



The Concrete Connection

A publication of the North Texas Chapter

NORTH TEXAS CHAPTER

THE CONCRETE CONNECTION

March 2022

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April Membership Meeting and Presentation

Presenter: Robert Hendricks, PhD
Senior Staff Geophysicist
Facility Services Line
Terracon



Light Detection and Ranging (LiDAR) is a remote sensing method that allows for the creation of accurate three dimensional models of objects or spaces. LiDAR has the ability to resolve variations in the millimeter scale, can collect millions of data points in a single scan and can be collected quickly from a number of platforms. This technology has been used in a variety of industries and is continuing to grow in use with new applications.

This presentation will provide an introduction into LiDAR technology and its uses in the facility engineering realm. A brief discussion on the concept of LiDAR, it's field methods and current uses in industry will be followed by several projects examples where LiDAR was used. These examples have application in the Concrete Structures discipline. In addition, other example projects where LiDAR has been used, including where it has been integrated with geophysical data, will be discussed to provide a complete view of it's current use within Terracon and facilitate discussion of other potential applications.

Date: Thursday, April 21, 2022

Time: Social hour at 11:00 AM, lunch at 11:30 AM, meeting from 12:00 PM to 1:00 PM

Location: Las Colinas Corporate Center, 4th Floor Conference Room

6363 N SH 161, Irving, TX 75038 (one floor below WJE's office)

Cost: \$25 member / \$35 non-member

[Click here to visit the ICRI website and register!](#)

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

President's Message



Abhishek Aggarwal

Hello all, and happy spring! I hope that we are past the unusual number of bouts of freezing weather in our region. As we all know, the freeze-thaw cycles have a tendency to deteriorate concrete and they test the quality of existing concrete and concrete repairs. Professionals dealing with concrete and concrete repairs can tell you that using proper material and good construction practices are essential for durability of structures under such conditions. Should you need help with issues related to deteriorating concrete, the experienced engineers, concrete repair material manufacturers and contractors here at ICRI represent the best and are available to provide you with assistance.

The months of April and May will be buzzing with activity here at ICRI. As you'll read in this newsletter, The National ICRI Convention is being held at Baltimore, MD in early April. This is a great opportunity to meet with other peers in the industry, swap experiences, and learn from each

other. Our annual Sporting Clay Classic will be held in May so be sure to register and field a team.

The North Texas (NTX) Chapter's scholarship program has been a showcase of our strength and an example of our determination to support students. The NTX Chapter plans to donate at least \$5,500 via various scholarship programs this year. This is something of which our members and member companies should be very proud of. The annual Sporting Clay Classic, along with the Jesse Points Golf Classic held in the fall, are our primary fundraisers for the NTX Chapter scholarships and donations. Please consider supporting the event by becoming a sponsor, donating prizes, or fielding a team. For those members and companies who support the NTX Chapter year after year, thank you for your continued support of our efforts. You truly are making a difference by supporting students and encouraging their development as future contributors to the concrete repair industry.



Future Programs & Events

Save the date!
 Sporting Clay Classic
 Friday, May 13, 2022
 Elm Fork Shooting Sports



Registration & sponsorship opportunities
 will be available soon

CALENDAR						
S	M	T	W	R	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

- April 4-6: ICRI Spring Convention
- April 14: Membership Meeting
- May 6: Board Meeting
- May 13: Sporting Clay Classic
- June 16: Membership Meeting

Surface Profile Chips for Sale!

Did you know that the NTX Chapter sells ICRI Surface Profile Chips (CSP 1-10)? Let us know before a meeting and we can deliver them to you there! Your purchase supports the NTX Chapter. For more information, contact Pete Haveron at peteh@texconrest.com.



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Innovative Engineering Schools NTX on Fall Protection Standards

On February 17, 2022, the North Texas Chapter held a virtual membership meeting at which James T. Boatright, III, PE, and Scott Weiland, PE, SE, of Innovative Engineering presented to the chapter. The topic of the presentation was fall protection regulations and standards. Given that fall-related deaths are the number one cause of death on-the-job (outside of transportation-related deaths), the topic was of particular interest to those in the concrete repair industry, where work is frequently performed from heights. Messrs. Boatright and Weiland overviewed the 2016 OSHA General Industry ruling for low slope roofs, rope descent systems, and ladders to help the chapter understand the nuances of the regulations, which are often difficult to interpret. The presentation also provided a helpful refresher of many other OSHA provisions related to fall protection. The North Texas Chapter thanks Innovative Engineering for the excellent presentation, and looks forward to meeting in person in April!





