

THE CONNECTION

INTERNATIONAL CONCRETE REPAIR INSTITUTE
WWW.ICRICAROLINAS.ORG

CAROLINAS CHAPTER
FEBRUARY 2009

PRESIDENT'S MESSAGE

JOHN LAMBERT
STONE RESTORATION OF AMERICA



I am honored to represent such a professional group of people as your Chapter President for 2009. Thanks for the confidence. I intend to deliver to your expectations. We have a very committed Board and Executive Director this year and our expectations should be high.



We have done well over the past few years having good conference attendance and being honored as the 2007 Chapter of the Year. It is also exciting that we will be hosting the ICRI National Convention next year. My focus this year is to reach out and touch more professionals in our industry and get them involved in our chapter and our conferences. It would be very helpful to have all our members do the same and talk up the organization to your contractors, subcontractors, material men, and design professionals. We have a great group of people involved but we deal with many more people on a daily basis that can add to our organization. ICRI serves several functions: education, social, and networking. It is one of the few organizations that we belong to that have all of these opportunities for us.

We will be holding two conferences this year. Many companies are cutting back and we feel we would rather have two large successful conferences and allow our members to best utilize the resources available to them in this economic climate. The Spring Conference on March 27 will be held at the Hilton Garden Inn Southpoint Mall in Durham. The topic is "STRUCTURAL STRENGTHENING: DESIGN AND IMPLEMENTATION." The Fall Convention will be held in Charleston, SC on October 9 and 10. I urge all of our members to email a link to our website www.icricarolinas.org to their business associates.

Let 2009 be the year you get involved in ICRI and attend the conferences and help promote this organization among our industry peers.

Feel free to contact me with any questions or suggestions. I can be reached at jlambert@stoneres.com, and (704) 499-9524.

John

2009
Fun &
Games



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- 2009 SPRING CONFERENCE REGISTRATION

THE 2009 SPRING CONFERENCE: A TOPIC YOU WANT AND A HOTEL YOU'LL REMEMBER



Make your plans early for the Spring Conference. The theme is one that ranked high on the membership survey, **Structural Strengthening: Design & Implementation**

and the line up of expert speakers is impressive. And you will get 5 PDHs in some outstanding surroundings. We will be operating out of the brand new **Hilton Garden Inn at Southpoint Mall**. The guest rooms boast brand new LG 32" LCD HD TV's, Garden Sleep System beds, Herman Miller Mirra ergonomic desk chairs, wired/wireless HSIA, mini fridges, coffee makers and microwaves all for your convenience. This one will be sweet! Get your registration in now and also reserve your room with the hotel; space will be limited.



2009 ICRI FUN AND GAMES

All work and no play makes Jack a dull boy. We have all heard that saying throughout our lives....so to start the New Year off right, we wanted to remind you of two joint programs of the Carolinas Chapter of ICRI and the Waterproofing Contractors Association that will provide you with some extraordinary networking opportunities as well as benefiting a great cause....the scholarship programs of these two fine organizations.

Mark your calendars now, starting organizing your teams and join us. There are links to both of these events off the home pages of the two organizations' web sites and this year we have added on-line credit card registration and sponsorship for both events.



There are several sponsorship opportunities available in both events starting at \$125 and the event committees have been working hard on these two events. Education is one of the cornerstones of our chapter, and hopefully you will do all you can to support these efforts. Shoot some clays or shoot some birdies.....come on out and join us.

The Second Annual ICRI /WCA Sporting Clay Shoot

Thursday, April 16 at the Friendship Gun Club in East Bend, NC. This is northwest of Winston-Salem and truly started with a bang....last year's inaugural event drew 65 shooters and this is a tremendous facility. Let's see if we can get 100 shooters there! Call some clients or friends and register as a team.



The Second Annual ICRI / WCA Spring Classic Golf Tournament

Thursday, May 14 at the Challenge Golf Course located at Hideaway Farms in Graham, NC.....a great course. This 6935-yard championship par 72 layout features some of the most beautiful holes in all of golf. The course was created by Larry Waggoner and built on wooded rolling farmland adjacent to the Haw River. The farmland was part of the Waggoner family Farm (Hideaway Farms) and provides a scenic splendor of stunning natural beauty.

