



■ Winter Meeting ■ Jan. 27th, 2017 ■ Gateway Conference Center ■ Ames, Iowa ■

Destination: Ames

I've never been much for winter in Iowa, but with how busy the past year has been, I'd be lying if I didn't admit there's a part of me that's happy flurries are falling and the sub-zero wind chills have arrived. Earlier this year Dodge Analytics predicted 2016 non-residential construction spending would eclipse recent records from the early 2000's. While the final numbers aren't officially in, the trend for most of the year has been pointing towards strong growth in non-residential construction. As professionals, staying current on the standards, project requirements, building trends, installation practices, and the needs of our customers are what separate us from our peers and competitors.

In January the Iowa Roofing Contractors Association is partnering

with The Iowa Chapter of the Roof Consultants Institute to host an annual educational conference. This year's lineup features four industry experts who will be presenting on topics both specialized to Roofing and Waterproofing trades, but also to anyone who is involved in design, testing, and construction as a whole. So if your job is to turn ideas into plans, plans into reality, or to make sure that reality works the way it's supposed to, The Gateway Conference Center in Ames, Iowa is where you want to be on January 27th.

The Hallmark of the IRCA Winter Program has always been to provide first class training and hands-on education for the applicators in the field who are responsible for the day to day installation and application of roofing systems. This year



The Midwest Roofing Contractors Association will be holding their Certified Torch Applicator Program (CERTA). So if you can't remember the last time your guys we're properly trained on correct torch usage, or if it's just time for your annual renewal, this is a fantastic opportunity to have your crews up to date and ready to go when the snow melts and we're right back at it again! *Please register in advance for this class.*

CERTA sets a Standard for Training

In 1986, the Midwest Roofing Contractors Association (MRCA), in conjunction with the Asphalt Roofing Manufacturers

Association and the United Union of Roofers, Waterproofers and Allied Workers, developed a curriculum for training roofing

workers in the safe application or torch-applied roof systems. This program was named the Certified

Roofing Torch Applicator program, or CERTA.

In 2003, the insurance industry approached NRCA to address concerns about increasing incidents and losses occurring during

torching activities by roofing contractors. NRCA recognized two things: Torching activities were, and will continue to be, a part

of the roofing industry; and roofing workers traditionally have learned many skills, including torch use, through on-the-job techniques.

This training method was not adequately addressing the safety concerns, and the need for focused training for safe torch

use became apparent. NRCA adopted and revised the CERTA program to meet this need.

2017 Winter Meeting

- > CERTA—Certified Roofing Torch Applicator Program
- Presented by The MRCA
- > DOE Sponsored Research Update on Cool Roofing
- Andre Desjarlais, Oak Ridge National Laboratory
- > International Leak Detection
- > Wind Modeling and Changes to ASCE-7
- Thomas Lee Smith TLSmith Consulting Group
- > Building Codes & Changes
- Dave Ruffcorn

Contents:

Program Itinerary	2
Speaker Profiles	3
IRCA News	4
RCI News	4
CERTA Training	5
CERTA Registration	5
Pre-Registration	6



Program Itinerary

Thursday Evening – January 26th, 2017

4:00 - 7:00	Hospitality: The Iowa Stater Restaurant
5:30 - 7:00	Board Meeting
7:00	Dinner: The Iowa Stater Restaurant

Friday – January 27, 2017

Location: Central Prairie Programming

7:30 – 9:00	Registration: Central Prairie Room
8:00 – 8:30	IRCA/RCI Member Meeting
8:30 – 9:00	TABLE TOPS: Gallery Lobby
9:00 – 11:00	Andre Desjarlais— Oakridge Laboratory
11:10 – Noon	Chris Eichron—International Leak Detection
Noon – 1:00	LUNCH-North Prairie
Noon – 1:00	TABLE TOPS Gallery Lobby
1:00 – 2:00	Thomas Lee Smith— ASCE 7
2:00 – 3:00	David Ruffcorn
*Up to 5 CEUS available, contact RCI –Iowa for details	

Location: South Prairie Programming/Outdoor

8:00 – 11:30	Certified Roofing Torch Applicator Training (CERTA) * See Website for Details & Requirements
12:30 – 4:00	Certified Roofing Torch Applicator Training (CERTA)

The
educational
programming
and lectures
each qualify
for AIA and
RCI Continuing
Education
Credits /
Learning
Units.





