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**THE CONCRETE RESTORER**  
*PROUD HOSTS OF THE ICRI 2007 SPRING  
CONVENTION*

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**Ron Thomas**



The second half of 2006 is off and running. We started in August with a great presentation on the campus of Southern Polytechnic University on the Georgia Aquarium. This was followed by a technical program in September on Post-Tensioning Concrete Repair. Next week, we will have our GA ICRI Annual Golf Tournament at Stone Mountain and in November a technical program at Georgia Technical Institute. Wow! What a year. The momentum will carry us right through next year's hosting the **2007 Spring ICRI National Convention.**

We have had a great response to our **Golf Tournament with over 35 sponsors!** Thanks to **Matt Lawler** and **Sammie** for handling the details of the tournament and a special recognition to **Myron Bullock at Metro Waterproofing and-**

**Jon Dupont** at Georgia Construction Products for rallying the sponsors. We are excited about having the tournament at the Stone Mountain Course where we will host next years ICRI Spring National Convention Golf Tournament.

This year we have emphasized the involvement of students in our Chapter. Our August meeting was held at Southern Polytechnic University and we will have our November meeting at the Georgia Tech Civil Engineering Lab. We are also combining industry experience and academic experiments at GA Tech by having one of our member contractors, (Engineered Restoration Inc.) teach and demo crack injection.

The November meeting being held at Georgia Tech will be presented by Dr Zureick and the subject will be **"Concrete**

**Repair and Strengthening in a Seismic Environment"**. We will be able to inspect actual mock-ups in various stages of deterioration and repair at one of the nations finest research laboratories.

The plans for the 2007 Spring ICRI National Convention have been set and we are looking forward to hosting the event. We hope to have over 30 people from our chapter attend the reception dinner / program.

This year has been both challenging and rewarding. I have learned a lot about working with many of the industries committed professionals in a volunteer organization. We are fortunate to have so many talented individuals in our chapter and I look forward to your continued commitment. Don't forget to go to our web site at [www.icriga.org](http://www.icriga.org).

**Georgia Chapter to Host ICRI 2007 Spring Convention**

Your Chapter will host the ICRI Spring 2007 Convention in Atlanta on April 18-20, 2007. The event is scheduled to be held at the Sheraton Buckhead Hotel. A golf tournament has been planned and a program for spouses will be held at Maggiano's Little Italy Restaurant and many more exciting events.

We really need more local people to get involved with the technical committees and to be active at the National Level.

The 2006 Fall Convention will be held in Denver, Colorado on November 1-3, 2006 at the Adams Mark Hotel. For more information on this — [www.icri.org](http://www.icri.org).



**Ralf Leistikow, P. E.**

Wiss Janey Elstner  
Associates, Inc.

## Post – Tensioning Strand Evaluation and Repair–September

One of the hottest topics in concrete repair is that of post-tension concrete repair. The September technical program sponsored by the Georgia Chapter was presented by Ralf Leistikow, P. E. with Wiss Janey Elstner Associates, Inc. Mr. Leistikow, (Past GA Chapter President), outlined a history and review of available post-tensioning components and systems, causes of PT deterioration, Investigation techniques, repair techniques and case studies.

The Georgia Tech students and repair professionals who attended benefited from the speakers personal experience consulting in hundreds of post-tension projects. The testing and evaluation techniques he reviewed covered post-tension deterioration cases involving accidental cutting of cable, original installation deficiencies, corrosion and fire damage.

Everyone who attended was impressed by the new techniques of acoustic monitoring, gas purge drying systems, partial strand replacement and supplemental external PT. We would like to thank Ralf for a professional presentation and we hope to hear more about this subject next year.

