Thanks to our 2020 newsletter sponsors! More sponsors are included throughout the newsletter.

JOIN ICRI! We encourage all of our industry friends to become a member of ICRI to support the organization and take advantage of the many benefits of membership. Registration is easy! Visit the ICRI registration page and make sure to include your annual membership in the North Texas Chapter ($40 per year) in addition to your national membership dues.
Hello everyone!

I would like to wish all ICRI North Texas members a Happy New Year, 2020 is already off to a great start. I am honored to serve as the 2020 NTX Chapter President, especially at the same time that past President and fellow NTX member, Mark LeMay, is serving as ICRI National President.

We have a event packed start to the new year. One new initiative for 2020 is to hold regular happy hours for our members. We would like to invite non members and potential members to attend. We have a very strong chapter but are always looking to increase our membership. If your company is interested in sponsoring a happy hour, let us know! We have several events scheduled for 2020 with details to come later.

With all the events on the 2020 calendar we would be more than happy to have members that are not on the board join in on planning committees. If you are interested please contact me or any of the North Texas Board Members.

Hope to see everyone soon! Everyone have a very productive 2020.

Sincerely,

Clay Boyle
2020 ICRI NTX Chapter President
Future Programs & Events

- March 13: Board Meeting
- March 23-25: ICRI Spring Convention (Vancouver, BC)
- April Membership Meeting w/ UT Arlington: date TBD

See the attached calendar for more 2020 dates!

ICRI North Texas Chapter Scholarship

The North Texas Chapter is offering scholarships to our members, their families, and others in the community. Multiple scholarships of at least $1,000 will be awarded to applicants in 2020 to be used during the fall 2020 semester. High school seniors and college undergraduate students, who are pursuing a certificate or degree from a college, university, or trade school, are eligible to apply. While preference will be given to full-time students pursuing a career related to concrete restoration, repair, strengthening or related fields, students from all disciplines can apply.

Applications are due on Friday, April 17, 2020, and the scholarship winner(s) will be announced on or about May 15, 2020. The payment will be made to the recipient’s school and put into an account in the name of the recipient. The application form is attached at the end of this newsletter.
An enthusiastic crowd gathered at the Las Colinas Conference Center in Irving, Texas for the North Texas Chapter’s final meeting of 2019. Following the bountiful fajita lunch buffet, the Chapter welcomed Keith Bohren and Chad Eades from Simpson Strong-Tie to present a program on “FRMC” (that is, Fabric-Reinforced Cementitious Matrix). What is FRMC? In short, it combines a sprayable mortar with a carbon-fiber grid to create a thin-walled, reinforced concrete repair that also strengthens the member to which it is applied. Keith provided background and technical information for the process. He explained that the system is similar to the more well-known epoxy-based FRP (fiber reinforced polymer) systems, with the exception that FRMC is cement-based. The advantages of FRMC include the fact that it matches the properties of the host concrete, it is more heat resistant than the epoxy-based systems, the system is breathable, and it is less labor intensive because it repairs and strengthens the concrete member in a single installation process. Best uses for the FRMC include large vertical and overhead surfaces to repair defects, to provide blast-resistance, seismic upgrades, and to increase load capacities for existing structural members. 4-hour fire ratings are achievable, along with 30-40% increases in structural capacity. The installation sequence includes removal of all unsound concrete, cleaning and coating any exposed steel reinforcing, and injecting cracks. A surface profile of CSP 6 to 9 is recommended, and the host concrete must be saturated surface dry (SSD). Mortar is spray applied to fill any voids, and a layer of mortar is applied to the concrete surface. The carbon fiber grid is added and embedded into the wet mortar using a trowel or wood float. A second layer of mortar is applied over the grid, screeded, finished, and wet cured for 3-5 days.

Chad provided some “lessons learned” featuring the earthquake-damaged Napa County Courthouse project where the FRMC system was applied to both the interior and exterior walls of the masonry structure. This project was recognized with an ICRI Award of Excellence, and was a 2019 Project of the Year finalist.
Fall 2019 ICRI Convention Delegate

Stephen Grelle, North Texas Chapter

I recently had the honor of serving as the North Texas Chapter delegate to the 2019 ICRI Fall Convention in Philadelphia, PA. The convention was held in a great location on Broad Street in the Center City area of Philly, which provided a great opportunity to take in the rich history of the city. The convention attendance was an all-time record and was a showcase of the strength of the organization and the enthusiasm of its members.

(Cont’d on Page 8)
At the convention, I attended a number of the technical sessions that were offered. Standout sessions included a presentation on matching historic concrete and the associated challenges, as well as a presentation by the North Texas Chapter’s own Steve Lucy and Dale Sellers on the restoration of the Dallas Municipal Building. The sessions were a great opportunity to stay up to date on new technologies and best practices in the industry.

