



National Fireproofing  
Contractors Association

# WEEK OF LEARNING

**APRIL | TEMPE**  
**18-22, 2022 | ARIZONA**

[www.nfca-online.org](http://www.nfca-online.org)

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## A Message from NFCA's President, Carl Fernald

Welcome to the 2022 NFCA Annual Conference/  
Week of Learning!

A big thanks to NFCA's leadership for their commitment to advocating for the fireproofing industry and a healthy NFCA – throughout the challenging times we've had during the pandemic.

Since we last met in New Orleans, NFCA has worked on behalf of the membership, fire and life safety, at the International Code Council code development hearings for the International Building Code's Structural and Administrative sections. Just after this conference, we're off to ASTM E605 and E736 standards development meetings. This summer are NFPA 101 and 5000 code virtual meetings. In addition to codes and standards, we continue to provide quality education and exams for prospective DRI's and Inspectors – all who want to prove competence in fireproofing – both virtual and in person.

NFCA's FREE Webinars are gaining specifier and code official attendees, who are now learning about full scale fire testing for horizontal assemblies, with loads applied and much more. They are also learning differences between fire-resistance and reaction to fire, and how to tell if a submission meets code requirements.

As you can see, a lot is going on at NFCA.

Please welcome our new members to the association – they will have NEW MEMBER tags – and easily identified. Since 2021, we have 23 NEW contractors, suppliers and associates who have become NFCA members.

Also, take this opportunity to network among your peers, maybe setting a goal to meet at least 3 (or more) new people. Chat with the Committee Chairs to see how you can get involved. This association is based on friendships, sharing fireproofing knowledge, giving back to the industry, and the drive to not only help oneself, but others too...

A special thank you goes to NFCA's Conference Sponsors. Their continued support means NFCA can continue to do what it does best, bring the fireproofing industry together – and reach out to those that need to know about Fireproofing.

Enjoy your NFCA Week of Learning and thank you again for joining us.



## **NFCA NEEDS YOU to step up and join a committee!**

It's important to have a variety of companies/individuals on NFCA's Committees! Why? It's how we gain industry consensus on various issues affecting fire and life safety disciplines and provide opportunities for growth.

Please consider one or more of the following Committees. Contact the Committee Chair or [kriston@nfca-online.org](mailto:kriston@nfca-online.org) for additional information or to Join the Committee. With two recent retirements, we are looking for great talent – YOU. Detailed descriptions can be found at [www.nfca-online.org/committees](http://www.nfca-online.org/committees).

### **Accreditation Committee**

John Taglienti, Co-Chairman - [JVTaglienti@eastcoastfp.com](mailto:JVTaglienti@eastcoastfp.com)

Jonathan Wohl, Co-Chairman - [Jonathan@wohline.com](mailto:Jonathan@wohline.com)

### **Canada Committee**

Nikita Gordon, Chairman - [Nikita@Gunnlaugson.com](mailto:Nikita@Gunnlaugson.com)

### **Manufacturer Supplier Committee**

Ernst Toussant, Chairman - [Ernst.toussaint@hilti.com](mailto:Ernst.toussaint@hilti.com)

John Dalton, Co-Chairman - [john.a.dalton@gcpat.com](mailto:john.a.dalton@gcpat.com)

### **Program Committee**

John Taglienti, Chairman - [JVTaglienti@eastcoastfp.com](mailto:JVTaglienti@eastcoastfp.com)

### **Safety Committee**

*Two Retirements create opportunity. This could be you!*

### **Technical Codes & Standards Committee**

Paul Steele, Chairman - [Pauls@raymondgroup.com](mailto:Pauls@raymondgroup.com)

### **Technical Education Committee**

Carl Fernald, Chairman - [Carl.fernald@rollingplains.com](mailto:Carl.fernald@rollingplains.com)

## NFCA MOVES THE INDUSTRY FORWARD

**NFCA Fireproofing Education and Exams** – Offered in person at the NFCA Annual Conference AND now virtual 1-2 times a year. Prove Competence by passing the exams to become a NFCA SFRM/IFRM CAP DRI / UL SFRM DRI or Fireproofing Inspector.

**NFCA CAP Program** - The NFCA Contractor Accreditation Program (CAP) was created by NFCA to provide contractors an opportunity to improve quality and accuracy of installed Sprayed Fire-Resistive Material (SFRM) and Intumescent Fire-Resistive Materials (IFRM), and soon, other materials and systems. Plus, the NFCA CAP Contractor Mark shows commitment to quality.

**NFCA Handbook of Accepted Fireproofing Knowledge** - The NFCA HAFK, written by Fireproofing Industry Experts, is the industry resource for fireproofing knowledge and study guide for NFCA's Fireproofing Exams.