***“One of the hottest topics in concrete repair is that of post-tensioning concrete repair”***



Ralf Leistikow, Speaker

Ron Thomas, President

Members eating lunch

## ***“Scenes From the September Meeting”***



Marshall Murphey presents ICRI Golf shirts with new logo for Chapter

Mr. Leistikow begins presentation in the Red Room at Petite Auberge Restaurant

President Ron Thomas presents plaque to Ralf Leistikow for his presentation



### The Georgia Aquarium Comes to the ICRI

The Georgia Chapter captured quite a bit of attention by sponsoring an educational luncheon at the Southern Polytechnic State University in August. Larry McDowell, P.E., Uzun & Case Engineers presented an up close, behind the scenes insight in to "Structuring the Georgia Aquarium". This \$240 million dollar plus high profile project is the largest enclosed aquarium tank in the world and houses over 100,000 animals including the famous whale sharks. Since opening in November 2005 the Aquarium has already received 3 million guests.

Mr. McDowell lead us through the unique challenges of meeting the architectural and struc-

tural demands of constructing a building that would hold 8 million gallons of fresh ocean water and last longer than 75 years. The largest tank, pictured here, is 230 feet long, 120' wide and 30 feet deep. You can imagine the precise concrete forming that took place with all the unique geometric shapes and exact placement of 24" thick acrylic transparent panels. This was all done while negotiating layers on layers of pipe and plumbing that would eventually clean and recycle ocean water.

Lessons learned in our industry about concrete corrosion helped protect the structure. Specialized waterproofing techniques, 3-inch concrete cover over galvanized reinforcing

steel and self-compacting concrete.

Engineering students, faculty, contractors, engineers and suppliers made up the group of 45 attendees. Everyone in attendance enjoyed barbeque and good fellowship. Three students were awarded ICRI memberships. We would like to thank our host, Southern Polytechnic State University for providing a beautiful room and the warm reception.



Larry McDowell, P. E. , Speaker



Photo of Georgia Aquarium Submitted by Larry McDowell, PE, Uzun & Case Engineers

### Scenes from August 31, 2006 Meeting

Entrance to Southern Polytechnic State University , Marietta, Georgia



Seminar attendees lining up to get food- Joe Mack Wilson Student Center (Ballroom)



*"90,000 cubic yards of structural concrete and almost 100,000 total yards consumed."*

GEORGIA CHAPTER ICRI, INC.

Mission Statement



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News Articles? Send to "Sammie" at [SammieLFM@aol.com](mailto:SammieLFM@aol.com) We will put in the Newsletter

We are on the Web!

[WWW.ICRIGA.ORG](http://WWW.ICRIGA.ORG)

*"To improve the quality of concrete restoration, repair, and protection, through education of, and communication among, the members and those who use their services*

**ICRI Photo Contest!**

Have you taken any unusual pictures of job sites, vacations, employee appreciation?

Can we use it in the ICRI news letter? Send us your photos, if it is good enough to put it in the news letter each month.

You will win a chance in a drawing for a digital camera.

Send your photos to: [sammiefm@aol.com](mailto:sammiefm@aol.com)

Good Luck!

**UPCOMING EVENTS**

**NOVEMBER 9, 2006 11:30 a.m./ 1:30 p.m.**

***"Concrete Repair and Strengthening in a Seismic Environment"***

**Abdul-Hamid Zureick, Professor  
 Structural Engineering Mechanics, and Materials  
 School of Civil and Environmental Engineering  
 Georgia Institute of Technology, Atlanta, Georgia**

This meeting will be held at the Georgia Tech Civil Engineering Lab. You will observe actual mock-ups of structural concrete in various stages of deterioration and repair following a seismic event. Also, you will get to tour the Georgia Tech Lab, one of the finest labs in the country.

**PLEASE MAKE YOUR PLANS TO ATTEND THIS ALL IMPORTANT LUNCHEON/SEMINAR.**

**DIRECTIONS AND REGISTRATION INFORMATION WILL BE POSTED ON OUR WEB PAGE VERY SHORTLY.**

**Your attendance is very important to us! Be there!**

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**Annual Holiday Dinner**

December 6, 2006–Petite Auberge Restaurant

Cash Bar–6:30 p.m. with Dinner at 7:00 p.m.

Installation of Officers and Directors/Scholarship Awards More information will be on the Web in November.

Your attendance will be greatly appreciated!!