I also attended several committee meetings during the convention. A common theme of the committee meetings was the ICRI initiative to develop more webinars after the success of the first ever ICRI webinar on concrete repair specifications, which was presented in mid-2019. A brief summary of the committee meetings I attended is below.

- **Committee 310 - Surface Preparation**: the committee discussed ongoing tasks related to surface preparation, including the potential creation of surface profile chips made of actual concrete. The chips would be intended to supplement the existing PC1-10 molded rubber chips. The committee also discussed creation of a webinar discussing the use and importance of the ICRI surface profile chips.

- **Committee 330 - Strengthening & Stabilization**: The primary discussion topic at the meeting was the ongoing development of a certification for fiber-reinforced polymer (FRP) inspectors or evaluators. Input from various industry representatives, notably manufacturers and engineers, was provided and elicited a productive discussion regarding the content of the program. It is ultimately expected that the program will be similar in nature to the current Concrete Surface Repair Technician program.

- **Chapters Committee**: As the delegate for the North Texas Chapter, I attended the Chapters Committee meeting and Inter-Chapter Luncheon, where I shared our chapter’s recent and upcoming activities and objectives and was able to learn about the status and initiatives of other chapters. The committee also voted to establish the Oklahoma Chapter - now an official ICRI Chapter!
I appreciate the opportunity to serve as the North Texas Chapter delegate, and look forward to hopefully doing so sometime in the future. I encourage all of our chapter members, regardless of whether you hold a position within the chapter, to attend future ICRI Conventions as a delegate. As a delegate, your convention registration fee will be waived, and the NTX Chapter will typically reimburse your travel expenses. If you are interested, reach out to a NTX Board Member for more information.

*Left:* NXT Chapter members Dale Sellers (center) and Steve Lucy (right) present at a 2019 ICRI Fall Convention

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Have industry news to share? Recent promotion? Industry recognition? We want to hear about it! Email AAggarwal@walterpmoore.com for inclusion in the next issue.
**2020 ICRI Spring Convention**

Plan to join the International Concrete Repair Institute (ICRI) in Vancouver, British Columbia. Whether you are a novice or seasoned professional, this is your best opportunity to expand your understanding of concrete repair, protection and restoration through networking, technical sessions with PDH credits, and participating in ICRI committee meetings.

**2020 ICRI SPRING CONVENTION**  
March 23-25, 2020  
“Repairs in New Construction”  
JW Marriot Parq Vancouver | Vancouver, British Columbia

You can expect another dynamic convention featuring concrete repair industry experts sharing their expertise with you. As always, your ICRI committees will be meeting throughout the convention and it is important to remember that all committee meetings (with the exception of the Fellows and Nominations) are open for anyone to attend.
The North Texas Chapter is always looking for ways to expand or refine the newsletter. If you have suggestions on what we should include in the newsletter, new ideas, articles, or things we need to cut-out please send those comments to Jon Carrier (jon_carrier@midcontinental.com).

Did your business card not make the newsletter? Don’t worry. We can include you in future issues of the newsletter. Please contact Jon Carrier (jon_carrier@midcontinental.com) for information.

Don’t delay as our newsletter ads operate on a calendar year.

Why should my company have ICRI-certified Concrete Surface Repair Technicians (CSRT) on staff?

The ACI 562-16 concrete repair code commentary states that CSRTs are qualified to perform testing and inspections required by the Design Professional. Look for this requirement to become more prevalent in the coming years as, ACI 562-16 is becoming more widely recognized. Plus, better quality control and quality assurance start with better training!
International Concrete Repair Institute North Texas (NTX) Chapter
Scholarship Application & Guidelines, 2020

Overview & Program Guidelines

Objective: To encourage participation in the concrete and/or concrete repair industries. Scholarship funding is provided by ICRI NTX.

Amount: At least $1,000 for tuition, fees, and books (more than one scholarship may be awarded)

Eligibility:1 High school seniors and college undergraduate students that are pursuing a certificate or degree from a college, university, or trade school.

Apply: Submit the following:
Completed application form
Cover Letter
Transcripts2
Test scores3

To: ICRI North Texas Chapter
Julie Bolding, Scholarship Committee Chair
1700 Alma Drive, Suite 250
Plano, TX 75075 214-237-7022 x 2003
jmb@armstrong-douglass.com

Due Date: Friday, April 17, 2020

Review: Completed applications will be reviewed by the Chapter Scholarship Committee. Appointed by the Chapter President, the Chapter Scholarship Committee Chair selects two committee members, who are approved by the Board of Directors. Applicant interviews may be requested by the Scholarship Committee. Committee members' family members are excluded from the opportunity to apply, but all others are are eligible to apply regardless of membership in ICRI.

Decision: Award recipient(s) will be notified via letter on or about May 15, 2020. An announcement of the award recipient(s) will be made during an ICRI NTX Chapter meeting.

