

CHAPTER NEWS

GEORGIA HOSTS PROGRAM ON FAÇADE INSPECTION

The Georgia Chapter hosted its February meeting on a beautiful sunny day, Thursday, February 18, 2016. The lunch meeting was held at Maggiano's in the Perimeter/Dunwoody area of Atlanta and was well attended by 38 members and guests.

Bryan Heery, ICRI Georgia chapter president, opened the meeting by welcoming all in attendance. Bryan recognized and introduced a special guest, Mike Levin, national director of ICRI. Bryan recognized and introduced several past presidents who were in attendance. Bryan recognized a couple of new members and asked everyone in the audience to introduce themselves and the companies they represent.

Then Bryan recognized Coastal Construction Products as the February meeting sponsor. Cole Helms, regional sales manager for Coastal, was introduced and greeted the crowd. Cole gave a brief overview of the company and presented a video which detailed the merger of Georgia Construction Products and Coastal Construction Products.

Evan Moore of Innovative Engineering, Inc., presented a very informative program called Practical Considerations for Building Façade Inspections. Evan discussed the history of façade inspection ordinances, how and why façades fail, and how to properly conduct façade inspections. Evan also presented a couple of case studies highlighting recent projects. After the presentation, Mr. Moore fielded several questions regarding façade ordinances and inspections.

Joshua Lloyd was introduced and made an announcement regarding the upcoming ICRI Golf Tournament at the Northwoods Country Club in Lawrenceville on May 2. James Dunlap drew the ticket for the "50-50" raffle which benefits ICRI's scholarship efforts. The winner was Bryan Heery of Everclear Enterprises. Before adjourning the meeting, Bryan Heery thanked everyone for their attendance and encouraged everyone to attend the upcoming March meeting.



Guest Speaker Evan Moore of Innovative Engineering addresses the crowd in Georgia



ICRI members and guests gathered for the Georgia Chapter February meeting

MINNESOTA HOSTS MEGA DEMO IN JANUARY

The Minnesota Chapter hosted its annual Mega Demo at the Cement Masons Training Center Local #633 in New Brighton, MN on January 7, 2016. This year's Mega Demo focused on Advances in Concrete Resoration and Protection Methods. This theme allowed plenty of teaching and learning opportunities for the over 70 contractors, restoration engineers, students, teachers and repair product representatives in attendance. The day consisted of classroom presentations, live demonstrations of concrete repair and restoration, announcement of new ICRI MN board members, presentations for both the 2016 Lifetime Achievement Award and Apprentice Award, as well as time for breakfast, lunch, and Q&A with concrete repair and restoration experts.

Past President Dave Schutta and 2016 incoming President Adam Bakeman got the Mega Demo started off by introducing the ICRI board as well as introducing new board members Jack Tuckner of Esch Supply, Todd Maland of TCC Materials, Mark Sheriff of Advance Specialties, and Chris Plessel of BKBM. Mr. Bakeman also recog-

nized and introduced the 2016 sponsors. 2016 Mega Demo attendees introduced themselves and the first classroom session was underway.

Presenters for the morning session covered a range of novel ideas for the concrete repair field:

- Dan Esch and Jack Tuckner from Esch Supply presented new advances to combat airborne silica. As the concrete repair industry evolves and there is greater commitment to worker safety, new technology in dust collection can keep our contractors and the environment safer as well as more productive.
- Keith Pashina, P.E., of Buildings Consulting Group, Inc. gave an informative talk discussing the ins and outs of concrete surface preparation and practical advice for determining the correct preparation to ensure quality repair.
- Will Warlick from V2 Components gave a presentation on custom glass fiber reinforced polymer "biscuit" repair and how they can be used in precast double tee beam repair.

The first live demonstration followed the classroom learning session. The apprentices and their teachers from the Cement Masons did a great job to create the space for all of the demonstrations with newly placed concrete slabs as well as a CMU wall with block donated by Anchor Block. Keeping the jobsite dustless was demonstrated with cutting, grinding, and sandblasting all done indoors. Ryan Christopherson from Graco Pumps showed sandblasting, vapor blasting, and media blasting for preparation and cleaning. Attendees also saw a demonstration of FRP (glass fiber reinforced polymer) biscuit repair.