It was Voted 2nd Best New Course in North Carolina by NC Magazine, and received Best New Public Course in the Piedmont by Carolinas Magazine. The Challenge is currently rated Four-Stars by Golf Digest and is consistently recognized as one of the Top 50 courses in North Carolina.



2009 Spring Conference Schedule

Hilton Garden Inn Durham/Southpoint Hotel
7007 Fayetteville Road
Durham, North Carolina 27713

CONFERENCE THEME:

**“STRUCTURAL STRENGTHENING:
DESIGN AND IMPLEMENTATION”**

Thursday, March 26, 2009

3:00 p.m.

Board of Directors Meeting – Board Room

5:00 – 11:00 p.m.

ICRI Chapter Hospitality Suite

DINNER ON YOUR OWN

Friday, March 27, 2009

7:00 – 8:00 a.m.

Table Top Displays set up

8:00 – 8:30 a.m.

Registration & Packet Pick-up

Table Top Displays and Coffee and Juice

8:30 a.m.

General Sessions

Welcome and Announcements

President, John Lambert

8:45 – 9:45 a.m.

Program Session I: “Use of Carbon FRP Grids in Repair”
Gregg Blaszk, P.E., Metromont Corporation

9:45 – 10:00 a.m.

Break

10:00 a.m. – 11:00 a.m.

Program Session II: “Fire Protection”

Dr. Aixi Zhou, Assistant Professor,
UNCC Engineering Technology

11:00 a.m. – 12 noon

Program Session III: “Blast Protection”

Khaled El-Domiaty, Senior Engineer, BakerRisk

12:00 a.m. – 1:00 p.m.

Lunch Buffet and Drink (included in conference Registration)

1:00 – 2:00 p.m.

Program Session IV: “Understanding Design Basics with CFRP”

Dr. Sami Rizkalla, NCSU Distinguished Professor of Civil Eng.

2:00 - 3:00 p.m.

Four Project Case Studies on Structural Strengthening

Presented by Sika, BASF, 3M and Metromont Corporation

5 PDH'S

MAXIMIZE YOUR EXPOSURE; BECOME A SPONSOR NOW

Chapter sponsorships run for the entire calendar year so to maximize your exposure and return on investment, it is best to get those in now if you haven't already paid them. You can either go to our website at: www.icricarolinas.org/registration.htm and pay your sponsorship with a credit card or select the appropriate sponsorship package on the conference registration form and send in your sponsor check with your conference registration. Either way, getting in before the first conference is your best deal. If you have any questions, call Kelly Andrews. Be a part of the 2009 ICRI Carolinas Chapter Sponsorship Team.

Our Platinum Sponsors



'For the Best in Building Materials'



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Baker Restoration and Waterproofing Services
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**Become a Chapter
Sponsor in 2009!**

Biographies of Your Conference Speakers 2009 Spring Chapter Conference “STRUCTURAL STRENGTHENING: DESIGN AND IMPLEMENTATION”



Gregg Blaszak, P.E

Metromont Corporation in Greenville, SC

Mr. Blaszak is a licensed engineer with over 10 years of experience with the design and construction of projects using fiber reinforced polymers (FRPs). He has worked with a wide range of FRP products and custom FRP structures including FRP strengthening systems, carbon grids, FRP re-bars and tendons, bridge decks and superstructures, sheet piling, and large FRP waterfront structures. He is a nationally recognized expert in the area of FRP strengthening and chaired the American Concrete Institute's ACI 440F subcommittee on FRP repair. He was the co-editor of 440.2R-02, "Guide for the Design and Construction of Externally Bonded FRP Systems for Strengthening Concrete Structures". Mr. Blaszak has consulted on many high profile projects including the recent restoration of Frank Lloyd Wright's Solomon R. Guggenheim Museum in New York City.

He recently joined Metromont Corporation in Greenville, SC to focus on special projects and new business initiatives.

Dr. Aixi Zhou, Assistant Professor, Engineering Technology

UNC-Charlotte, Charlotte, NC

Dr. Aixi Zhou is a faculty member in the Fire Safety Engineering Technology Program at UNC Charlotte. Aixi has been active in research in the areas of fire resistant materials and structures, polymer composites and adhesives, structural fire safety, service life of structures, methods and tools for fire safety evaluation and investigation, and solid mechanics. He has over 40 scientific publications in journals, books, and conference proceedings.