Award: Funding will be awarded by July 1, 2020 and will be placed in an account under the award recipient's name at his or her college, university or trade school. If no school as been selected or if student ID number and school financial aid mailing information has not been provided as of this date, funding will be held until a school is selected. Award will only be sent directly to college, university or trade school, not to award recipient.

Follow-up: Award recipients will be expected to attend a NTX Chapter meeting (at no cost to the recipient) and to provide a follow-up letter (or e-mail) at the completion of the semester for which funding is allocated including a description of the coursework completed and grades earned.

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1 While preference will be given to full-time students pursuing a career in concrete restoration, concrete strengthening methods, concrete repair material research or related fields, students from all disciplines are invited to apply. Past recipients may reapply.

2 Applies to high school senior and college undergraduate applicants, unofficial transcripts are acceptable

3 Applies to high school senior applicants only, ACT or SAT scores are acceptable
International Concrete Repair Institute North Texas (NTX) Chapter
Scholarship Application & Guidelines, 2020

Scholarship Application

General:  
Date: ___________  Applicant's Name: ____________________________
       (Last) ____________________ (First, M.I.)

Present Address: 
(Street) ____________________________________________________

(City) (State) (Zip) ____________________________________________

Phone: ________________  E-Mail: ________________________________

Permanent Address: 
(Street) ____________________________________________________

(City) (State) (Zip) ____________________________________________

Phone: ________________

Education:  
College, university, or trade school you are attending or plan to attend:

_________________________________________________________________________________

Major Field of Study: ________________________________________________

Full-time: _________  Part-time: _________  Have you been accepted? _________

Work experience in the Concrete or Construction Industry:

_________________________________________________________________________________

_________________________________________________________________________________

Award Info:  
Remit to: ___________________________  Student ID: ___________________________

Department name and address where scholarship check should be sent:

*Note: Payment will not be sent to award recipient's university, college or trade school until award recipient provides their student ID number, and all information required to submit the award to their university, college or trade school.
International Concrete Repair Institute North Texas (NTX) Chapter
Scholarship Application & Guidelines, 2020

Have you received an ICRI NTX scholarship in the past? _________ When? _________

If you are working, how long have you worked in a field associated with ICRI?
>10 years _________ 5 to 9 years _________ <5 years _________

If you are a high school senior, what high school do you attend?

Supplemental:
List your community, civic, or professional organization affiliations (include leadership):
__________________________________________________________
__________________________________________________________

List your extracurricular activities and interests: ________________________________

Cover Letter:
In addition to transcripts and test scores (for high school senior applicants), please include a 1-2 page cover letter with your application. The cover letter should focus on your career interests and goals, strongest personal characteristics, and why you have selected your current course of study. Steps you envision taking to achieve your goals as well as a statement about how the receipt of this scholarship could assist in that process are also of interest to the Committee.

Signature of Applicant _________ Date _________
Printed Name

Signature of Parent/Guardian (if applicant is under 18) _________ Date _________

The information provided in this application is complete and accurate to the best of my knowledge. I understand that scholarships are awarded at the discretion of the Scholarship Committee and, by signing above, I give the Committee permission to contact my school for verification of the information I have provided. I agree that if I am awarded a scholarship I will notify ICRI NTX immediately if my educational program is interrupted or changed in any manner that might jeopardize its intent and that I may be asked to return the scholarship. Additionally, I understand that if I am awarded a scholarship, funds will be paid to my college, university, or trade school of attendance and placed in an account under my name.
### 2020 North Texas ICRI

#### Important Dates

**January**
- **January 17**: ICRI Fall Convention
- **October 5-7**: Minneapolis, MN

**February**
- **January 30**: NTX Social Hour
- **OCTOBER 9**: Board Meeting
- **February 3**: ICRI Kickoff Party
- **November 5**: Membership Meeting
- **February 3-7**: World of Concrete

**March**
- **February 3-7**: Membership Meeting
- **March 13**: Board Meeting

**April**
- **March 23-25**: ICRI Spring Convention
- **Vancouver, British Columbia**
- **April 3-7**: Joint Mtg. w/ UTA ASCE

**May**
- **May 8**: Board Meeting
- **June 12**: Membership Meeting
- **August 7**: Board Meeting

**June**
- **August 7**: Board Meeting

**July**
- **September 10**: Membership Meeting

**August**
- **October 2**: Golf Tournament
- **Newsletter Deadlines**: Week After Board Meeting
- **National ICRI Dates**: Federal Holiday
- **Board Meetings**: Special Events
- **November 10**: Membership Meetings
- **December 18**: Newsletter Deadlines

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**Legend**

- **FEDERAL HOLIDAY**
- **BOARD MEETINGS**
- **SPECIAL EVENTS**
- **NATIONAL ICRI DATES**
- **MEMBERSHIP MEETINGS**
- **NEWSLETTER DEADLINES**