**UL Qualified SFRM Contractor Program** - NFCA and UL partnered to develop and re-launch the UL Qualified SFRM Contractor Program, to help contractors quantitatively prove quality while separating themselves from the competition.

**IAS AC291 Accredited Fireproofing Special Inspection Agencies** – Special Inspection Agencies can prove that their firm has proven experience, personnel, and processes in place to provide effective fireproofing inspection.

**Code & Standards Development** – NFCA is committed to keeping up with and developing codes & standards to continue improving fire and life safety in buildings. Through active participation at the International Code Council, (ICC), the National Building Code of Canada, NFPA, ASTM, UL, ULC, we help write the codes and standards. All this, to provide contractor, manufacturer and field input to the code and standards development process for better fire and life safety in buildings.

## **Monday, April 18 - IFRM Education**

- 1-2 UL Fire Resistance Directory & IFRM Systems Selection  
Rich Walke & Bill McHugh, NFCA
- 2-2:45 Primers and NFCA Technical Bulletins— Ernst Toussaint, Hilti
- 2:45-3:30 Measuring Thickness of IFRM Applications—  
Sean Younger, Carboline & Ernst Toussaint, Hilti
- 3:30-3:45 Break
- 3:45-4:45 NFCA 300 Application Standard—Bill McHugh, NFCA
- 4:45-5:30 NFCA 400 Quality Control Standard—Bill McHugh, NFCA

## **Tuesday, April 19 - Joint Schedule for SFRM and IFRM**

- 7:30 - 8 Breakfast
- 8 - 9 NFCA Accredited Contractor Program Overview—  
Bill McHugh, NFCA
- 9 - 10 Restrained versus Unrestrained—Rich Walke, NFCA
- 10 - 10:15 Break
- 10:15 - 12 ICC Building Code—Bill McHugh & Rich Walke, NFCA
- 12 - 1 Lunch

### **SFRM Education Program**

- 1 - 1:45 UL Fire Resistance Directory & SFRM Systems Selection—  
Rich Walke, NFCA
- 1:45 - 2:30 Beam Substitution Procedures & Examples—  
Sean Younger, Carboline
- 2:30 - 3:15 Thickness Adjustment Procedures and Examples—  
Dan Ehehalt, Isolatek
- 3:15 - 3:30 Break
- 3:30 - 4 UL Fire-Resistance Topics—Rich Walke, NFCA
- 4 - 4:45 NFCA 100 Application Standard—Bill McHugh, NFCA
- 4:45 - 5:30 NFCA 200 Quality Control Standard—Bill McHugh, NFCA

## **Wednesday, April 20 - SFRM & IFRM Examinations**

- 7 - 7:15 Breakfast
- 7:15 - 9:45 SFRM Examination
- 9:45 - 12:15 IFRM Examination
- 1 - 4 Special Event: Fireproofing Demo Day at Rolling Plains Construction

## NFCA Education for IFRM & SFRM Fireproofing Exams Instructors:



**Dan Ehehalt**, is currently the Marketing Manager for Isolatek International. He has been with the company for over 10 years with experience in R&D, Technical Service, Field Service, and Product Management



**Sean Younger**, Carboline, Inc., Sean Younger has been involved in fireproofing product sales and marketing since 2000. He has gained 21 years of technical fireproofing expertise in the commercial, industrial, & petrochemical markets while working with Nu-Chem, Inc. and Carboline. For the last 5 years he has served in a technical sales specialist role with Carboline covering the Central West region of the US, based out of St. Louis, MO.



**Ernst Toussaint**, PE, Sr. Steel Protection Engineering Mgr., Hilti, has more than 20 years in the fireproofing, pipeline, chemical plant and industrial coating/corrosion control environments. He holds Certifications as Protective Coating Inspector Level 3, Protective Coatings Specialist, Master Coating Inspector, Bridge Coating Inspector and Certified Concrete Coating Inspector Level 2 at the Society for Protective Coatings and a NACE CP Tester and CIP Level 3. Ernst holds degrees in Chemical Engineering, University of Florida and MBA, West Texas A&M University.



**Bill McHugh**, NFCA Executive Director, serves NFCA Members through association management and technical / industry advocacy at ASTM, ICC, etc. He has served on the ICC's Fire Safety Committee twice, serves on NFPA Fire Protection Features Committee for NFPA 101/5000, involved at Canada's Code Development process, also has served on boards at CSI, IAS.



**Rich Walke** is the Technical Director of Creative Technology Inc., providing consulting and training services for the fire protection and code enforcement communities, including The McHugh Company and the National Fireproofing Contractors Association. Previously, Rich had been employed by UL for 43 years, focusing on fire-resistance-rated construction and the protection of breaches in those assemblies. During that time, Rich was involved in testing, standards development, code development, and providing technical assistance and training to architects, engineer, contractors and code officials.



