

#### **NORTH TEXAS CHAPTER**

## The Concrete Connection

### A publication of the North Texas Chapter ICRI

THE CONCRETE CONNECTION

FEBRUARY 2020

#### **INSIDE THIS ISSUE:**

President's 2 Message

**Future Events** 3 and Programs

**NTX Chapter Scholarships** 

**NTX September Meeting Recap** 

**NTX Happy** 5 Hours

Fall 2019 5 Convention **Delegate Report** 

Spring 2020 **Convention Info** 

**Board Member Contact Info** 

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



#### Robert Milton

Industrial / Commercial / Infrastructure Cell: 214-385-8467 Inside Sales Direct: 800-333-1800 rmilton@strongtie.com

#### Simpson Strong-Tie Company Inc.

2221 Country Lane McKinney, TX 75069 Toll Free:800-999-5099 Fax: 972-542-5379



RESTORATION Co., INC.

5125 NE Parkway Fort Worth, Texas 76106 **Brad Boyd** nator/Project Manager

800-906-0610 Office: 817-498-7277 Fax: 817-656-4764 Cell: 817-819-2421 brad boyd@midcontinental.com



Coatings & Linings "Established in 1973"

FT. WORTH DALLAS METRO (817) 921-1444 (817) 429-5889 HOUSTON FAX METRO (713) 973-1033 (817) 429-7300 832 SOUTHWAY CIRCLE FORT WORTH, TEXAS 76115-4008

Dallas, TX 75229

ALPHA TESTING 2209 Wisconsin Street

Jeffrey G. Wilt, PG Executive Principal iwilt@alphatesting.com

Phone: 972.620.8911 Mobile: 214.755.6482 Website: www.alphatesting.com

Dallas - Fort Worth - Houston - San Antonio



Clay Broyles Sales Representative N. TX & Oklahoma

The Euclid Chemical Company 1835 Upper Montague Road Bowie, TX 76230

cbroyles@euclidchemical.com Cell: 318.471.1131 Fax: 855.382.5436

www.euclidchemical.com

ISO 9001 Certified UL File #A3129



Julie Bolding PE Project Manage

6060 N. Central Expressway, Suite 800 Dallas, Texas 75206 214.237.7022 X 217 jmb@armstrong-douglass.com www.armstrong-douglass.com

**JOIN ICR!** 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.

### PRESIDENT'S MESSAGE

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 <u>President</u> 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 Byle

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!

# 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

# ICRI NORTH TEXAS CHAPTER SCHOLARSHIP

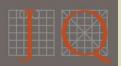
The North Texas Chapter is offering scholarships to our members, their families, and others in the community. Multiple scholarships of at least \$1,000 will be awarded to applicants in 2020 to be used during the fall 2020 semester. High school seniors and college undergraduate students, who are pursuing 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.



MARK LEMAY, AIA, LEED AP PRINCIPAL 2020 ICRI PRESIDENT



MLEMAY@JQENG.COM 817.546.7200 OFFICE 817.505.4304 DIRECT 214.549.7966 CELL

1301 WEST 7TH STREET
SUITE 141
FORT WORTH, TEXAS 76102
JQENG.COM

# ICRI North Texas Chapter Knows FRMC

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 thinwalled, 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.



Chad Eades fields questions on FRMC



NTX Chapter President, Stephen Grelle, PE (left) thanks presenters Keith Bohren (center) and Chad Eades (right)

# ICRI NORTH TEXAS CHAPTER HAPPY HOURS

Is your company interested in hosting a happy hour for NTX Chapter members and prospective members? Let us know! Recent attendance has been over 40 people—great exposure for your company.

Please contact Ben Koehler (koehler.ben@us.sika.com) if you are interested!

#### 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)

#### (continued from Page 5)

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!

#### 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 <a href="mailto:peteh@texconrest.com">peteh@texconrest.com</a>.



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

Have <u>industry news</u> to share? Recent promotion? Industry recognition? We want to hear about it! <u>Email AAggarwal@walterpmoore.com</u> for inclusion in the next issue.









#### **NEWS FROM ICRI**

#### 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 Parg 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.











# NORTH TEXAS CHAPTER 2020 BOARD MEMBERS

President
President-Elect
Vice President
Treasurer
Secretary

1 year Director 2 year Director 3 year Director Immediate Past President Clay Broyles Eddie De Haro Abhishek Aggarwal Pete Haveron Jon Carrier

Ben Koehler Casey Jones Shane Mullinix Stephen Grelle cbroyles@euclidchemical.com eddie.deharo@basf.com aaggarwal@walterpmoore.com peteh@texconrest.com jon\_carrier@midcontinental.com

koehler.ben@us.sika.com casey.jones@terracon.com smullinix@kryton.com sgrelle@wje.com 318-471-1131 661-717-4303 214-740-6257 972-291-8254 817-498-7277

> 972-896-3744 214-666-4627 512-818-7778 972-550-7777



AMERICAN ENGINEERING TESTING, INC.

550 Cleveland Avenue North St. Paul, MN 55114-1804

Gerard Moulzolf, PG Vice President Principal Petrographer gmoulzolf@amengtest.com P 651.659.1346 C 612.616.6155 F 651.659.1379



MRYTON SMART CONCRETE® Kryton International Inc.

