



NEWSLETTER

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2004 BOARD OF DIRECTORS:

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- Frank Lennox, Buzzi Unicem
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- Wayne Wilson, Holcim (US) Inc.
- Joe Wolfe, W. R. Grace & Company

PRESIDENT'S MEMO

We attended the Centennial Convention of ACI International in Washington, D.C. last month along with about 27 other Chapter members. We suspect that no other Chapter has the representation at national conventions that we do. If there is a way to confirm this we will report it. The following members were in attendance: Rodney Adams, Randy Bass, Gene Boeke, Marshall Brown, Jo Coke, John Cook, Mike Cook, Kirk Deadrick, Mel Galinat, Harry Gleich, Ken Harmon, Jerry Holland, Bob Jenkins, Larry Kahn, Gary Knight, Bob Kuhlman, Kim Kurtis, Ken Rear, Ralf Leistikow, Frank Lennox, Mark Moore, Sam Morris, Nick Nicholson, Jeff Speck, Baren Talukdar, Roger Tate, Pete Tatnall and Wayne Wilson.

The convention theme was the hundredth year anniversary of the Institute and about 1340 people from 35 countries were in attendance. Our Chapter was honored at the Awards Ceremony with another citation for Excellence in 2003. Additional honors came to us when long time member Bob Kuhlman was given the Chapter Activities Award and Dan Green of National Cement Co. and Baren Talukdar of Shaw Group were elected to the rank of Fellow. See photos of the honorees below.

Looking forward to the Spring Convention in 2007 that will be held in Atlanta, the Board of Directors appointed Sam Morris and Mel Galinat as co-chairs of the Chapter Convention Committee. We have a venue but need a theme. Any ideas will be appreciated.

Past President Toby Branson is working on the Annual Skipper Seminar that will be held in early June with a focus on "post-tensioned" concrete. Any contributions to this event will be welcomed by Toby. Bill Cagle has agreed to chair the golf tournament this year. Time and location will be announced soon.

Due to a conflict with another industry event, we have moved our April meeting back to the fifth Friday from the fourth Friday. See announcement on back page for the April 30th meeting and remember, "progress through knowledge".

Mel Galinat, FACI
2004 Chapter President



Let's Congratulate the following for their honors: (left to right) Bob Kuhlman-Chapter Activities Award, Dan Green, National Cement Co.-Fellow, Baren Talukdar, Shaw Group- Fellow.

UPCOMING EVENTS

ACI Chapter Luncheon Meeting
April 30, 2004
Sheraton Buckhead Hotel
Atlanta, Georgia

ACI Golf Tournament
Location and Time to be
Announced

ACI Skipper Seminar
Location and Time to be
Announced

March Chapter Program

We had forty in attendance to hear a program by Jeff Smith, Senior Engineer for MACTEC in Lawrenceville, GA. This was a nontraditional topic, "Site Specific Seismic Evaluations" based on Jeff's experience with designing structures meeting the IBC 2000 Design Procedures. Jeff reviewed the IBC requirements for seismic conditions and put this in the context of the earthquake in Fort Payne, AL on April 29, 2003. The Ft. Payne event was 4.6 on the Richter Scale and represents the probability of seismic activity in Northwest Georgia.

Section 1615 of the Code reveals that the principal variables are "seismicity" and "amplification" and provides for analysis by deterministic or probabilistic means. Jeff graphically explained these variables and the fact that the Code allows probability choices based on the geographical seismic history. In the Atlanta area the probabilistic analysis concludes that only 60% of the Code requirement is necessary; however the Code will not allow a reduction greater than 80% of the requirement, so this concludes the determination for the local probabilistic variable.

Jeff next described the subsurface exploration methodologies. He said there are many methods but the Code only recognizes the following:



Shear Wave Velocity in feet per second; Standard Penetration Resistance in blows per foot; and Undrained Shear Strength in pounds per square foot. He said the Shear Wave Velocity Test is the least restrictive and most common. It costs about \$4,000 to \$8,000 to perform. Test values can be obtained from a Crosshole Test, in which a measurement is taken between two deep borings; a Downhole Test, where soundwaves are measured between the bottom and

surface of a single bore; and Spectral Analysis of Surface Waves, where measurements are taken between two surface locations in lieu of boring. This latter test is the one MACTEC uses.

Two case studies of structures built in Alpharetta and Athens were reviewed and Jeff concluded with the assertion that seismic code requirements can be reduced 20% in the Atlanta area and Shear Wave Velocity testing supports a lower Class Rating than other tests.

2004 MEMBERSHIP APPLICATION

Name: _____

Company: _____

Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Office Phone: _____

Office Fax: _____

Home Phone: _____

E-mail 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

MEMBERS WANTED.....

Members! We need more members. One of the sections on the Annual Report covers points for membership. We did not lose any points for last year but we did not gain any. Ask your friends and fellow workers to join. We need to gain members this year.

**Annual
Dues:
\$25.00**

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

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

*You may use this
form to sign up a
new member!*



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Newsletter**

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

APRIL MEETING

- SPEAKERS:** **MR. LEE HOLLAND**
W. R. GRACE
- PROGRAM:** **"REDUCING SHRINKAGE CRACKS IN CONCRETE USING
MACRO-FIBER AND ADMIXTURES"**
- DATE:** *April 30, 2004*
- TIME:** *11:45 a.m.—Registration*
12:15 p.m.—Luncheon
- LOCATION:** *Sheraton Buckhead Hotel , (See Reader Board)
Atlanta, Georgia*
- PRICE:** *\$25.00 - Pre-registered*
\$10.00 - Students
\$30.00 - Walk-ins and No-shows
- RSVP:** **To RSVP, please call "Sam" or Bebe at
(770) 621-9324 BEFORE 4:30 pm on
WEDNESDAY, April 28, 2004.**
- PLEASE NOTE:** *If you fail to call in prior to the deadline, or do not
show for the luncheon, you will be charged \$30.00.*