Guests and members of ICRI reentered the classroom for another session before lunch, and Carl Scheenman, P.E., from Walker Parking Consultants/Engineers, Inc., gave a talk on state-of-the-art concrete repair. Carl gave insight to the many factors that ensure a quality concrete repair, and strategies to get building owners, material specifiers, engineers and contractors all on the same page. Time constraints, budget, weather,

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building owner needs and repair material performance and availability all need to be considered to give repairs the best chance of succeeding.

The ICRI Minnesota 2016 Apprentice Award was presented to Brandon Hennison. This scholarship was presented to Brandon by Dave Schutta, who spoke to the hard work and determination that Brandon has shown in his time at the training center. Brandon is a superb example of someone who puts in extra effort to gain knowledge. The concrete repair industry will be well served to have someone like Mr. Hennison around! Although Roger Oberg was not in attendance, he was honored with the ICRI Minnesota 2016 Lifetime Achievement Award. Roger works at BKBM engineers and has shown outstanding commitment to the restoration industry. Chris Plessel of BKBM accepted the

award on behalf of Roger. Thanks to Mr. Oberg for his dedication and service!

Before breaking for lunch, attendees were introduced to ICRI National's new management association by Jessi Meyer. David Ewald and Amanda Ewald gave a quick overview of their company making sure not to keep attendees, waiting too long for their lunch! During lunch in the main hall, attendees had the opportunity to check out the newest (and some of the tried and true) concrete repair solutions. There was time to catch up with colleagues and meet some of the new (and old) faces that represent manufacturers and material suppliers. Thank you to all of our tabletop sponsors! They were Ardex, BASF, Brock White, Carlson Equipment, Chris Krage & Associates, Construction Midwest Inc., Cortec, Esch Construction Supply, Euclid Chemical, Evonik, TCC Mate-

rials, W.R. Meadows, and Simpson Strong-Tie.

The afternoon classroom sessions included some great discussions and presentations of case studies of completed restoration jobs.

- Rick Elsner of Meyer Borgman Johnson along with Bryan Dziuban of RAM Construction Services discussed a button headed PT (post tension) cable replacement & ramp repair that was large in scope. Over three years they planned and achieved the repair of a ramp that had failed PT cables throughout much of the structure and needed to be replaced. With the size of the job, many unexpected challenges were encountered. Rick talked about many of the engineering demands of the job while Bryan described some of the difficulties with cutting and demolition as well as ready-mixed SCC (self-consolidating

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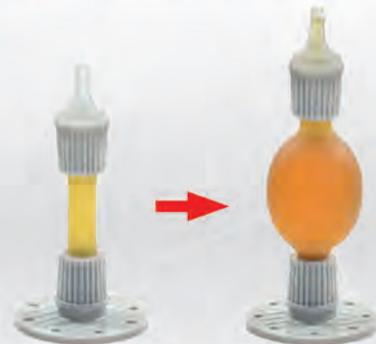
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concrete) designs. Great care was taken not to disturb sound structural elements which required both partial and full depth repair. The learning curve was great but concluded with a successful and quality restoration.

- Kurt Berglund of Clark Engineering gave a presentation detailing a PT beam repair. This job presented logistic difficulties — especially since the ramp owners needed to keep the ramp open during the restoration. While temporarily shoring the beam, they needed to create a pockets to splice and hand-tension 6 PT strands. Theoretical elongation of the strands did not match field measurements, and tight working environments created difficulty for the strands to be tensioned — the couplers needed so much leverage from the torque wrench that special hardened tooling wrench jaws were required.
- Dan Wald of BASF lent his expertise in the protection of concrete. Once a structure is repaired, it is important to ensure its longevity, and Dan described some of the ways that concrete can be protected from the elements and wear. Besides chemicals and products that have a proven track record of performance, Dan also spoke about the newest innovations centering on

“hybrid” deck coating systems. As the industry learns more and more, some of the old “rules of thumb” no longer hold true as blended systems of epoxies, single and plural component technologies come to the forefront.

- John Bauer of Tremco spoke to some of the demands for extreme service coatings and innovations in the protection of high traffic/rough service areas. New aggregates, colors, and systems are allowing increased flexibility for specifiers and for contractors.

After the afternoon classroom session, attendees went back to the main hall to check out more live demonstrations.