Aixi's currently funded research projects on composite structures include "Standard for Load Resistance Factor Design of Pultruded Fiber-Reinforced Polymer Structures (Plates)," supported by the American Society of Civil Engineers (ASCE), "Development and Application of Fire Resistive Models for Naval Composite Structures," supported by the Office of Naval Research – Naval International Cooperative Opportunities in Science and Technology Program (NICOP), and "Structural Fire Resistance of Fiber Reinforced Polymer Composites," supported by a UNC Charlotte Faculty Research Grant. Additionally, Aixi is also currently working on a research project funded by the Department of Homeland Security's Assistance to Firefighter's Grant Program, "Effectiveness of Pre-Applied Wetting Agents in Prevention of Urban-Wildland Interface (UWI) Fires." Aixi obtained his Ph.D. in Engineering Mechanics from Virginia Tech in 2002, his M.S. in Mechanical Engineering from Lanzhou University of Technology in 1999, and his B.S. in Mechanical Engineering from Shenyang Institute of Aeronautical Engineering in 1996. Prior to joining UNC Charlotte, Aixi worked as a graduate research assistant and post-doctoral associate in the Department of Engineering Science and Mechanics at Virginia Tech, as a post-doctoral associate in the Department of Structural Engineering at the University of California-San Diego, and as a senior scientist and lecturer in the School of Architecture, Civil & Environmental Engineering at the Swiss Federal Institute of Technology-Lausanne.

Khaled El-Domiaty, Senior Engineer

BakerRisk, Washington, DC

Mr. El-Domiaty received his Master of Science degree from the University of Missouri-Rolla. Mr. El-Domiaty has been active in design and application of innovative blast upgrade techniques using fiber-based composites and elastomers for structural upgrades and catch systems to resist blast loads as well as validating simplified and complex Finite-element dynamic analysis with blast testing.

Mr. El-Domiaty is a senior engineer and lead supervisor for the structural division at the BakerRisk- Washington, DC office. He has spent the last eight years assessing blast effects on both conventional and hardened structures from terrorist weapon detonations as well as accidental vapor cloud deflagrations. He has performed detailed assessments and retrofit mitigation designs for various US and government agencies, commercial clients, and a large number of petrochemical facilities nationwide and overseas.

Mr. El-Domiaty is currently leading a sub-task committee for the American Concrete Institute's ACI 440F to develop blast design guidelines for upgrading concrete and masonry structures with FRP composites.

Dr. Sami Rizkalla, Distinguished Professor of Civil Engineering

Civil, Construction and Environmental Engineering, NCSU, Raleigh, NC

Dr. Sami Rizkalla is the Distinguished Professor of Civil Engineering and Construction, Director of the Constructed Facilities Laboratory (CFL) and Director of the NSF I/UCRC - RB2C Center at NCSU.

His research is in the field of advanced composite materials and its use for civil engineering applications including design, construction and performance of reinforced and prestressed concrete structures and bridges. The past ten years have been focused on the use of fiber reinforced polymer (FRP) materials for rehabilitation, strengthening and repair of bridges and structures, as well as new construction.

Dr. Rizkalla's current research areas include:

- Use of FRP for flexural and shear strengthening of concrete and wood structures and bridges;
- Use of high-modulus carbon FRP for repair of steel structures and bridges;
- Study of high performance steel reinforcement of concrete structure;
- Innovative FRP bridge decks;
- Use of FRP tubes filled with concrete as reinforcement of concrete structures, and
- Use of optic fiber sensor techniques for monitoring the structural health of structures and bridges.

In addition, hundreds of technical papers have been published and presented on the use of FRP for new construction and strengthening of structures and bridges.