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International Leak Detection Company & Employee Biography

Matthew Durrett, RRO - National Sales Manager: Matthew has been actively involved in the construction industry since 2001. Starting his career at an engineering firm, he gained extensive knowledge of small to large scale construction projects in both the commercial and industrial sector. During this time period, Matthew was able to develop a great understanding of both roofing and waterproofing systems and later set sights on employment with a waterproofing and restoration services contractor which furthered his interest and involvement in the industry.

In 2008, as an acting Project Manager, Matthew was introduced to International Leak Detection (ILD®) and EFVM® on various projects he was managing.

Matthew joined the ILD® team in 2010 as an Account Manager where his focused was on development of customer relations and educating the industry of the valuable services provided by ILD®. Due to his outstanding reputation within the industry and successful project development, he was promoted to National Sales Manager for the U.S. ILD® Sales Team in 2013.

Matthew continues to expand his knowledge and involvement within the industry through memberships with SWRI (Sealant, Waterproofing and Restoration Institute and RCI (Roof Consultants Institute, and Local Mid-South Chapter).

International Leak Detection (ILD), LLC: Founded in 2001, ILD introduced North America to Electric Field Vector Mapping (EFVM®), which revolutionary technology is used in locating breaches in roofing and waterproofing systems. EFVM® is utilized as an integrity test for newly installed systems as it has been proven to be superior to the traditional flood test. As a troubleshooting tool, EFVM® can detect leaks in membranes through most types of overburden with pinpoint accuracy and nondestructive results.

www.leak-detection.com

United States – Boston, Louisville, New Jersey, Portland, Salt Lake City, San Bruno

Australia, Austria, Bahrain, Brazil, Canada, Denmark, Dubai, Germany, Great Britain, India, Italy, Kuwait, New Zealand, Oman, Poland, Qatar, Russia, Saudi Arabia, Switzerland, United Arab Emirates

Dave Ruffcorn

Owner, David Ruffcorn Architect

Summary

22 years of experience with all facets of Architecture. Iowa licensed since 1993.

Specialties: Restaurants and Bars

Past Projects Include - BangBang Mongolian Grill - Maryland

Boss Hawgs BBQ, Legends 60th & Ashworth, Waterfront Seafood Ankeny, Mickeys Downtown Patio, Destination Lounge,

Expert knowledge of Energy Codes for both residential and commercial project. Department of Energy training with COMcheck and REScheck. Department of Energy certifications in energy conservation and building science.

Experience

Owner

David Ruffcorn Architect

August 2009 - Present

Design Energy Engineer

Iowa State Fire Marshal's Office - Building Code Bureau

November 2010 - Present Des Moines, Iowa

I'm the State's expert in the International Energy Conservation Code 2012 and ASHRAE 90.1 2010.

I also review all sustainable or green building submittals for state tax credits and submittals for Life Cycle Cost Analysis for state projects.

Project Architect

Baldwin White Architects

March 2008 - August 2009 (1 year 6 months) 3939 Grand Ave, Des Moines, Iowa

André Desjarlais, Oak Ridge National Laboratory

André Desjarlais is the Program Manager for the Building Envelope Systems Research Program at the Oak Ridge National Laboratory. He has been involved in building envelope and materials research for over 40 years, first as a consultant and, for the last 25 years, at ORNL. Areas of expertise include building envelope and material energy efficiency, moisture control, and durability. Desjarlais has been a Member of American Society for Testing and Materials (ASTM) since 1987 and serves on Committees C16 on Thermal Insulation and D08 on Roofing. He is the past Chairman of ASTM Committee C16 and was awarded the title of Fellow in 2011. He has served as the chairman of ASTM's committee on Technical Committee Operations (COTCO). He has been a member of ASHRAE since 1991 and serves on Technical Committees TC 4.4 on Thermal Insulation and Building Systems, TC 1.8 on Mechanical Insulation Systems, and TC 1.12 on Moisture Control in Buildings, and is past Chairman of TC 4.4. André is also a founding director of the RCI Foundation.

Thomas Lee Smith, AIA, RRC, F.SEI

President of TlSmith Consulting Inc.

Specializes in forensic architecture and architectural technology and research, with an emphasis on roof systems and wind performance of buildings. Mr. Smith has over 40 years of experience in roofing, construction and architecture.

Experience

President

TlSmith Consulting Inc.

