

THE CONNECTION

INTERNATIONAL CONCRETE REPAIR INSTITUTE
WWW.ICRICAROLINAS.ORG

CAROLINAS CHAPTER
AUGUST 2009

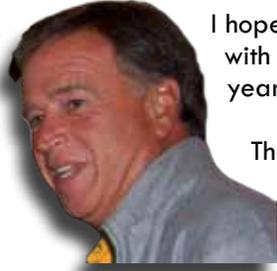
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PRESIDENT'S MESSAGE

JOHN LAMBERT
STONE RESTORATION OF AMERICA



I hope everyone is enjoying the summer and getting some time off to spend with the family and friends. The weather has been quite nice for this time of year and very welcome by those of us who earn our living out of doors.

There are many exciting things happening at ICRI both in the Carolinas and nationally. The very big news is that the organization has expanded its area of interest to masonry restoration. ICRI has published a new guideline for the evaluation of masonry façade structures. Jim Hadley has more on this development in his article.



If you recall we did not have a summer conference this year since most companies and individuals are cutting back expenses to deal with the economic woes. The positive side of that decision is that your board and executive director have put together a fabulous fall conference in one of your favorite cities, Charleston, SC. The conference will take place at the Courtyard by Marriott in Mount Pleasant on October 9 and 10. Our topic is historic restoration projects and we have a group of very interesting speakers who will present a variety of projects of great interest. Please encourage your associates and friends in the industry to attend and get together in Charleston for a fun, informative weekend.

Make plans for the spring of 2010 to attend the ICRI national conference which will be hosted by the Carolinas chapter in Myrtle Beach, SC. The event will take place at the Marriott Grand Dunes April 14 through April 17, 2010. The Carolinas Chapter is hosting a dinner and dance party at the Ocean Club at Grand Dunes on Thursday April 15th featuring music by Billy Scott and the Prophets one of the east coast's premier bands. Sure to be a good time for all and a great opportunity to meet the top national restoration people right in our back yard.

Thanks to all who participated in the joint ICRI and WCA shoot and golf outing. We raised over \$1500.00 for our scholarship fund. The additional interest by our members has obviously spilled over to our student applicants. We had a record number of scholarship entries and they produced some very competitive essays. Thanks to Jeff Molby and Tara Cavalline and everyone else who supported this effort.

A big part of the fall is awarding Project of the Year to one of our members. With the advent of masonry restoration being included the national guidelines we are including masonry restoration projects along with concrete restoration projects to be eligible for the project of the year award. These projects must have been completed over the past two years to qualify. Jim Hadley has worked to produce a very simple application that you can file online to enter. Let's all get involved and make this a competitive event.

Save up your money and get your registration in for Charleston. I look forward to seeing you there.

John

NATIONAL ICRI SPRING CONFERENCE COMING TO CAROLINAS CHAPTER



Mark your calendars now and plan to attend the 2010 ICRI National Spring Conference which will be held April 14-17 at the Marriott Grande Dunes in Myrtle Beach. The conference theme will be Bridges, Airports and Parking Garages.

With the great line-up of speakers and activities associated with the ICRI National Convention, and to encourage as many area concrete professionals as possible to attend this meeting, we will not be holding a Spring Carolinas Chapter Conference in 2010.

Of special interest to our members will be opening party which will be hosted by the Carolinas Chapter at the fabulous Ocean Club at Grande Dunes on Thursday evening, April 15. The menu will be a tradition Low Country spread of seafood and entertainment will be by Billy Scott and The Prophets out of Atlanta, a legendary southeast beach music band.

HISTORIC RESTORATION: THE FALL CONVENTION IN CHARLESTON

What could be more appropriate? The Fall Carolinas Chapter Convention is in fabled Charleston, SC with a theme of "Historic Restoration." This is one you don't want to miss.....a chance to celebrate our second consecutive Chapter of the Year Award and pick up 5 PDHs on a fascinating topic. The conference committee has pulled out all the stops with six outstanding speakers from across the country covering everything you wanted to know about Historic Restoration. Plus we will have our semi-annual



golf tournament and annual awards banquet with presentation of the Chapter Project of the Year. Full details on the conference agenda, registration and the Project of the Year competition are in this newsletter and on the website; register now for a great time in Charleston.

PSST... HAVE YOU HEARD?

Have you heard the news that the ICRI is no longer just limited to concrete repair? Did you know that the National ICRI Project of the Year awards now include submission of masonry repair projects?