- Mark Christianson from Cortec Corporation demonstrated an innovative rust converting product for steel reinforcing that can't be easily cleaned prior to repair. Requiring only a wire brush removal of loose rust, the product converts remaining rust and acts as a primer for bonding agents or just concrete repair mortars. Mark and Josh Krage also demonstrated Cortec's surface applied corrosion inhibitor that can penetrate concrete to protect embedded reinforcing steel and promote long lasting repairs.
- Andy Bergum and Marthe Brock from BASF showed proper surface prepara-

tion and application of their new exterior wall coating. MasterProtect C350 is a tintable smooth acrylic wall coating designed to reduce dirt pickup. The breathable coating allows for easy clean up with either rainwater runoff or a simple water rinse. The result is a long-lasting building protection with reduced maintenance cost.

- Josh and Bryan Krage of Chris Krage & Associates demonstrated hybrid epoxy/polymer concrete repair that featured fast turnaround, moisture tolerance, as well as the ability for locally sourced aggregate to be utilized.

ICRI Minnesota is grateful to the Cement Masons Local #633 for allowing the use of their training center! There was huge effort by their team to ensure a great area and space for the 2016 Mega Demo. ICRI also presented the Cement Masons with a check for \$1500.00 in appreciation for all their hard work. ICRI would also like to thank all of our sponsors with table tops at the Mega Demo. Chapter sponsorships help make this great event possible and it ensures reasonable pricing for all attendees. If you are interested in sponsoring, please visit www.ICRIMN.com for additional information. See you at the 2017 Mega Demo!



Carl Scheenman, P.E., from Walker Parking Consultants/Engineers, Inc., spoke on state-of-the-art concrete repair. Carl gave insight to the many factors that ensure a quality concrete repair, and strategies to get building owners, material specifiers, engineers and contractors all on the same page. Time constraints, budget, weather, building owner needs and repair material performance and availability all need to be considered to give repairs the best chance of succeeding



Will Warlick from V2 Components demonstrated the use of custom glass fiber reinforced polymer “biscuits” and how they can be used in precast double tee beam repair



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David Ewald gave an introduction of Ewald Consulting to our attendees



Jack Tuckner from Esch Supply presented new advances to combat airborne silica. Here he is demonstrating the new dust collection technology that can keep our contractors and the environment safer as well as more productive



Rick Elsner of Meyer Borgman Johnson along with Bryan Dziuban of RAM Construction Services discussed a button headed PT (post tension) cable replacement & ramp repair that was large in scope



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Chris Plessel of BKBM accepted the MN ICRI 2016 Lifetime Achievement Award on behalf of Roger Oberg. Roger works at BKBM Engineers and he has shown outstanding commitment to the restoration industry



Andy Bergum and Marthe Brock from BASF showed proper surface preparation and application of their new exterior wall coating. MasterProtect C350 is a tintable smooth acrylic wall coating designed to reduce dirt pickup

BALTIMORE WASHINGTON HOSTS ANNUAL GOLF OUTING

On Friday, October 30, 2015 the International Concrete Repair Institute Baltimore Washington Chapter held its annual golf tournament at Little Bennett Golf Course in Clarksburg, MD, to benefit the Chapter Scholarship Fund. The tournament was held about a month later than usual due to a weather event in early October which forced the golf course to close for safety reasons. Prior to the postponement on October 2, 109 golfers had registered to play, which would have qualified the tournament as one of the most attended in Chapter history. After the postponement, 20 additional golfers (5 foursomes) registered as well as a couple more sponsors to make the tournament the most registered without a doubt!

The day of the tournament brought cold, blustery conditions. At 8:45am, the shotgun start time, temperatures were below 40 degrees with wind blowing 15 mph out of the north. That deterred a few participants from playing but not many. The golfer count at T-time was 116. A successful number by any calculation, but exceptional given the conditions!

