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Project Sales Representative
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frier.craig@sika-corp.com

Nick Graziani
Project Sales Representative
P: 219-448-1416
graziani.nick@sika-corp.com

Mike Packo
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packo.mike@sika-corp.com

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OUR ASSOCIATION...

ICRI, the only association in the concrete industry devoted solely to repair and restoration, publishes a bimonthly magazine and technical guidelines for concrete repair, and cosponsors the World of Concrete. Local chapters provide regional networking opportunities. Worldwide membership include contractors, manufacturers, engineers, distributors, owners, and other professionals with a common goal: prolonging the useful life of concrete through quality repair, restoration, and protection.

OUR MISSION...

The mission of the International Concrete Repair Institute is to be a leading resource for education and information to improve the quality of repair, restoration, and protection of concrete and other structures in accordance with consensus criteria.

LETTER FROM OUR PRESIDENT

We are now approaching the end of the year. We have had many good events this year. It was good to see our dinner meetings and social events so well attended. I am also happy to see so many new faces. Our industry is constantly changing with new products and new ideas. That is always the goal of our chapter to keep everyone informed of new technologies and refresher meetings on older technologies.

Our next dinner meeting will be at Carmichaels again on November 13th. The topic will be Service Life Modeling of Corrosion Repairs. We will also be having our Holiday Social event alongside a new membership drive. Please keep your eyes out for the information. The date will be November 28th.

I want to personally thank all of the board members committee members and our various presenters for all of their help in making 2012 a very good and productive year. This is my final Presidents letter. I have truly enjoyed being on the board over the years and want everyone to always keep an eye out for new members, new topics, and new ideas. The continued growth of our chapter helps our industry.

Yours truly,

Jeff Smith
President - ICRI Chicago Chapter
The 2012 Chicago Chapter Officers and Directors are already hard at work under the leadership of our new President, Jeff Smith.

President        Jeff Smith
MCA             815-666-6485
smithrestoration@gmail.com

Secretary      Alex Szatanek
Thornton Tomasetti, Inc. 312-848-1487
aszatanek@thorntontomasetti.com

Vice President    Jeff Zeitler
CCS             773-507-6858
jzeitler1014@gmail.com

Treasurer      Sean Meracle
Sherwin Williams 312-666-5245
sean.m.meracle@sherwin.com

Directors

Suzanne Emery
Mapei
312-576-5705
semery@mapei.com

Shane Crowe
847-867-8688

Zelina Johnson
Klein and Hoffman, Inc.
312-251-1931
zjohnson@kleinandhoffman.com

Steve Genovese (not pictured)
Harry S. Peterson
773-638-5206
steveg@harryspeterson.com

Terry McDonald
Klein and Hoffman, Inc.
312-251-1977
tmcdonald@kleinandhoffman.com

Sean Obrien (not pictured)
Drake Restoration
815-482-4142
drakerestoration@hotmail.com

Committee Chairman 2012

<table>
<thead>
<tr>
<th>COMMITTEE</th>
<th>CHAIRMAN</th>
<th>PHONE</th>
<th>E-MAIL</th>
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<tr>
<td>Awards</td>
<td>Jeff Zeitler</td>
<td>773-507-6858</td>
<td><a href="mailto:jzeitler1014@gmail.com">jzeitler1014@gmail.com</a></td>
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<tr>
<td>Communications</td>
<td>Shane Crowe</td>
<td>815-530-9631</td>
<td><a href="mailto:shanec@urpinc.com">shanec@urpinc.com</a></td>
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<tr>
<td>Financial</td>
<td>Sean Meracle</td>
<td>312-666-5245</td>
<td><a href="mailto:sean.m.meracle@sherwin.com">sean.m.meracle@sherwin.com</a></td>
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<td>Golf Outing</td>
<td>Bob Dilla</td>
<td>708-562-6700</td>
<td><a href="mailto:bdilla23@gmail.com">bdilla23@gmail.com</a></td>
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<tr>
<td>Membership</td>
<td>Jeff Smith</td>
<td>815-666-6485</td>
<td><a href="mailto:smithrestoration@gmail.com">smithrestoration@gmail.com</a></td>
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<tr>
<td>Nominations</td>
<td>Jeff Smith</td>
<td>815-666-6485</td>
<td><a href="mailto:smithrestoration@gmail.com">smithrestoration@gmail.com</a></td>
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<td>Programs</td>
<td>Zelina Johnson</td>
<td>312-251-1931</td>
<td><a href="mailto:zjohnson@kleinandhoffman.com">zjohnson@kleinandhoffman.com</a></td>
</tr>
<tr>
<td>Publications</td>
<td>Craig Frier</td>
<td>847-767-2414</td>
<td><a href="mailto:frier.craig@sika-corp.com">frier.craig@sika-corp.com</a></td>
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<td>Seminars</td>
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<td>815-666-6485</td>
<td><a href="mailto:smithrestoration@gmail.com">smithrestoration@gmail.com</a></td>
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<td>Scholarship</td>
<td>Lee Sizemore</td>
<td>630-941-8970</td>
<td><a href="mailto:lelandsizemore@sbcglobal.net">lelandsizemore@sbcglobal.net</a></td>
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ICRI CHICAGO CHAPTER CONTRACTOR SPOTLIGHT:
KLEIN AND HOFFMAN, INC.

