



NEWSLETTER

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2007 GEORGIA CHAPTER OFFICERS:

President:

Wayne Wilson, P.E.
Holcim (US) Inc.

Vice President:

Frank Lennox
Buzzi Unicem USA

Secretary:

"Sam" Morris, FACI
Certification/Accreditation Board
GA Chapter, ACI

Treasurer:

Ralph Hodgins
SIKA Corp.

Board of Directors:

Pete Tatnall, FACI
Performance Concrete Technologies

Kem Butler
Florida Rock, Masonry Division

Kirk Deadrick
iCrete

John Love, P.E., FACI
Georgia Concrete Products Assoc.

Tim Moss,
Ready Mix USA

Bob Terpening, P. E., FACI
Consultant

Immediate Past President

Nick Maloof, FACI
Thomas Concrete Industries

PRESIDENT'S MESSAGE

"Dazed, Confused & Hopelessly Lost"

Do you ever feel "dazed, confused & hopelessly lost"? Well I know I do..., it is the end of the year and 2007 is almost gone!!!! I don't know about you; but, it seems the closer I get to the end of something the busier I become and the farther behind I seem to get. My term as your GA Chapter President, is no exception. I feel like I've just started and I have a list a mile long of things to do, but I'm afraid my time is up? As I look back over the year and reflect on what we accomplished I really was a most enlightening & enjoyable year.

In 2007:

- We had another successful ACI Awards Banquet with 25 Project Entries. Thanks goes out to the Awards Committee, chaired by Kem Butler, for all their hard work in putting this annual event together.
- We had six lunch meetings with a wide variety of interesting presentations on "Fly Ash in Concrete..."; "... Concrete Pavers"; "Production of Fiber Reinforced Concrete"; "Sustainability ...LEED Program"; "Crystalline Waterproofing..."; "Multihazard Design of Concrete Buildings". Thanks to our Vice President, Frank Lennox, for arranging all the speakers.
- We had another "Virgil D. Skipper Seminar" with 6 speaker presentations on "Producing High Performance Concrete with Locally Available Materials". Thanks to our 2006 President, Nick Maloof, for putting this annual summer program together.
- We hosted ACI's 2007 Spring Convention here in Atlanta with over 1400 ACI National Members in attendance. I can't say enough about this one..., pulling this event off took over two years of work by a very dedicated group of chapter members. Immeasurable thanks to our two Convention Committee Co-Chairs Mel Galinat & "Sam" Morris, and the whole convention committee group.
- Our Certification Committee (CAB) administered over 650 ACI Certification Exams!

Mark your calendars' for our "Holiday Reception & Lunch Meeting" on December 14th. Come join us to celebrate our 2007 achievements, welcome a new slate of officers and start planning for an exciting 2008!

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



UPCOMING EVENTS

Thursday, December 6, 2007

ACI/PCA One-Day Seminar

"Simplified Design of Reinforced Concrete Buildings of Moderate Size and Height"

Sheraton Buckhead Hotel

For information go to:

www.concrete.org



Friday, December 14, 2007

ACI Luncheon & Holiday Reception

"Installation of 2008 Officers"

Sheraton Buckhead Hotel

Atlanta, GA

11:30 a.m. Reception,

12:15 p.m. Lunch

Sign up on our Web Page

www.georgiachapteraci.org



Thursday, January 10, 2008

ACI Grade I Field Tech Training

GC&PA Headquarters

Tucker, GA

12:30 pm—4:30 pm

Registered Persons Only

www.cabofgeorgia.org



Saturday, January 10, 2008

ACI Grade I Technician Exam

TEC Services, Inc.

Lawrenceville, GA

8:00 am—2:00 pm

Registered Persons Only



Thursday, January 17, 2008

Dan R. Brown ACI Awards Banquet

Sheraton Buckhead Hotel

Atlanta, GA

Cash Bar: 5:45 pm

Awards Presentations: 6:30 pm

Dinner: 7:15 pm

www.georgiachapteraci.org



Thursday, February 7, 2008

12:30 pm—4:30 pm

ACI Grade I Field Tech Training

GC&PA Headquarters, Tucker, GA

Registered Persons Only

Saturday, February 16, 2008

ACI Grade L Field Technician Exam

8:00 am—2:00 pm

Heidelberg Lab—Doraville, GA



November Meeting

Contributed by Pete Tatnall



Over 40 members of the ACI Chapter and SEAOG (Structural Engineers Association of Georgia) were on hand to hear a presentation by Mr. Mike Mota, P.E., Regional Engineering Manager – Eastern U.S., Portland Cement Association (PCA). Mr. Mota's topic was "Mutihazard Design of Concrete Buildings".

Mr. Mota covered:

Hazard risk and consequences: Seismic; Wind; Fire; Floods; Blast

Building Structural Design Overview

PCA Progressive Collapse Study

Structural Integrity

A Case Study

He went over the relative severity of the various hazards in terms of number of events and their relative costs in terms of lives lost and dollar costs. He pointed out that Hazard Design is generally mandated by 1) Codes; 2) Owners; and/or 3) Government, and that reinforced concrete construction – shear wall and moment frame construction is superior in resisting seismic and wind loads, as well as fire, flooding and blast loading.