Yes, it is true that masonry is now an aspect of the repair process that the association is covering. There is a brand new technical guideline No. 410.1-2008 "Guide for the Evaluation of Masonry Façade Structures". The May/June 2009 issue of the Concrete Repair Bulletin featured Masonry. Some of the articles included;

- Overview of the New ICRI Technical Guideline for Evaluation of Masonry Façade Structures
- Durability Aspects in the Design of Masonry Stone Facades
- Cathodic Protection of Historic Terra-Cotta
- Project Feature; St. Alphonsus Church Repair and Spire Installation

In staying in lock-step with our national leadership, we are also observing masonry as a focus for our chapter. It begins this fall with our Annual Convention in Charleston, SC conference entitled "Historical Restoration" and will feature both masonry and historical concrete repair.

As announced at the Spring Conference our chapter Project of the Year award will now include some changes;

1. The submission of masonry projects. Requirements will remain the same as that of the concrete repair application. See the web site for the rules and application. Major portion of a project must be in either masonry or concrete repair.
2. Projects may be submitted that included both masonry and concrete repair as the majority of the contract.
3. Projects being submitted for consideration must be preformed and completed within 2 years of the submission deadline. This means that for the 2009 submission, projects must be completed no later than October 2007.

These are exciting times for our association and it is clear that we have a very strong chapter as we have won Chapter of the Year two years in a row. Pick-up the May/June 2009 issue and turn to page 42 for Beth Newbold's Chapter Committee letter that acknowledges our chapter for both size and activity, we are very well respected.

Don't forget the Project of the Year winner receives a complimentary Platinum Sponsorship, a \$1000.00 value. This includes a banner hung at every conference, company logo on the chapter website and a link to the company website as well as a free table top at every conference and many other marketing advantages.

Jim Hadley-Vice President Carolinas Chapter

2009 ICRI CAROLINAS CHAPTER FALL CONVENTION COURTYARD BY MARRIOTT - CHARLESTON / MT. PLEASANT, SC "HISTORICAL RESTORATION"



Thursday, October 8, 2009

4:00 – 5:00 p.m.
Board of Directors Meeting - Board Room

5:00 p.m. – until
Hospitality Suite - Room 122

DINNER ON YOUR OWN

Friday, October 9, 2009

Island Ballroom

7:00 – 8:00 a.m.
Registration & Packet Pick-up / Table Top Displays set up
(Coffee, juice, sodas & water provided); restaurant on-site
for your convenience

8:00 a.m.
General Sessions: Welcome and Announcements
President, John Lambert, Stone Restoration of America

8:15 – 9:15 a.m.
Program Session I: "Restoration Cleaning:
Turning Back The Hands of Time"
George Arnold, Prosoco

9:15 – 9:20 a.m.
Short Stretch Break

9:20 – 10:20 a.m.
Program Session II: "Working With Preservation Organi-
zations: Restoration of the Seelbach Hilton in Louisville"
Gabriel Molina, El Arcadis

10:20 – 10:30 a.m.
Break

10:30 – 11:30 a.m.
Program Session III: "Historic Concrete Bridge Restoration"
David Hoff, TranSystems Corp

11:30 a.m.
Adjournment

1:00 – 5:30 p.m.
ICRI Chapter Golf Tournament
Shadowmoss Plantation Golf Course
www.shadowmossgolf.com

6:30 p.m. – 7:30 p.m.
Hospitality Suite - Room 122

7:30 – 8:00 p.m.
Social (Cash Bar) at Lobby Bar

8:00 – 9:30 p.m.
Annual Chapter Banquet
plus Annual Awards and Golf Prizes
Island Ballroom

Saturday, October 10, 2009

Island Ballroom

7:30 – 8:30 a.m.
Table Top Displays (Coffee, juice, sodas & water provided)

8:30 - 9:00 a.m.
Annual Chapter Business Meeting
President, John Lambert, Stone Restoration of America

9:00 a.m. – 9:45 a.m.
Program Session IV: "Historic Concrete Investigations at
Pointe du Hoc, Normandy, France"
Dr. Tanya Komar, California State University – Chico, CA

9:45 a.m. – 10:30 a.m.
Program Session V: "Historical Profile of Charleston"
Mike Moore, Salem Contracting & Mark Howell, Structural
Preservations Systems