COMPANY PROFILE:
Since 1953, Klein and Hoffman (K&H) has provided structural engineering services for the design and rehabilitation of multi-unit residential, institutional, health care, and commercial facilities. Headquartered in Chicago, IL, K&H offers a uniquely qualified and dedicated group of individuals that share a wide diversity of engineering capabilities and expertise. K&H applies its specialized experience to improve the quality of the built environment through cutting-edge technology and a practical, hands-on approach.

K&H provides structural engineering services for new buildings and existing structures of all sizes and complexity. Our knowledge and experience re-engineering existing structures gives building owners and developers peace of mind in modernizing or rehabilitating their facilities.

In addition, our building envelope group works closely with owners, facility managers, developers and other design professionals to inspect, repair, rehabilitate and restore building facades, plaza decks, curtain walls, windows and roofs.

PROJECTS:
Loyola University – Mundelein Center Redevelopment (2012 Award of Merit – ICRI, 2012 Best Project Award – SEAOI)
Originally built in 1929, the Mundelein Center is a 14-story concrete-framed, limestone-clad structure on Loyola University’s Lakeshore Campus and registered as a National Historic Landmark and an official Chicago Landmark. Loyola planned a major renovation of the 4-story space, which originally housed a basement swimming pool, locker rooms, and a gymnasium, to be transformed into a full featured 230 seat performing arts theater. This included the necessary amenities such as fully equipped scene building shops and practice spaces, and was topped with a new glass ballroom at the roof level. An aggressive design and construction schedule was established by the Owner which required constructible, timely, and effective designs and out-of-the-box thinking. K&H’s expertise in concrete repair and façade restoration and understanding of the materials’ behavior were key in the success of the project and realizing the Owner’s dream and the Architect’s objectives.

Other design challenges included: strengthening of the existing 2nd floor concrete joists with a 3” structural bonded overlay to allow for the theater and stage loading, removal of three existing columns which supported four stories above to open the theater stage space by means of a new 13-foot deep steel transfer truss; and strengthening of the 36” steel beams with composite floor trusses (CFTs) to allow for the addition of the one-story glass ballroom and terrace.

John G. Shedd Aquarium – East Mezzanine Slab Reconstruction (2010 ICRI Project Award)
Reconstruction of the east mezzanine slab at the John G. Shedd Aquarium presented numerous structural and construction challenges. Located in the historic aquarium structure constructed in 1927, the slab was originally designed to function as a roof enclosure for the chiller room. Growth of the aquarium necessitated use of the mezzanine as occupied space. Not only was the mezzanine significantly deteriorated due to the high chloride in the concrete because of the proximity of salt filters, it had a load-carrying capacity of only 0.07 psi (0.0005 MPa). This limited the functionality of the 3200 square feet (297.3 square meters) space for the proposed use required by the aquarium.

Klein and Hoffman’s analytical review of the load path facilitated detailing to work within the existing construction constraints. Contractor coordination was important to minimize the relocation of existing mechanical systems to accommodate the required structural design on time and within budget.

(Continued on page 7)
ICRI CHICAGO CHAPTER CONTRACTOR SPOTLIGHT: KLEIN AND HOFFMAN, INC. (CONTINUED)

James House Condominiums – Concrete Rehabilitation and Window Replacement

The James House condominium building was built in 1972, and is a 43-story high-rise constructed with an exposed concrete frame. Typical aluminum framed window and sliding door systems are set into the structural frame on all elevations, spanning from floor to ceiling.

K&H performed an interior survey of representative units, performed air and water performance testing and provided a detailed report documenting current window and door conditions with repair and/or replacement options and corresponding cost estimates. Project preparation included initial concrete quantification, installation of multiple window and door mockups, and trial concrete repairs to further refine estimated quantities. K&H also provided consulting services to include comprehensive program development, color renderings, and a presentation to Association residents to clarify the investigation and explain further program details.