May 1998 – Present (18 years 9 months)

Research Director

National Roofing Contractors Association

November 1988 – May 1998

Owner

Sidon Managment Services (roof consulting)

February 1986 – October 1988 (2 years 9 months) Anchorage, AK

Associate

Mavnard and Partch Architects

June 1976 – February 1986 (9 years 9 months) Anchorage, AK

Architectural Intern

Page, Cloudsley and Baleix Architects

June 1972 – June 1976 (4 years 1 month) San Francisco, CA

What is CERTA?

Established in 1986 by the Midwest Roofing Contractors Association in conjunction with several Industry Affiliated Organizations, The Certified Roofing Torch Applicator Program or CERTA has grown to be recognized as the industry's premier training program for safe and proper torch work.

Since widespread implementation of the CERTA program in 2004, Roofing torch-related fire incidents have decreased significantly. For example, in 2002, one major insurance company paid 35 roofing torch-related fire losses of more than \$1,000 and 11 of more than \$500,000. In 2005, after only one year of the new NRCA/MRCA CERTA program implementation, the same insurance company paid 13 losses of more than \$1,000, including only two of more than \$500,000. The NRCA/MRCA CERTA program had made a significant effect on the safe use of roofing torches throughout the roofing industry.

CERTA is a comprehensive program that incorporates both classroom, demonstrations, and

hands on skills training under the direct supervision of a CERTA Trainer. Upon completion of the Training Program, a written test containing 25 multiple choice and True / False questions is administered. Those with a passing score will receive personal-

cation is most likely no longer valid. Visit www.nrca.net/roofing/CERTA-applicator-renewal-322 for more information on the CERTA renewal process.



The CERTA training program is ideal for contractors whose work involves torch applications. The full-day program trains experienced roof system installers on the safe use of roofing torches used to apply polymer-modified bitumen roofing products. CERTA training shows how proper roof system configuration design and application techniques can result in fire-safe installations.

ized CERTA ID cards, which will be mailed to the participants within a few weeks.

It is important to note: the CERTA Certification applies to only to the applicator, not to the company the applicator is employed by. Additionally, certifications are only valid for 3 years, and renewals are required in order to maintain certification. If it has been more than 3 years since you have last renewed your CERTA Certification, your certifi-



Certification Schedule

Event	Time
Program Introduction	35 minutes
Section 1: General Requirements	30 minutes
Section 2: Pre-job Planning and Preparation	30 minutes
Section 3: Propane Tool and Equipment Safety	45 minutes
Section 4: Application Safety	90 minutes
Section 5: Post-job Requirements and Duties	30 minutes
Hands-on Training	180 minutes (3 hours)
Final Exam and Review	40 minutes
Total	480 minutes (8 hours)



Certified Roofing Torch Applicator Program

REGISTRATION

Name: _____

Company: _____

Company Address: _____

Phone Number: _____

Email: _____

☐ New Certification / Re-Certification

☐ Renewal

Online Registration and all Payments may be made online at:

www.iowarooftingcontractors.com/

Costs are \$200^{.00} per applicator

Name: _____

Company: _____

Company Address: _____

Phone Number: _____

Email: _____

☐ New Certification / Re-Certification

☐ Renewal

Online Registration and all Payments may be made online at:

www.iowarooftingcontractors.com/

PLEASE REVIEW THE EQUIPMENT / MATERIAL AND SAFETY REQUIREMENTS ONLINE PRIOR TO ATTENDING THE TRAINING.



NRCA

National Roofing Contractors Association
10255 W. Higgins Road, Suite 600
Rosemont, IL 60018-5607
(847) 299-9070
Fax: (847) 299-1183
Email: nrca@nrca.net
www.nrca.net



Midwest Roofing Contractors Association
2077 Embury Park Road
Dayton, OH 45414
Toll Free: (800) 497-6722
Fax: (937) 278-0317
Email: info@mrca.org
www.mrca.org

The Iowa Roofing Contractors Association is dedicated to the betterment and education of the roofing industry. Our organization has been in existence for nearly 50 years and continues to provide high level education to the industry. Membership includes residential and commercial contractors as well as manufacturer's representatives, wholesalers and other industry professionals.

Interested in becoming a member? Please contact us for more information.

**Iowa Roofing Contractors
Association**



IRCA
Justin Sullivan, Ex. Secretary
6605 New York Circle
Des Moines, IA 50322..
Phone: 515-635-5294
Fax: 515-278-1633
E-mail:
info@iowarofingcontractors.co