**Registration - 2009 ICRI Carolinas Chapter Spring Conference
 Hilton Garden Inn Durham / Southpoint Hotel
 7007 Fayetteville Road, Durham, NC 27713
 Thursday/Friday, March 26-27, 2009**

*Conference & Hotel Registration Deadlines February 25, 2009
 to be guaranteed space and/or avoid late fees.*

Company: _____

Name: _____ NC/SC PE #: _____

Mailing Address: _____

E-mail: _____ Phone: _____

ICRI Conference Registration Fees

Member Attendees: \$205 per person = \$ _____

Non-Member Attendees: \$245 per person = \$ _____

**THE 2009 ICRI CAROLINAS CHAPTER SPONSORSHIP PACKAGES
 (good for both conferences in 2009)**

Platinum Conference Sponsorship: \$1,000 + logo art \$ _____
 (includes 3X6 individual banner with logo displayed in all 2009 Conferences, logo in each of Chapter newsletters, all conference agendas and hospitality board, free tabletops)

Gold Hospitality Sponsorship: \$500+ logo art \$ _____
 (single 3X6 banner with all Gold Sponsor logos and acknowledgement in all 2009 newsletters, all conference agendas and hospitality board)

Silver Hospitality Sponsorship: \$250 \$ _____
 (acknowledgement in all 2009 newsletters, all conference agendas and hospitality board)

Bronze Hospitality Sponsorship: \$100 \$ _____
 (acknowledgement in all 2009 conference agendas and hospitality board)

Tabletop display: \$100 (Six foot table in the meeting room) \$ _____

Total amount due \$ _____

CONFERENCE HEADQUARTERS HOTEL PACKAGE

For Reservations at **Hilton Garden Inn Durham / Southpoint Hotel** call the hotel's front desk direct at (919) 544-6000 and reference "ICRI Carolinas Spring Conference" group rate.

Room Rates include a full hot breakfast: \$129.00 king; \$159.00 queen/queen plus tax.
 Conference attendees are invited to the Carolinas Chapter Hospitality Suite
 Thursday night from 5:00pm until close.

**Return registration and sponsorships with check payable to "ICRI" by February 25, 2009 to:
 ICRI Carolinas Chapter Spring Conference, 8608 Timberwind Drive, Raleigh, NC 27615
 OR you can pay these on-line with credit cards at www.icricarolinas.org**

For more information, call (919) 870-0315 or fax your registration to (919) 844-4833
**Registration received after February 25, 2009 should include
\$20.00 late fee (total of \$225 member / \$265 non-member).**

2009 OFFICERS AND BOARD OF DIRECTORS

PRESIDENT

John Lambert
Stone Restoration of America
704-697-9909; jlambert@stoneres.com

VICE-PRESIDENT

James F. Hadley
Sika Corporation
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Daniel L. Bueker (until 2011)
BASF Building Systems
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CAROLINAS CHAPTER COMMITTEE CHAIRMEN

Program Committee - Jim Hadley

Hospitality Committee - John McDougall

Call Committee - John Lambert

Membership and Education - Jeffery Molby

Nominating - Carlton Steinmetz

Awards & Project of the Year - Jim Hadley

Sponsorship - Dan Bueker

Points Committee - John McDougall

Website - Jim Hadley

EXECUTIVE DIRECTOR

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KEY CHAPTER MEETING DATES

Mar 26 Board Meeting #1 -
Mar 27 Spring Conference
April 16 Board Meeting #2
April 16 WCA/ICRI Sporting Clay Shoot
April 22-24
May 14
June 18
October 8
October 9-10
Oct 21-23
Nov 10 (Tues)

RDU, NC 4:00p
RDU, NC
Friendship Sporting Clay
Friendship Sporting Clays
ICRI National Spring Convention
ICRI/WCA Golf Tournament (Graham)
Board Meeting #3 - Dunhill Hotel
Board Meeting #4 4:00p
Fall Convention
ICRI Fall Natl Convention
Board Meeting #5

Pre-Conference Meeting
Hilton Inn Gardens, Durham
8:30am Breakfast Fall Conference
East Bend
Minneapolis, MN (Extreme Concrete Repairs)
The Challenge, Hideaway Farms
Charlotte 11:00am Fall Conference Finalized
Pre-Convention Meeting
Charleston, SC TBA
Tempe, AZ (Theme: Flooring Issues)
Raleigh 2009 Budget/Spring Conference

**APRIL 15-16, 2010 Carolinas Chapter hosts
ICRI National Spring Conference in Myrtle Beach, SC**



**ICRI - CAROLINAS CHAPTER
8608 TIMBERWIND DR.
RALEIGH, NC 27615**