Malibu East Condominium – Parking Garage Rehabilitation

The parking garage at Malibu East Condominiums is a four story cast-in-place concrete structure at the base of a 45 story residential tower. Several commercial spaces occupy the first floor below the parking garage and a pool deck is located on the roof level above the 4 floor of the parking garage.

Klein and Hoffman, Inc. (K&H) was retained to perform a structural assessment of the parking garage. During our investigation, we determined that several areas within the parking garage required repairs due to prolonged exposure to moisture and de-icing salts, as the waterproofing membrane had failed in several areas. The rehabilitation program and repairs performed by K&H extended the useful life of the deteriorated parking garage. Through the use of phasing the work, the repairs were performed with minimal impact on the commercial spaces, as well as the owners in the residential tower.

ICRI CONTACT:

Terry McDonald, P.E. S.E. - Senior Project Manager/Engineer
Terry has served as an ICRI board member from 2010 to 2012, and has more than 12 years of experience in the restoration of existing building structures as well has structural design for renovation and adaptive reuse projects.

COMPANY CONTACT:

Homa Ghaemi, P.E., S.E., Principal
Klein and Hoffman, Inc.
150 S. Wacker Drive, Suite 1900
Chicago, IL 60606
T 312.251.1900 · F 312.251.1960 · D 312.251.1934
Website Address: www.kleinandhoffman.com
SEPTEMBER DINNER MEETING HIGHLIGHTS

Our September dinner meeting was held at a new location, the Grotto Italian Steak House in Oak Brook, Illinois. The food was exceptional and the program, “Epoxy Injection: Myths & Misunderstandings,” featured insight into epoxy injection repair methods and quality control measures that were both insightful and informative. Speaker Robert Trout of Lily Corporation provided personal experience working in various environments and gave the audience an opportunity to learn from both success and failures overseen throughout his career. Thanks to Mr. Trout and to the programs committee for their work and dedication in providing another valuable educational program.
If you would like to promote yourself and your company within the Chicago Chapter membership and those on the Chicago Chapter mailing list, this is the time to register. At this time, the Newsletter and Advertising committees are accepting applications for your participation in our state of the art newsletter, the "Concrete Reinforcer". Our publish dates for the 2013 business year will be: February, April, September and November.

**2013 ADVERTISING RATE SCHEDULE:**

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*Note:* Rate applies to a single ad, run through all issues in 2013. Alternate ads can be placed, by issue, for an additional fee of $75 per issue. Please let us know in advance if this is your intention in advertising in the Concrete Reinforcer.

To register as an advertiser, please send your check along with your print media to: ICRI Advertising & Newsletter Committee
C/O Kelly Asuncion
1920 S. Highland Ave., Suite 210
Lombard, IL 60148

*Note:* electronic media can be sent to frier.craig@us.sika.com
Checks must be received no later than **January 31st, 2013**. Space is limited and provided on a first come-first serve basis.
Date: Tuesday, November 13, 2012

Topic: “Service Life Modeling of Corrosion Repairs”

FEATURED SPEAKER: Paul Tourney of Tourney Consulting Group

Our speaker, Paul Tourney, of Tourney Consulting Group, will be discussing the various aspects of Service-Life Modeling, including uses, industry trends, performance, history, and the process steps.

Paul is the President of Tourney Consulting Group. His primary role at TCG is building business opportunities for the company, and is also actively involved in many engineering projects. He graduated from Purdue in 1982 and obtained an MBA in Marketing from Boston University in 1998. Prior to starting Tourney Consulting Group, Paul worked at WR Grace and Carl Walker, Inc.

CARMICHAEL’S CHICAGO STEAK HOUSE
1052 W. Monroe
Chicago, IL 60607
(312) 433-0025

Free valet parking is provided
Cocktails at 5:15 pm, Dinner at 6:00 pm, Presentation at 7:00 pm
Cost: $55/person

Seating is limited!! Please respond no later than noon on November 8th to assure a dinner.

Dinner Choices:
Prime Rib (PR)* Grilled Salmon in Sesame Ginger Glaze (S) Chicken Piccata (C)

* If we do not receive your RSVP by Tuesday, November 6th, you will not be able to order the Prime Rib.

