlanta, Georgia
 Check Web: georgiachapteraci.org

April 19—20, 2007
 ICRI NATIONAL CONVENTION
 Sheraton Buckhead Hotel
 Atlanta, Georgia
 Information: ICRI.ORG

April 12, 2007
 ACI Level I Field Tech Training
 12:30 p.m.—4:30 p.m.
 GC&PA Headquarters, Lake Level
 Tucker, Georgia 30084
 (Registered Persons Only)

April 21, 2007
 ACI Level I Field Tech Exam
 7:45 am—2:00 pm
 Heidelberg Lab—Doraville, Georgia
 (Registered Persons Only)

ACI SPRING CONVENTION
 April 22-26, 2007
 Atlanta Hilton Hotel
 For Registration and Reservations
Concrete.org

FEBRUARY CHAPTER MEETING

The luncheon was well attended and Barry Deschenezux, Manager of Product Support & Development for Holcim, gave the technical program. Barry spoke on “Fly Ash in Concrete Today & Tomorrow”. He began with an explanation of the sources of this pozzolanic revert material. As many in our Industry know, fly ash is the residue collected from coal burning power plants. In recent decades when coal ash has become a valuable by-product efforts have been made to control its quality. Barry showed the collector system at typical fly ash sources and defined the classes of ash for marketing purposes. He said that fly ash is divided into two classes by ASTM C 618, which governs its commercial use. Class C is light gray in color and typically originates in Western US power plants where the ash contains a significant amount of lime [CaO]; Class F is dark gray in color and usually originates at Eastern US power plants. Class F ash according to ASTM C 618 has lime content under 10%.

Fly Ash Class is technically determined by the sum of its oxide content where C Ash has oxides greater than 50% and F Ash oxide content is greater than 70%. This material is pozzolanic meaning it supplements the basic cementitious material in concrete. It can actually replace cement in ranges from 10 to 40% pound for pound. It compliments Portland cement adding long-term strength, improving workability and lowering the heat of hydration. US Bureau of Reclamation historical data shows fly ash mixes traditionally show greater strength gain after 28 days than plain mixes. Fly ash makes concrete more resistant to sulfates and has a role in reducing alkali-silica reactions.

Barry acknowledged that fly ash with high levels of carbon will have a negative effect on air entrainment admixtures. He described processes to beneficiate the ash. One would “burn-out” the carbon another would remove it by electrostatic precipitation. The “new directions” in marketing this material include blending with other pozzolans, even non-pozzolanic materials and proposing performance specifications over restrictive limitations. The Fly Ash Industry is trying to be proactive whereas historically is has been reactive.



Thursday, April 26, 2007—at the Atlanta Hilton—ACI Educational Seminar Environmental Engineering Concrete Structures: Design and Details

8:00 a.m.—5:00 p.m. Contact: Concrete.org to register

This one-day seminar is based on the 2006 provision 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 pre-stressed and non-prestressed members. Complimentary publications, a \$238.00 value, include: ACI 350-06, ACI 350.3-06, and Course Notes.

WELCOME NEW MEMBER (S)!

MICHAEL SKEGGS
GRACE CONSTRUCTION PRODUCTS

TONY CAPE
TUCKER CONCRETE

**ACI 2007 SPRING CONVENTION
APRIL 22 -26, 2007**



ATLANTA HILTON HOTEL

Concrete Mixer at the Georgia Aquarium
Student FRP Composites Competition

Pervious concrete demonstrations

Tour of the Southface Eco Office—learn how to build "green"

Guest Tours including A Taste of the Peach, Covington Mansions, Midtown Cultural Tour, and The Good Life in Buckhead

2007 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 - **\$15.00** 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
\$40.00 p/yr.

Students: \$15.00**

Please complete application and mail with your check to :

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



Georgia Chapter ACI
Newsletter

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MARCH MEETING NOTICE

Date: **Friday, March 23, 2007**

Time: *Registration—11:30 a.m.*
Reception— 11: 45 a.m. - 12:15 p. m.
Luncheon—12:15 p.m.

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

Location: *Sheraton Buckhead Hotel*
3405 Lenox Road, NE
Atlanta, Georgia

Speaker: **Everett Ward**
Belgard Pavers, a Division of Bosse Concrete Products
Jonesboro, Georgia.

Program: **"Market Place for Concrete Pavers"**

Come join us to hear Mr. Ward compare the costs of different paving systems such as asphalt, concrete, and concrete pavers. He will discuss plant production methods and the wide variety of paver shapes and sizes now available. Proper installation and construction practice will also be covered.

Price: **\$25.00 - Pre-registered**
\$10.00 - Students \$40.00 - Walk-ins and No-shows

RSVP: To RSVP, please register on line: Georgiachapteraci.org or call "Sam" @ 770.455.7274 or Diane @ 770-621-9324 **BEFORE 12:00 Noon on WEDNESDAY, March 21st, 2007**

Note: *If you fail to call in prior to the deadline, or you do not show for the luncheon, you will be charged \$40.00.*

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