The course was in excellent condition. The most wayward of T-balls (and there were a few of those) couldn't find hardpan. The fairways were lush and the greens true as any greens you could putt on. On all par threes, a prize was offered to anyone who hit a hole in one, sponsored by PPSI. On the sixth hole, however, the top prize was \$10,000 to any competitor who hit a hole in one. The downhill, 172 yard par three proved a formidable foe. The winner of the closest to the pin contest on that hole (Sean

McGinty) landed one 5'7" from the pin. A far cry from a hole-in-one but a great golf shot nonetheless. At the turn, competitors were treated to a putting contest for a chance to win \$5,000 sponsored by CSG Consulting Engineers. Everyone had a chance to qualify to become a semifinalist by making a squirrely 20-foot downhill left to right breaker if you hit it anywhere past the pin, it would roll off the green. It was a difficult putt to say the least. Of the 116 entrants, only 8 qualified for the semifinals. Of the 8 semifinalists, Kevin Kline qualified for the chance to win \$5,000 by making a 50-foot putt on the #18 green. The putt was downhill the whole way, but Kevin managed to leave it about 4 feet short. Not a bad putt, but not enough to win \$5,000. He did win a family four pack of Bowie Baysox tickets for his efforts!

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The tournament concluded with the first foursome coming in at 2:21pm (a 5:26 round). Participants were treated to lunch catered by CarterQue. Lunch was Baked Ziti, Chili, and Grilled chicken with sides. After lunch, winners were awarded (see below) their prizes, a 50/50 drawing was held (winner received \$280), and door prizes were given away courtesy of Dewalt/Tools and Accessories and ICRI.

The tournament, which was not without challenges presented by Mother Nature, was a success yet again raising over \$6,000 to benefit the ICRI/W Chapter Scholarship Fund. Even though the tournament was well attended, the real benefit to the organization is through its sponsors. A special thanks to the sponsors is in order! They are Concrete Protection and Restoration (Lunch Sponsor); Restoration East, LLC (Beverage Cart Sponsor); PPSI (Hole in One Sponsor); CSG Consulting Engineers (Putting Contest Sponsor); Choice Restoration Services (Range Ball Sponsor); Contracting Specialists (Straightest Drive Sponsor); Dewalt/Tools and Accessories (Breakfast Sponsor); and Vector Corrosion (Men's Long Drive Sponsor).

Competition Winners:

1st Place Team: Aaron Strong, Nick Henson, Zack Stern, Ross Reade

2nd Place Team: John Mimm, Dennis Patrick, Steve Williams, Doug West

3rd Place Team: Alan Rutherford, Ken Kostova, Bryan Monahan, Kelsey Sheridan

Closest to the Pin: #3: Lou Bell; #6 Sean McGinty; #17 Bob Plummer.

Long Drive: Men's: Ron Gartrell; Women's: Sande Eastwood

Straightest Drive: Todd Holter

BALTIMORE WASHINGTON GIVES BACK TO HABITAT FOR HUMANITY

Members of the ICRI Baltimore Washington Chapter participated in the annual community outreach event with Habitat for Humanity – Metro Maryland on Saturday, November 14. In addition to a financial donation, the ICRI chapter

provided volunteers to repair a single family house in Hyattsville, Maryland.

Habitat for Humanity is a non-profit organization that seeks to eliminate poverty and homelessness by building simple, decent, energy efficient, and affordable housing for those living in substandard conditions in our community. Habitat for Humanity teams with volunteers in the community to help build and renovate homes for families. In addition, the homeownership model provides an opportunity for low-income families to purchase the home and contribute to the construction with "sweat equity."

The ICRI crew arrived and after a short safety review was hard at work. The repairs were focused on improving the insulation because the house previously had high energy costs. Mariam Halata (Structural Rehabilitation Group) measured and cut lumber to furr-out the exterior walls to increase insulation thickness. Vince Olds (Creative Concrete Repair & Coatings) and Andrew Carr (Construction Insight) nailed the new lumber to the existing studs. Meanwhile, Patrick Allen (Structural Rehabilitation Group) used his height advantage to start preparing the ceiling for insulation.

Habitat provided the crew with lunch, where we had the opportunity to ask questions and swap stories. During lunch, the Habitat crew explained their excellent record of getting families into homes, keeping people in their homes long term, and building communities. The Habitat crew also talked about the ReStore, which sells new and gently used furniture and building materials to the public with all proceeds used for the housing projects.

The event was successful thanks to the group of volunteers that participated. It was a fun day working alongside fellow ICRI members helping those who are less fortunate achieve the dream of a stable home and community. The Industry Outreach Committee of the ICRI-BW Chapter is extremely thankful to all of the volunteers that have donated their time and skills to the Habitat for Humanity organization. Great work!

