



NORTH TEXAS CHAPTER

The Concrete Connection

A publication of the North Texas Chapter ICRI

THE CONCRETE CONNECTION

MARCH 2021

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April Membership Meeting and Presentation

Floor Joints and Floor Sealers by Vance Pool, Euclid Chemical

Vance has been involved with the construction industry in some form or another since summer high school work finishing concrete and framing houses. He graduated with a degree in architecture from Georgia Tech and has held numerous technical positions in loca-



tions across the US. Vance has been employed by leading cement, ready mix, admixture, fiber and building materials companies as well as the National Ready Mixed Concrete Association. He has spoken on numerous topics related to concrete, building materials and the construction industry in five countries and many states in his three plus decades of industry experience.

Vance joined the Euclid Chemical Team in 2019 where his experience with concrete, field practices, civil and structural engineering are a resource to engineers, architects and owners in Texas, Oklahoma, Arkansas, Mississippi and Louisiana.

Date: Thursday, April 15, 2021

Time: 12:00 PM CDT

Location: Online/Virtual

Member Registration Fee: FREE!

Non-Member Registration Fee: \$15 each - join ICRI today for discounts!

[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 addition to your national membership dues.



Eddie De Haro

PRESIDENT'S MESSAGE

Hello again, hope everyone and their families are doing well. Our ICRI North Texas Chapter is off to a great start as we held our first membership meeting February 18 and our technical presenter was Scott DiStefano of Sika. His presentation on epoxy and urethane injections provided a great comprehensive review of the repair materials and techniques used to repair cracks and joints in the concrete structures. Our goal is to provide our ICRI members with increased knowledge and experience that brings increase value in the concrete repair industry. On behalf of our ICRI North Texas Chapter, we would like to thank Scott DiStefano for the great presentation and all the members and non-members who attended. Keep a look out for our next technical presentation in April for concrete joint repair.

As we continue to meet our chapter goals, we are still looking for volunteers for committee members to support our

events and board members. Our upcoming first outdoor event for the year is ICRI NTX 7th Annual Sporting Clay Classic scheduled for Friday May 14th at the Dallas Gun Club. Mark your calendars as more details to come for registration. We encourage you to start getting your teams together

As always our chapter board and committee members are always working hard to meet our annual goals and we would like to hear from all of you on any suggestions and ideas you may have to participate in the continued success of the chapter. Thank you and stay safe everyone.

Sincerely,

Eddie De Haro

2021 ICRI NTX Chapter President

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FUTURE PROGRAMS & EVENTS

SAVE THE DATE!

7TH ANNUAL SPORTING CLAY CLASSIC

NEW DATE: FRIDAY, MAY 14



STAY TUNED FOR MORE INFORMATION!

CALENDAR

				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	31

- April 15: Membership Meeting
- April 21-22: ICRI National Convention
- May 7: Board Meeting
- May 14: Sporting Clay Classic
- May 20: Board Meeting
- June 17: 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.



EDDIE DE HARO

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NTX SCHOOLED ON EPOXY/URETHANE INJECTION

In a virtual meeting held on February 18th, the North Texas Chapter went to school on the two differing types of injection used on concrete structures. Scott DiStefano from Sika Corporation presented a comprehensive review of the repair materials and techniques used to repair cracks and joints in concrete structures.

Two-component epoxies conforming to ASTM C881, Types IV or V, which can be injected under pressure or gravity fed into wider cracks, are bonding adhesives that are used to “glue” the cracked concrete back together in structural applications. They are heat-generating, thermosetting resins that are very rigid when cured. Various epoxy resins have differing viscosities. Very low viscosity resins are used to repair tight cracks, while higher viscosity resins can be injected or gravity fed into wider cracks. Scott described the different inject ports that can be used, along with installation techniques for surface preparation, and spacing of the injection ports. Plural component injection pumps are used on larger jobs, while manufacturers provide dual cartridge material that utilize static mix heads to blend the two components together just prior to injection into the crack. For gravity fed applications, the use of concrete dust from the surface preparation operation can be added to the top of the epoxy to help hide the crack. Super-low viscosity resins can also be used in “flood-coat” application where the cracks are too numerous to inject individually.

Leaking cracks that are non-structural are most often sealed using chemical grouts based upon polyurethane chemistry. Scott described the differences between hydrophobic and hydrophilic polyurethanes, and the typical ports and pumps used to install the material. Installation techniques were presented, including drilling holes at a 45-degree angle on each side of the crack to intersect the crack at the mid-depth of the concrete structure, and the use of soaked oakum rope or open-cell backer to pack into the face of wide

NTX CHAPTER SCHOLARSHIP

The application period for NTX Chapter Scholarships is now open! High school seniors and college undergraduates that are pursuing a certificate or a degree from a college, university, or trade school are eligible. Scholarships up to \$1,000 for tuition, fees, and books are available!

Please see the application attached at the end of the newsletter for more information.
Applications are due on Friday, April 23, 2021!



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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."
Jacob Borgerson, CSRT-Grade 1, Wiss, Janney, Elstner Associates, Inc.*

NEWS FROM ICRI

ICRI 5-PART WEBINAR SERIES CONTINUES: Moisture in Concrete Floor Slabs – Friend or Foe?