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Concrete Surface Repair Technician (CSRT) Program



A Self-Guided Training Program
Focused On Concrete Surface Repair

*"The ICRI CSRT program has assembled a vast amount of information...
an individual can learn best practices that typically
take five to ten years to accumulate.
Whether you are new to concrete repair or experienced...
this program has something for everyone."*

NTX Scholarship

Now Accepting Applications for 2022 NTX Chapter Scholarships

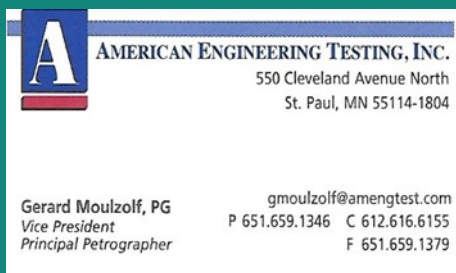
The North Texas Chapter is very proud to offer scholarships to high school seniors, trade school students, and college undergraduates to encourage their awareness of and participation in the concrete repair industry. The scholarships have been made possible in large part due to the Chapter's annual fundraisers, the Sporting Clay Classic and the Jesse Points Memorial Golf Classic. Registration for 2022 scholarships is now open.

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

Amount: A total of at least \$1,000 will be awarded for tuition, fees, and books. Multiple scholarships may be awarded.

How to apply: Complete the attached application. A cover letter, transcripts, and tests scores are required to be submitted.

Deadline: Friday, April 22, 2022.



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News From ICRI

2022 ICRI Spring Convention—Baltimore, MD

"Weather—Its Impact on Concrete and Construction" - We hope you know that you no longer need to attend ICRI Conventions to participate in ICRI's Technical and Administrative Committees. Following the successes from last Fall's convention, once again this Spring all Technical and Administrative Committee meetings (except Fellows and Nominations) will be available to attend virtually by any ICRI member, even if you are not registered for the in-person convention! All Committees are in need of volunteers to lend their expertise as consulting and voting members, especially those of you in construction. Everyone has unique experiences, knowledge and expertise that would be of value to any of our Committees. We invite you to peruse the lists that are included in the Committees portion of the ICRI website to see what each Committee is working on, and select a few Committees that you find of interest. Then during the convention, just head to the convention section of the ICRI website to find links to each Committee meeting. Let your voice be heard!!

When: Monday - Wednesday, April 4-6, 2022

Where: Baltimore Marriott Waterfront
700 Aliceanna Street
Baltimore, Maryland 21202

Register Now!

CHECK THE [ICRI WEBSITE](#) FOR MORE INFORMATION





North Texas Chapter

President	Abhishek Aggarwal	aaggarwal@walterpmoore.com	214-740-6257
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At-Large Director	Juan Arredondo	juarredondo@mapei.com	817-360-4919
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Get Surface Repair Certified!

Why should my company have ICRI-certified Concrete Surface Repair

The ACI 562-19 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 562-19 is becoming more widely recognized. Plus, better quality control and quality assurance start with better training!

INTERNATIONAL CONCRETE REPAIR INSTITUTE

For more information, visit the certification program's website

WWW.ICRI.ORG/PAGE/CERT_TECHPROGRAM

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 [Steve Grelle \(sgrelle@wje.com\)](mailto:Steve.Grelle@wje.com).

Did your business card not make the newsletter? Don't worry. We can include you in future issues of the newsletter. Please contact [Parker Mink \(pmink@wje.com\)](mailto:Parker.Mink@wje.com) for information. Don't delay as our newsletter ads operate on a calendar year.



International Concrete Repair Institute North Texas (NTX) Chapter Scholarship Application & Guidelines, 2022

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
jmb@armstrong-douglass.com
469-782-9753

Please submit applications via email. Our office is moving in the middle of the application period and I don't want applications lost in the process.

Due Date: Friday, April 22, 2022

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 eligible to apply regardless of membership in ICRI.

Decision: Award recipient(s) will be notified via letter on or about May 13, 2022. An announcement of the award recipient(s) will be made during an ICRI NTX Chapter meeting.

Award: Funding will be awarded by July 1, 2022 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 has 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.

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, 2022**

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, 2022**

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):

(use additional
sheets if necessary)

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.