10:30 – 10:45 a.m. Break

10:45 – 11:45 a.m.
Program Session VI: "Project Spotlight: First Baptist Church-Raleigh"
Jed Daniel, Seager Waterproofing

11:45 a.m.
Adjournment

OUR PLATINUM SPONSORS



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BIOGRAPHIES OF YOUR CONFERENCE SPEAKERS

2009 FALL CHAPTER CONVENTION - "HISTORICAL RESTORATION"

George Arnold, Partner Specified Materials, Greensboro, NC

George has been involved with products for the construction industry since receiving his BA from UNC Charlotte in 1976. After positions with McEwen Lumber Company and Sunbelt Coatings took him away from his North Carolina roots, George opened a Charlotte based regional office for Hydrozo Coatings in 1984. In 1990 he was presented with an offer to buy a manufacturer's rep firm called Tech Sales, Inc. In 2001 he formed a partnership with Louis Boyd of Carolina Agents and today this partnership is marketed under the name of Specified Materials.

Specified Materials' mission is to share their experience to aid in proper material selection, promote communication between design professional and contractor and facilitate successful the successful installation and performance of the specified materials. Specified Materials' focus is on products for protecting the building envelope and for durable and sustainable flooring surfaces. Always active in his industry, George has served in roles for many organizations locally. These roles include the Presidency of the Waterproofing Contractors Association, Charlotte Chapter CSI and Carolinas Chapter ICRI. Additionally he shares his energies with his community through involvement in Crescent Rotary Club. George and his wife Laura reside in Greensboro, NC.

Gabriel Molina, EI, Structural / Rehabilitation Engineering Arcadis, Charlotte, NC

Gabriel Molina is a structural designer and building envelope specialist for ARCADIS in Charlotte, North Carolina. His education background includes a bachelor of science in civil engineering from the University of North Carolina at Charlotte, 2006 and is one year away from becoming a registered Professional Engineer.

Mr. Molina's experience includes new design, structural analysis, condition assessments, rehabilitation design, and numerous mechanical integrity evaluations. Mr. Molina performs new design and structural analysis including foundations, slabs, structural frames, walls, and tanks and specializes in steel, reinforced concrete, fiberglass, and timber materials. Condition assessments include property condition assessments (PCA), parking structure condition surveys, and façade condition surveys. Mr. Molina has performed several rehabilitation projects which include field condition surveys, building envelope and waterproofing design, and ASTM and AAMA window testing.

David Hoff, P.E. Associate / Vice President TranSystems Corporation, Greenville, SC

David Hoff is an Associate / Vice President with TranSystems and is currently the Greenville SC Office Team Leader and lead bridge engineer. Since his graduation in 1983 from NC State University with a Bachelor of Science in Civil Engineering, David has been involved primarily with structural engineering and analysis of highway structures. Prior to joining TranSystems, David worked for firms such as Lichtenstein performing inspections and bridge rehabilitations and NCDOT in their engineering and plan production, engineering development and working drawings review groups.

David's broad structural background includes development of structural design and analysis for replacement, rehabilitation and upgrade of fixed and movable vehicular, rail and pedestrian bridge projects. using structural steel, reinforced and prestressed concrete and timber materials. His bridge inspection experience includes project management and inspection for nearly 400 bridges, lead-

ing inspection teams for 225 of the nearly 400 fixed and movable bridges. He is currently registered in seven states: NY, WVA, VA, NC, SC, FL and TX and is a certified bridge inspector.

Tanya Komars, Ph.D, Program Coordinator Concrete Industry Mngmt, California State Univ - Chico, CA

Dr. Tanya Wattenburg Komars holds a Ph.D. in Architecture from Texas A&M University, an MS in Historic Preservation from Columbia University, New York, a BS in Landscape Architecture from the University of California, Davis, and a Certificate in Historic Preservation from Texas A&M University. Dr. Komars is the Director of the Concrete Industry Management (CIM) program at California State University, Chico, and is a Corresponding Fellow of the Center for Heritage Conservation, College of Architecture, Texas A&M University. Dr. Komars teaches and conducts academic and professional research in concrete evaluation and repair, decorative concrete, sustainable aspects of concrete, historic building rehabilitation, and advanced computer graphic methodologies for the building professions.