A short overview of the PCA Progressive Collapse Study using the GSA Analysis and Guidelines of 2003 was presented showing how to apply the GSA requirements for gravity loads as columns, or sets of columns are "removed". The study applied seismic loading A, B and D to a twelve story reinforced concrete moment frame building with beams and flat slabs with uniform bays. Following the GSA guidelines one can determine if additional flexural and shear reinforcing is required for the various load cases.

It was pointed out that exterior blast loading was very different from seismic loading in that the loading occurs in 5 to 15 milliseconds for blasts, while seismic loading can be 5 to 15 seconds or more. Additionally, in blast loading one must consider both the positive and negative effects of the over pressure, i.e., the initial pressure will exert an inward and downward load like a wind load, but the secondary effects are outward and upward and may be greater than the initial loading. Mr. Mota noted that a pressure of only 0.15 to 0.22 psi is enough to break windows, and 6 to 9 psi is enough to collapse a concrete building versus 5 to 7 psi for a steel frame building.

Mr. Mota compared the GSA requirements to ACI 318 requirements, so called Structural Integrity clauses. GSA provides for analysis assuming loss of a member, while ACI 318 provides for additional reinforcing in a prescriptive manner.

Finally he presented a case study of a 30-story office building in New York City converted from a steel frame to a concrete moment frame with flat plate floors. Concrete from 12,000 to 5,000 psi was used, and floors were built in a two-day schedule. Because of the fast construction time versus a steel frame the owner occupied his building much faster, resulting in a more economical solution.

More information on progressive collapse may be found in a new book available from the International Code Council (ICC): "Prevention of Progressive Collapse in Multistory Buildings," Francis K. Humay, Steven M. Baldrige, and S.K. Ghosh, Structures and Codes Institute (SCI), 2006, 635 pp. www.iccsafe.org. Go to Book Store – Engineering – Structural Engineering – Concrete: Item 17 at \$65.00 - \$58.00 ICC members.



ICC INTERNATIONAL CODE COUNCIL
People Helping People Build a Safer World™

Notable News



IN MEMORY



Submitted by "Sam" Morris

It is with great sadness that we report the death of **Jim Lunsford**, retired, formerly with Buzzi Unicem, Inc., Signal Mountain, TN. Jim was a former ACI Director of the Georgia Chapter and an avid supporter. During the three years that he served on the Board, he, who lived further away than any Board member, only missed one meeting. He was in attendance at ASTM Committee Meetings and could not get back in time. He did however call to let us know. He was a friend to the concrete industry and was always willing to help in any way possible. Cards to the family may be sent to Jim's home address at: 3814 Walden Wood Lane, Signal Mountain, TN 37377. His service was on Monday, December 3, 2007.

We were also saddened to hear that our long time member and great friend of the chapter, **Jerry Holland**, recently lost a daughter, **Meredith Holland Jones**, age 29, of Athens. Mrs. Jones was a Music Teacher at Honey Creek Elementary School for the past 4 years, prior to that she taught at Shoals Creek Elementary School for 2 years. Meredith was proudly awarded the Rockdale County Teacher of the Year award for 2005-2006. She was currently a Doctorial student at the University of Georgia, and a member of Community Christian Church in Fayetteville and a member of the Atlanta National Orff Schulwork Association. In lieu of flowers, memorial contributions may be made in The Meredith Jones Scholarship fund for Elementary School Music Education at the University of Georgia. Caringbridge.org and the music program at Honey Creek Elementary School

72nd ACI Chapter Roundtable

Submitted by Wayne Wilson

Wayne Wilson and Frank Lennox, GA Chapter President & Vice President, attended an ACI Chapter Roundtable in North Charleston, SC on November 29-30, 2007. Representatives from nine different ACI Chapters and seven ACI National Staff members met to hear presentations on topics like: "What Chapter Officers Need to Know About"; "How to Raise Funds for Your Chapter Event"; "Effective Use of Your Chapters Website"; etc. We also had several group discussions on things like increasing membership, newsletters, chapter directories, awards, libraries, tax except status, liability insurance, certification, and using ACI National's In-house Chapter Resources. Frank & I learned a lot and we look forward to sharing the information with the GA Chapter.



Welcome New Member!

Kirby Yoder

Carter Concrete Structures



Georgia Chapter ACI
Newsletter

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Mel Galinat & Wayne Wilson

Comments?

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DECEMBER MEETING NOTICE

Date: **Friday, December 14, 2007**

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

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

Program: **“Installation of New Officers & Directors”**

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, December 12, 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.**



E-MAIL ADDRESSES:

Please note: If you are not receiving the ACI Newsletter via e-mail, please call or e-mail either “Sam” or Diane with your new address. They both share the list and we do not want you to miss out on anything.

Telephone numbers: 770-621-9324 for Diane & 770-455-7274 for “Sam”

E-Mail Addresses: ddial@mail.gcpa.org & SammieLFM@aol.com

Holiday Reception Sponsors

**Southeastern Pressure Grouting
Site Technologies**

**Carolina Stalite
Georgia Concrete & Products Association
Holcim (US) Inc.
Lehigh Cement Company
Performance Concrete Technologies
Ready Mix USA, Inc.
Thomas Concrete Industries
Uzun & Case**