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PITTSBURGH HOSTS POST-HOLIDAY CELEBRATION

The Pittsburgh Chapter recently hosted its Second Annual Post-Holiday Party at the Blue Line Grill. Members enjoyed dinner and drinks while watching the Pittsburgh Penguins on TV. It was a relaxed environment to catch up with old friends and to meet some new members. Many door prizes were raffled off, including a 50" TV donated by Carl Walker Construction, Inc., that went to Tom McCann of Rampart Hydro Services. Thanks to all of the event sponsors for making a great night. The Pittsburgh Chapter will be offering a \$1,000 scholarship to family members of Chapter members pursuing coursework related to the concrete repair field. Applications will be issued in mid-May and will be due June 30. Please check the Chapter website and/or contact a Chapter officer for the application.



The big winner of the night, Tom McCann, with his new TV



The Chapter put together this sign to acknowledge event sponsors

SOUTHEAST FLORIDA GETS LAB TOUR

The Southeast Florida Chapter had a dinner event on Thursday, February 18, 2016 at the University of Miami. The event was a collaboration with the University of Miami's Structures and Materials Laboratory. They provided the attendees a brief overview of the University's Civil Engineering Department and the Structures and Materials Laboratory's function. The entire group was then taken on an extensive tour of the Structures and Materials Laboratory. The guests were then broken into small groups so that the doctoral students in attendance could provide each group some insight into the different aspects of their research. It was a great event put on by Dr. Antonio Nanni, Dr. Francisco De Caso y Basalo and the staff at the University of Miami.



Dr. Antonio Nanni gives a presentation at the University of Miami for Southeast Florida ICRI Chapter



Dr. Francisco De Caso y Basalo gives a presentation on UM's Structures and Materials Laboratory



PhD student Houman Akbari Hadid shows the fatigue testing they are doing on a control beam sample



Dr. Diana Arboleda shows concrete and CFRP samples they will be using for tests

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MICHIGAN HOSTS DEMO DAY PROGRAM

ICRI Michigan Chapter held an Annual Demo Day event on March 4, 2016. Engineers, contractors, municipality managers, and manufacturers gathered to discuss informative and entertaining news about concrete restoration and new technology.

The event was held at the J. Dedoes distribution warehouse in Wixom, Michigan. A free buffet lunch was provided for all attendees with pastas, sandwich wraps and many side dishes.



Members and guests of the ICRI Michigan Chapter enjoyed a day learning about new technologies and concrete restoration

The event was well attended with approximately 100 people. Sixteen companies participated by having tabletop displays promoting products and services. A full day schedule of demonstrations illustrating methods of application for corrosion inhibitors, pre-saturated fiber wraps, cementitious grouts, joint & spall repairs, as well as anchor resins were held.

ICRI MI would like to thank all exhibit and demonstration participants who provided an array of diverse and quality remedies of repair. Their involvement resulted in a very successful event.

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ROCKY MOUNTAIN AT THE COLORADO CONCRETE EXPO

The ICRI Rocky Mountain Chapter participated in the recent Colorado Concrete Expo and had a booth offering information on ICRI and the Chapter. The Expo included educational sessions with industry experts as speakers and trainers, demonstrations on decorative concrete products, and opportunities to watch concrete repair techniques in action. Attendees were also able to see concrete product and equipment manufacturers showcasing the latest innovative products and solutions for construction professionals. There were unlimited networking and referral-building opportunities, including a learning lounge and the exhibit show floor.

This was the first time this was put together; due to the overwhelming success, it promises to become an annual event. Attendance reached more than 500, more than \$12,000 in door prizes were given away, and a buffet lunch was provided for all. The event was free for all interested in education and learning about new products and equipment. A number of vendors and sponsors from the area came together to make this event happen.



Keith Boudart (far left) is seen here doing a live demo presentation on *Designing with Colored Concrete*



Setting up the ICRI booth are Leo Whiteley, Chris Dunbar, and Tom Henkel from the Rocky Mountain Chapter



Pictured here is Mark Grundmann (far right) presenting on behalf of Rocky Mountain ICRI chapter on the importance of proper surface Preparation. He referenced ICRI Guideline No. 310.2R-2013 *Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair*

2016 CHAPTER NEWS DEADLINES

MAY/JUNE
March 15, 2016

JULY/AUGUST
May 15, 2016

SEPTEMBER/OCTOBER
July 10, 2016

NOVEMBER/DECEMBER
September 10, 2016

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