Mike Moore, General Manager Salem Contracting Inc., Charlotte, NC

Mike was born and raised in Charlotte, NC. He is a graduate of the University of Tennessee with a BS degree in Business Administration with a major in Management and a collateral in Marketing. Mike started his career with Salem Contracting Inc. in June of 2009. Mike's responsibilities include overseeing the company's finances and budgets for each job; as well as managing Salem's marketing efforts. Here he works on projects such as updating and editing the company's website, brochure, and presentations as Salem aims to expand its customer base throughout the Southeast. Also, he will be under management training for the next few years with current President, Gary Moore and with Structural Preservation Systems as well. The future goal will be managing the Southeast region for Salem Contracting, Inc. under Structural Preservation Systems.

Mark Howell, Project Development Manager Structural Preservation Systems, Baltimore, MD

Mark Howell has developed a professional reputation as a recognized leader in the concrete and masonry maintenance repair industry and has been involved personally in investigations and restoration of many contemporary and historic structures during the last decade. With degrees in architecture, civil engineering and construction management technologies, Howell is a member of International Concrete Repair Institute, American Society of Testing Materials E6 Committee, Sealant Waterproofing Restoration Institute, The Exterior Design Institute, Partners for Sacred Places and the Association for Preservation Technology.

Jed Daniel, Vice President Seager Waterproofing, Greensboro, NC

Jed was born in New Jersey and raised in Maryland. He is a graduate of NCSU with a BS degree in Civil Engineering with focus on structures. His professional career consists of 6 years structural steel design / project management; 9 years executive management for a design / build land developer and general contractor; and 15 years executive management for Seager Waterproofing, Inc. Jed is a licensed professional engineer in the states of North Carolina and Virginia, and holds the general contractor license for Seager. He is Past President of Greensboro Engineers Club, Guilford Rotary Club and the Carolinas Chapter of ICRI and is currently President-Elect for the international organization of Sealant, Waterproofing & Restoration Institute. Jed is married to Kathy for 30 years and enjoys fine wine, tennis, scuba diving and yes, GOLF.



**Registration - 2009 ICRI Carolinas Chapter Fall Conference
 Courtyard by Marriott – Charleston / Mt. Pleasant, SC
 Thursday-Saturday, October 8-10, 2009**

*Conference & Hotel Registration Deadlines September 8, 2009
 to be guaranteed space and/or avoid late fees.*

Company: _____

Name: _____ NC/SC PE #: _____

Mailing Address: _____

E-mail: _____ Phone: _____

ICRI Member Registration Fees
 (includes Fri/Sat morning coffee and juice, Friday banquet and all breaks)

ICRI Member Attendees:	\$255 per person =	\$ _____
Non-Member Attendees	\$295 per person =	\$ _____
Friday Night Banquet for Spouse	\$25 extra	\$ _____

The Golf Tournament is at Shadowmoss Plantation Golf Club in Charleston, SC. Tee times will start Friday afternoon, October 9, 2009 at 1:00pm. 48 slots are available. (\$90.00 includes cart fee, 2 drink tix and boxed lunch). **Skill Level** (circle your handicap): **A B C D** \$ _____

ICRI FALL CONVENTION SPONSORSHIP PACKAGES

Platinum Conference Sponsorship: \$1000 + logo art \$ _____
 (includes 3X6 individual banner with logo displayed in Fall Convention, logo in remaining Chapter newsletters, all conference agendas & hospitality board + free tabletop)

Gold Hospitality Sponsorship: \$500+ logo art \$ _____
 (single 3X6 banner with all Gold Sponsor logos and acknowledgement in 2008 - 2009 newsletters, all conference agendas & hospitality board)

Silver Hospitality Sponsorship: \$250 \$ _____
 (acknowledgement in remaining 2008 newsletters, all conference agendas & hospitality board)

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

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

TOTAL AMOUNT ENCLOSED \$ _____

CONFERENCE HEADQUARTERS HOTEL PACKAGE

For Reservations at **Charleston / Mt. Pleasant Courtyard by Marriott**, call the hotel's front desk direct at (843) 284-0900 and identify yourself as an "ICRI Fall Conference" attendee, OR go to www.marriott.com/chscm and put "ICRICRA" for kings or "ICRICRB" for two queens under the Promo/Corporate Code. Conference Room Rates : \$139.00 per night single or double plus tax.

Conference attendees are invited to the Carolinas Chapter Hospitality Suite Room 122 Thursday night from 5:00pm until close.