Have you been participating in ICRI’s most recent webinar series? If not, you’ve been missing out! ICRI has scheduled a 5-part webinar series to explore the issues of moisture-related issues with floor coverings placed on concrete slabs. Industry experts will cover the sources of moisture in concrete, the effect moisture has on slab behavior and the installation of flooring materials, the test methods used to properly assess slab moisture condition, moisture mitigation strategies, and more.

The series presentations are as follows:

Part 1—available on demand: “Where Does Moisture in Floor Slabs Come From?” by Peter Craig, FICRI, FACI, CCSMTT

Part 2—available on demand: “The Role Concrete Plays in Floor Slab Moisture” by Scott Tarr, PE, FACI, CCSMTT

Part 3—Wednesday, April 14th, 1 – 2 PM CDT: “Floor Slab Moisture Testing Methods” by David Paal, CCSMTT, CCHSFI, CWFII

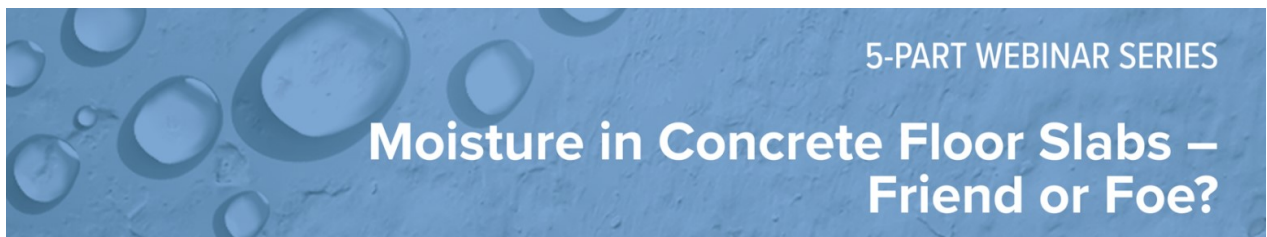
Part 4—Wednesday, May 12th, 1 – 2 PM CDT: “Floor Slab Moisture Mitigation” by Peter Craig, FICRI, FACI, CCSMTT

Part 5—Wednesday, June 2nd, 1 – 2 PM CDT: “Moisture in Concrete Floor Slabs: Panel Discussion and Q & A Session” with Peter Craig, Scott Tarr, David Paal, and Adam Bakeman, CCSMTT, CCSRT, CIP Level 2

ICRI Members can sign up for individual sessions for \$25 each, or for the entire series for only \$75. Non-member prices are \$40 per session or \$120 for the entire series.

ICRI will provide a special “Moisture in Concrete Floor Slabs” certificate to individuals who attend all 5 webinars, as well as a certificate program digital badge that can be shared on social networks, email signatures, etc. Certificate program individuals will also be offered a 10% discount on ICRI's Concrete Slab Moisture Testing (CSMT) Certification Program components.

Registration is open on the ICRI website: www.icri.org.



MARK LEMAY, AIA, LEED AP
PRINCIPAL
2020 ICRI PRESIDENT



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NEWS FROM ICRI



NEW TRENDS AND TECHNOLOGIES IN CONCRETE REPAIR

2021 ICRI Virtual Spring Convention

April 21-22, 2021

ICRI is excited to host its Virtual Spring Convention where, over the span of two days, you will experience the best education and networking available to the concrete repair and restoration industry. Each day of convention will consist of technical presentations, product demonstrations, awards and peer recognition, and new insights on the state of the industry. For the first time, ICRI is offering a two-track program, giving participants even more content options. All content will be recorded and available on-demand through ICRI's Learning Center after the event.

When: Wednesday & Thursday, April 21-22, 2021

Where: Virtual

Rates: Early Bird (Ends April 7) - \$59/Member, \$199/Non-Member
Regular (After April 7) - \$99/Member, \$299/Non-Member

Register: <https://www.icri.org/page/convention-central-spring-2021>

ICRI VIRTUAL SPRING CONVENTION AND ONLINE EDUCATIONAL WEBINAR OPPORTUNITIES

Share your knowledge and experience with your concrete repair industry colleagues!





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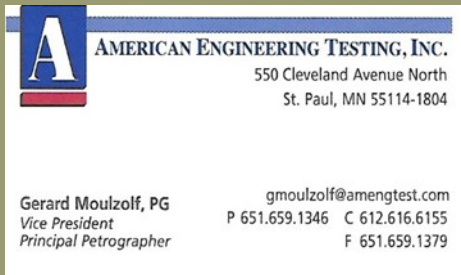
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GET SURFACE REPAIR CERTIFIED!

Gain fundamental education or become certified as a concrete surface repair technician through ICRI's online Concrete Surface Repair Technician Program (CSRT). Whether you are new to concrete repair or experienced, this program has something for you!

The Concrete Surface Repair Technician (CSRT) program was developed in response to industry demand and code language. ACI 562-19, "Code Requirements for Assessment, Repair, and Rehabilitation of Existing Concrete Structures," outlines repair inspector qualifications for the inspection of concrete repairs and designates ICRI Concrete Surface Repair

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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 [Steve Grelle \(sgrelle@wje.com\)](mailto:Steve.Grelle@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, 2021

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 23, 2021

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 14, 2021. An announcement of the award recipient(s) will be made during an ICRI NTX Chapter meeting.

Award: Funding will be awarded by July 1, 2021 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, 2021**

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, 2021**

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.