Name: ___________________________ Dinner Choice: _______________
Name: ___________________________ Dinner Choice: _______________
Name: ___________________________ Dinner Choice: _______________

Company: __________________________
Address: __________________________
City: __________________ State: ______ Zip Code: _____________
Phone: __________________________ E-Mail: __________________

RSVP: Phone: (630) 307-3800 Fax: (630) 307-7030 E-mail: info@icrichicago.org
Checks made payable to: Chicago Chapter ICRI
Send Checks to: ICRI, PO Box 578625, Chicago, Illinois 60657 or Pay Online at www.icrichicago.org
2012 Holiday Social & Game Night
Wednesday, November 28th

Fox and Hound
1416 North Roselle Road • Schaumburg, IL

Fox & Hound’s phone number is (847) 884-6821

Come join us for Food, Drinks and Games, including Pool, Ping-Pong, Shuffleboard, Darts and Video Games!!! And don’t forget the card games!!!

In the spirit of the holidays, please bring a non-perishable food item per person to receive a $5 discount on entry fees.

Prize Raffles & 50/50 Raffle will also be held during the evening.
Proceeds from both will be donated to the Greater Chicago Food Depository.

6 pm – 11 pm (cash bar)
Slider Buffet - 7 pm
2nd Round (Wings & Things) Buffet - 9 pm

Entry and Food - $50 / Person
Texas Hold’em Tournament - additional $20 / Person (Cash on Entry)

Please respond no later than noon on November 21st to assure a dinner and tournament spot.

Name: ____________________________ Tournament: ____________________________

Name: ____________________________ Tournament: ____________________________

Name: ____________________________ Tournament: ____________________________

Name: ____________________________ Tournament: ____________________________

Company: ____________________________

Address: ____________________________

City, State, ZIP: ____________________________

Phone: ____________________________ E-mail: ____________________________

RSVP: Phone: (630) 307-3800  Fax: (630) 307-7030  E-mail: kasuncion.icri.chi@gmail.com

Checks made payable to: Chicago Chapter ICRI
Send Checks to: ICRI, PO Box 578625, Chicago, Illinois 60657 or Pay Online at www.icrichicago.org
3RD ANNUAL ICRI CHICAGO CHAPTER
CHICAGO CUBS ROOFTOP OUTING HIGHLIGHTS

We had record attendance this year at the Chicago Chapter’s 3rd Cubs Rooftop Outing held on September 14th. Thanks again to the very accommodating staff at Skybox on Sheffield, who worked with us to get last minute attendees into the venue. The sun was out and the Cubs again saved one of their rare victories for our event, playing spoiler to the playoff hopeful Pittsburgh Pirates. All of those in attendance not watching the 7-4 victory, enjoyed time networking with ICRI friends and the excellent food and beverages supplied by Chicago’s own Goose Island Brewpub. Many thanks go out to those who attended, as well as the social events team who put together the event.
<table>
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<th>ICRI TECHNICAL GUIDELINES &amp; PUBLICATIONS</th>
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<td>No. 03730 Guideline for Surface Preparation for the Repair of Deteriorated Concrete Resulting from Reinforcing Steel Corrosion</td>
<td>$16.00</td>
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<tr>
<td>No. 03731 Guideline for Selecting Application Methods for the Repair of Concrete Surfaces</td>
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<td>No. 03732 Guideline for Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymers Overlays - Guideline Only</td>
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<td>No. 03732P Guideline for Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymers Overlays - Guideline and Concrete Surface Profile Chips</td>
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<td>No. 03733 Guideline for Selecting and Specifying Concrete Repair Materials</td>
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<td>No. 03734 Guideline for Verifying Field Performance of Epoxy Injection of Concrete Cracks</td>
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<td>No. 03735 Guidelines for Methods of Measurement and Contract Types for Concrete Repair Work</td>
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<td>G 03736 Guideline for the Evaluation of Unbonded Post-Tensioned Concrete Structures</td>
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<tr>
<td>G 03737 Guideline for the Preparation of Concrete Surfaces for Repair Using Hydrodemolition Methods</td>
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<td>G 03738 Guideline for Selecting Grouts to Control Leakage in Concrete Structures</td>
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<td>G 03739 Guideline to Using In-Situ Tensile Pull-Off Tests to Evaluate Bond of Concrete Surface Materials</td>
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<td>G 03741 Guideline for Design, Installation, and Maintenance of Protective Polymer Flooring Systems for Concrete</td>
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<td>G 03742 Guideline for the Selection of Strengthening Systems for Concrete Structures</td>
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<td>G 03743 Guideline for the Repair of Unbonded Post-Tensioned Concrete Structures</td>
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To Purchase any of the above Bulletins or Guidelines, please contact: Sean Meracle, Chapter Treasurer at 312-666-5245 or sean.m.meracle@sherwin.com

November 2012