



# NEWSLETTER

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## 2003 BOARD OF DIRECTORS:

### President:

Tobias Branson, MARTA

### Vice President:

Mel Galinat, SI Concrete Systems

### Secretary/Treasurer:

"Sam" Morris, Georgia Concrete & Products Association

### Directors:

- Greg Brayfield, P.E., Lindsay Pope Brayfield & Associates, Inc.
- Frank Lennox, Signal Mountain Cement Company
- Nick Maloof, Thomas Concrete Industries
- Jami Taylor, Lafarge—NA
- Wayne Wilson, Holcim (US) Inc.
- Joe Wolfe, W. R. Grace & Company

## PRESIDENT'S MEMO

We are up to a great start into 2003 .

This Chapter has once again captured the prestigious "Excellent Award" from ACI International ! Thanks for all the dedicated Members who made this happen. Especially a great Thank You to "Sam" Morris, who collected and finalized the information over the year and packaged it up for submittal to ACI in Detroit.

As I mentioned last month we will bring some additional programs to the Student activities. The Chapter is lobbying for participation in the scholarship program that is available to local Colleges and Universities. In conjunction with this we are exploring the institution of a Georgia Chapter Fund to be distributed to Students with research interest and / or support on Tuition.

The ACI Student Chapter Members are actively engaged in the concrete canoe team, which will compete with over twenty Universities and Colleges this weekend, March 23, 2003 for the best and final. All the best and good luck to them !

The ACI Student Chapter is always welcoming Guest Speakers at their monthly meetings and is still on the lookout for future participants for their programs. Last month Steven Maloof and Ken Harmon of Stalite Co. gave a presentation on lightweight concrete. Please contact myself or Sarah Atkinson, ACI Student Chapter President at 678-986-0024 if you would like to participate.

Which brings me to the next topic. Student Membership as well as Chapter Membership has been stagnant and has started to decline over the last months. It is important that everybody solicit new members, who join us with new ideas and inject new momentum to this great Chapter. That momentum has brought us the recognition of the Excellent Status. This will fade if we do not "staff up". A few dedicated Members can not do it all, for ever. It would be great impulse and success if every Member just solicits ONE new Member. Just ONE. One Member, each, that can not be that difficult, let's do it.

See you at the March Meeting .....with new Members.

Thank you for your support.

**Tobias J. Branson, President**

## FEBRUARY CHAPTER MEETING

We had over 40 in attendance for the first regular meeting of the year. The Chapter's presentation of the ACI Manual of Concrete Practice to a local University was conducted. This year it was donated to Georgia Institute of Technology. Accepting on behalf of Georgia Tech was Chapter member Dr. Larry Kahn and students, Ryan Paolantonio, Marvin Griffin and Scott Canfield. (Also pictured is Tobias Branson, MARTA- GA ACI Chapter, President)



The technical program was "SHRINKANGE COMPENSATING CONCRETE MADE EASIER" by Chapter member, Ed Russell Director Type K Cement Sales for CTS Cement Manufacturing Corp., Johnson City, TN. (Also pictured is Phil Flood, CTS Cement Mfg. Co.)



Ed began his presentation by addressing Type I Cement induces up to 800 psi tensile stresses during the curing process when the shrinkage stresses exceed the tensile strength of the concrete the stresses are relieved by cracking. The typical shrinkage of Type I Cement concrete is 0.05%. In one hundred feet of pavement this amounts to 5/8 inch. Type K Cement contains ettringite which EXPANDS during initial curing and ultimately shrinks to its initial volume after 21 days. The expansion stresses of approximately 30 psi are resisted by reinforcement that effectively maintains the initial volume of concrete. This phenomenon permits elimination of crack control joints and resists the tendency for curling of slabs.

The expense of handling a separate cement type to produce shrinkage compensating concrete can be eliminated by adding a "Type K" component to conventional Type I Cement concrete according to Ed Russell. He explained the CTS Komponent System which is a packaged product containing the Type K component. This product can be added at the batch plant to produce shrinkage compensating concrete. It is added to the extent that it becomes 15% of the total cement by weight at a cost of \$20 per cubic yard. The Komponent System can also be added to lesser rated to produce low shrinkage concrete. For additional information contact Ed directly.