#### Shane Mullinix Territory Manager

Territory Manager Central USA smullinix@kryton.com Mobile: 1.512.818.7778

Head Office - Vancouver, BC, Canada 1.800.267.8280 1.604.324.8280 info@kryton.com www.kryton.com





Office: 972.557.1100
Fabianm@gibsonconcrete.net | www.gibsonconcrete.net

#### **GET SURFACE REPAIR CERTIFIED!**

Why should my company have ICRIcertified 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!



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 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 (ion\_carrier@midcontinental.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, 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: 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: To: ICRI North Texas Chapter

Completed application form Julie Bolding, Scholarship Committee Chair

Cover Letter 1700 Alma Drive, Suite 250

Transcripts<sup>2</sup> Plano, TX 75075 214-237-7022 x 2003

Test scores<sup>3</sup> <u>jmb@armstrong-douglass.com</u>

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.

1/21/2020 1

<sup>&</sup>lt;sup>1</sup> 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.

<sup>&</sup>lt;sup>2</sup> Applies to high school senior and college undergraduate applicants, unofficial transcripts are acceptable

<sup>&</sup>lt;sup>3</sup> 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)					
		(a)		(6: )	(7in)		
		(City)	E Mail:	(State)	(Zip)		
	Phone:	<del></del>	E-IVIAII.				
	Permanent Address:						
		(Street)					
		(City)		(State)	(Zip)		
	Dhana						
	Phone:						
-1							
Education:	College, university, or trade school you are attending or plan to attend:						
	Major Field of Study:						
	Full-time:		паче	you been acce	:pteur		
	Work experience in the Concrete or Construction Industry:						
Award Info:	Remit to:			Student ID:			
	Department name an	d address where so	holarship ch	neck 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

1/21/2020 2

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?	wnen?
	If you are working, how long have you worked in a field assoc >10 years 5 to 9 years <5 y	iated with ICRI? years
	If you are a high school senior, what high school do you attend	d?
Supplemental: use additional heets if necessary)	List your community, civic, or professional organization affilian	
	List your extracurricular activities and interests:	
Cover Letter:	In addition to transcripts and test scores (for high school senion 2 page cover letter with your application. The cover letter show interests and goals, strongest personal characteristics, and who current course of study. Steps you envision taking to achieve statement about how the receipt of this scholarship could assemble interest to the Committee.	ould focus on your career ny you have selected your your goals as well as a
	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.

1/21/2020 3

#### **NORTH TEXAS ICRI** 2020

#### **IMPORTANT DATES**

#### **JANUARY**

**MARCH** 

S	M	Т	W	Т	F	S
			1	2	3	4
5	•	7	_	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	<b>淡</b>	31	

#### **FEBRUARY**

S	IVI	Т	W	Т	F	S
						1
2	<b>1</b> 37	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

S	M	Т	W	Т	F	S
	2					
8	9	10	11	12	13	14
	16					
22	23	24	25	26	27	28
29	30	31				

#### **APRIL**

S	M	Т	W	Т	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		

#### MAY

S	M	Т	W	Т	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
31						

#### JUNE

S	IVI	Т	W	Т	F	S
	1	2	3	4	5	6
7	1 8 15	9	10	11	THE STATE OF THE S	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

#### JULY

S	M	Т	W	Т	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	31	

#### **AUGUST**

S	M	Т	W	Т	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	31					

#### **SEPTEMBER**

S	M	Т	W	Т	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	20	20	20			

#### **OCTOBER**

S	M	Т	W	Т	Ā	S
				1	\ \ \}_2\	3
4	5	6	7	8	<b>9</b>	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

#### **NOVEMBER**

S	M	Т	W	Т	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					

#### DECEMBED

DECEIVIBER										
S	M	Т	W	Т	F	S				
					4					
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						

#### JANUARY 17

BOARD MEETING

#### JANUARY 30

NTX SOCIAIL HOUR

#### FEBRUARY 3

ICRI KICKOFF PARTY

#### FEBRUARY 3-7

WORLD OF CONCRETE

#### FEBRUARY 13

MEMBERSHIP MEETING

#### MARCH 13

BOARD MEETING

#### MARCH 23-25

ICRI SPRING CONVENTION VANCOUVER. BRITISH COLUMBIA

#### APRIL TBD

JOINT MTG. W/ UTA ASCE

#### MAY 8

BOARD MEETING

#### JUNE 12

MEMBERSHIP MEETING AND CLAY SHOOT

#### AUGUST 7

**BOARD MEETING** 

#### SEPTEMBER 10

MEMBERSHIP MEETING

#### OCTOBER 2

GOLF TOURNAMENT

#### NEWSLETTER DEADLINES

WEEK AFTER BOARD MEETING

#### OCTOBER 5-7

ICRI FALL CONVENTION MINNEAPOLIS, MN

#### OCTOBER 9

BOARD MEETING

#### NOVEMBER 5

MEMBERSHIP MEETING

#### DECEMBER 11

BOARD MEETING

#### LEGEND











18

NEWSLETTER DEADLINES