**Return registration form with check payable to "ICRI" no later than Sept. 8, 2009 to:
 ICRI Fall Convention, 8608 Timberwind Drive, Raleigh, NC 27615
 OR pay on-line with credit cards only at www.icricarolinas.org**

For more info call **919 870-0315** or to fax your registration, dial **919 844-4833**.
Registration received after Sept. 8, 2009 should include \$25.00 late fee (total of \$280/320).

2009 CHAPTER STUDENT SCHOLARSHIP AWARDED

The Carolinas Chapter of ICRI is proud to announce that Joseph Calouche has won our yearly essay competition and has been awarded the \$1,500 student scholarship. Joseph, who served 5 years in the United States Marine Corps, is currently a junior at the University of North Carolina Charlotte and expects to graduate from the Construction Management Technology program in the fall of 2010.



Competition was high, but Joseph's essay was selected the best of the 12 essays received from students enrolled in the North and South Carolina University systems, engaged in engineering or construction programs with concrete-related coursework. The contestants were asked to write a 500 word essay in response to the following question:

“What are the risks to a General Contracting firm who undertakes concrete restoration repairs without a design professional being involved in the project?”

A special thanks goes to our corporate sponsors, employers of our Board of Directors, conference speakers, and membership whose excellent support allows ICRI – Carolinas to offer this annual scholarship. Congratulations to Joseph and thanks to all the other students who submitted their excellent essays in this years competition. Here's Josephs winning essay and be sure to look to our website (ICRICarolinas.org) in the fall of 2009 for details on our 2010 scholarship essay competition.

Even though concrete is one of the most durable construction materials used today, cracking and deterioration is inevitable. A design specialist can be a great advantage to a repair team. First and foremost a design specialist has the ability to evaluate the extent of the concrete damage and assess the cause of the damage. Damages to concrete structures are caused mainly by serviceability shortcomings, loss of strength, change in the loading of the structure, building modification, or overloading caused by natural disasters. When attempting to address a repair without a design specialist a contractor can incur great risk, both financial and legal.

A design professional would conduct an inspection of the structure that would include evaluating, the structure's existing floor system, diagnosing of the problem, and providing a recommendation based on the findings. The majority of concrete repairs are cosmetic. Only in rare cases are repairs needed to restore the structural integrity of the concrete. The most severe cases of concrete failure are mostly due to poor workmanship or design. A design specialist has the ability to determine if a repair is cosmetic above and beyond that of a general contractor.

During concrete repair and restoration loads and forces that act on the damaged concrete are not the same as the loads and forces determined in the design of the structure. A contractor who simply follows the original plans without a full understanding of those forces is at risk of not grasping the full scope of the problem. A design specialist can recognize and take into account these variables so that the risk is minimized and offer an appropriate design solution to the contractor.

A concrete design specialist will also ensure that all building codes and regulations are followed throughout the repair process. Failing to follow building codes can be costly to the contractor and unsafe. Carrying out the repair so that it meets building codes helps reduce the liability to the property owner and the risk to the contractor.

A design specialist is an expert in design as well as the products used in concrete repair. Although repairs carried out without a design specialists may be adequate, a design specialist has the most up-to-date knowledge about materials used in industry. A design specialist can bring innovation and a more specialized engineering skill set to the repair process. Because of this expert knowledge a design specialist can devise repair methods that are more cost efficient and materials that are more durable. A contractor might use improper materials that result in accelerated failure of the repair.

Design specialist have accomplished extensive training in the mixing and curing of many varieties of concrete. This narrowed focus gives them abilities above and beyond that of a contractor in a repair process. Contractor's that do not employ a design specialist during a restoration process are exposed to unnecessary risks and the possibility that the job will be completed incorrectly, wasting time and money.

-Joseph Calouche

2009 OFFICERS AND BOARD OF DIRECTORS

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Membership and Education - Jeffery Molby

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Website - Jim Hadley

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FAX (919) 844-4833
Email: kellybob@earthlink.net

KEY CHAPTER MEETING DATES

October 8	Board Meeting – Marriott Courtyard - Mt. Pleasant	4:00p Pre-Convention Meeting
October 9-10	Chapter Fall Convention – Marriott Courtyard	Mt. Pleasant, SC
Oct 21- 23	ICRI Fall Convention	Tempe, AZ
Dec 10	Board Meeting – Ocean Club, Myrtle Beach	2010 Budget/Spring Conference
April 14-17, 2010	ICRI National Spring Convention	Myrtle Beach, SC

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