## TWO SIDES TO EVERY STORY

In the December 2002 issue we covered an article on "Corrosion Resistant Rebar" that reported the performance of a steel alloy product designated MMFX out performed epoxy coated rebar in corrosion tests. Now Concrete Products magazine (Jan. Issue) reports that CRSI takes an opposing position in favor of epoxy coating. This article cites a South Dakota DOT Research that concludes that epoxy coated bars have a "projected" life of 40 years in bridge decks while the MMFX bar has 20 years and the common black bar form 10 to 25 years. This conclusion was made from studying general corrosion properties of the three types both inside and outside of concrete. South Dakota DOT has selected epoxy coated rebar as the most cost-effective for bridge decks. "Stay tuned" as it appears a controversy is brewing.



## Nick Maloof, Our Chapter's Newest ACI "Fellow"

Our chapter's long time member, friend, supporter, and past president, Nick Maloof was elected ACI "Fellow" at the ACI Fall 2002 Convention in Phoenix. At the Spring Convention in Vancouver, B.C. he will be formally recognized and honored. The ceremony will be held on Sunday March 30. Many of our chapter members are planning to attend this ceremony. Congratulations Nick! and thank you for your many years of support and hard work.

## UPCOMING EVENTS

**ACI Spring Convention**  
March 30 thru April 3, 2003  
Vancouver, BC, Canada

**ACI Chapter Meeting**  
March 28, 2003  
Sheraton Buckhead Hotel—  
Atlanta

**ACI Intl. Troubleshooting Concrete Slabs on Ground Seminar**  
April 15, 2003 Location—TBD

**ACI Intl. Troubleshooting Concrete Floor Problems Seminar**  
April 16, 2003 Location—TBD

**ACI Intl. Reinforced Concrete Design Seminar**  
May 22-23, 2003 Location—TBD

**ACI Golf Tournament**  
June 3, 2003, Location  
Cotton Fields—Details to follow

# 2003 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

## NEW MEMBERS

Please help us welcome the following new chapter members:

Mr. Benny Ingram  
ECS, Ltd.

Mr. Ray Gideon  
ECS, Ltd.

Mr. Trey Shaw  
Cadence Structures

Mr. Jerry Johnson  
Southern Company Services

Mr. Hugo Leon  
Urvitec

Mr. Richard A. Kimsey  
Total Concrete Structures

Mr. Richard Schwartz  
Quikrete

Mr. Robert T. Spruell  
Harcon, Inc.

## 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 renew your  
dues for 2003  
— or sign up a new  
member!*



**Georgia Chapter ACI  
Newsletter**

Published Monthly  
January - May  
Summer Issue  
September - December

Editor: Mel Galinat

Comments? Contact Mel at  
[mel\\_galinat@sind.com](mailto:mel_galinat@sind.com)

Georgia Chapter Offices:  
100 Crescent Centre  
Parkway - Suite 110  
Tucker, Georgia 30084  
(770) 621-9324  
FAX: 770-621-9380  
[www.georgiachapteraci.org](http://www.georgiachapteraci.org)

Georgia Chapter, ACI  
100 Crescent Centre Parkway  
Suite 110  
Tucker, Georgia 30084

**We're on the web!**  
[www.georgiachapteraci.org](http://www.georgiachapteraci.org)

# MARCH MEETING

- SPEAKER:** **MR. DAN BROWN, P.E. , GEORIGIA CONCRETE  
AND PRODUCTS ASSOCIATION**
- PROGRAM:** **"PERVIOUS CONCRETE PAVING"**
- DATE:** *March 28, 2003*
- TIME:** *11:45 a.m.—Registration*  
*12:15 p.m.—Luncheon*
- LOCATION:** *Sheraton Buckhead Hotel*  
*Atlanta, Georgia*
- PRICE:** *\$25.00 - Pre-registered*  
*\$ 5.00 - 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, March 26, 2003.**
- 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.*