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## Supplier Member Sponsors

**Carboline:** Carboline is a global leader in providing high performance protective coatings and fireproofing products. Our comprehensive passive fire protection line of Sprayed Fire-Resistive Materials (SFRMs) and Intumescent Fire-Resistive Materials (IFRMs) offer dependable and proven aesthetically pleasing solutions for commercial applications. Our global reach allows us to consistently provide the highest quality products and services to our customers anywhere in the world.

**GCP Applied Technologies:** From the Monokote Family at GCP, we are inspired to influence how the world is built. We are dedicated to the development of high-performance products, the continued pursuit of advancement in construction technologies, simplifying the complexities of construction worldwide and delivering value to our customers. In challenging times, we continue to put our best foot forward in to honoring our commitment to our customers and our industry. Faster. Easier. Smarter. Credible. Engaged. Partner. Monokote.

**Hilti:** Hilti is bringing the innovation to the intumescent steel protection industry. Hilti Fire Finish is a water-based, glass fiber free intumescent product with optimized properties that allow for 65 mils wft to be applied each pass. Hilti All Weather High Build is a solvent based – 2 component intumescent steel fire proofing product to better protect load bearing steel structures in interior and exterior environments. The AWHB can be applied up to 160 mils wft. Hilti continues to work with research and development to improve the intumescent business!

**Isolatek International:** Isolatek International is recognized as the world's leading single source manufacturer, with a comprehensive range of passive fireproofing materials for steel and concrete construction. Our extensive CAFCO® product line includes solutions to every fire protection design requirement including Commercial, Medium, and High density Sprayed Fire-Resistive Materials, Intumescent Fire-Resistive Materials, and Rigid Boards.

**Sherwin-Williams:** The Sherwin Williams company is a Cleveland, Ohio headquartered manufacturer in the coatings manufacturing industry. The company is an international company primarily engaged in the manufacture, distribution, and sale of fireproofing, paints, coatings, floorcoverings, and related products to professional, industrial, commercial, and retail customers world-wide. By the beginning of 2020, Sherwin-Williams had operations in over 120 countries. Our Firetex Intumescent Fireproofing products are offered for both commercial and petrochemical fires. We have local Sales Representatives, Field Tech Representatives and stores that can service your requirements. We have an international staff of engineers who can provide both engineering and estimating services for our customers. Please feel free to contact your local Sherwin Williams Representative for all of your fire-resistive product needs.

## Associate Member Sponsors

**CJ Spray:** In 1995 CJ Spray started as a distributor/wholesaler of equipment to spray, meter, mix and dispense liquids servicing consumer, contractor and industrial markets. We have recently entered in to the fireproofing and intumescent market with a full lineup of mixers, pumps, hoses and all of the necessary sundries to get the job done. We offer cost effective off the shelf or we can design custom systems specific to your needs. After the sale we are here to offer training, services, and a large inventory of parts with same day shipping or delivery.

**Clark Dietrich Building Systems:** ClarkDietrich is the largest Cold Form Steel framing & lathing manufacturer in the U.S., with production plants in 9 states and Technical support across the U.S. & Canada. Additionally, we supply Structa-Wire Lath for use in Cellulose Insulation Applications. [www.clarkdietrich.com](http://www.clarkdietrich.com)

**Hyflex Corporation:** Need to win more bids? Stay up and running on your jobsites to protect profit? Get in, get on the job, and complete each project with minimal downtime? HyFlex has you covered! Our fireproofing pumps and mixers have field-proven power and reliability for over 50 years, and we continue to innovate based on the industry's specific needs. Our mission is to keep you pumping, mixing, and spraying efficiently on your projects of all sizes, and our tech team will be with you every step of the way.

**Nathan Kimmel Company:** For over 65 years NKC, a WBE (Woman-Owned Business), has been the construction industry's number one national and international supplier of fireproofing and plastering spray pumps, mixers, machine parts, hose, and nozzle assemblies, and the Standard of the Industry NKC Tarps. Our expanded and modernized production facility, store, and shipping/receiving department enables rapid fulfillment and quick turn-around of orders. NKC provides the highest quality products, competitive prices, outstanding customer support and technical service by our experienced staff.

**PDQuipment:** PDQuipment is the material sprayer's one-stop-shop with locations in almost every region of the United States. Our distribution channels help you get the correct parts and equipment to your job site anywhere in the country. We also sell a wide variety of new/used equipment, tarps, parts, pumps and more, we will supply you with whatever you need to get the job done.

**QuikSpray Inc.:** Quikspray®, Inc., is a manufacturer of material handling peristaltic pumps and mixers for the commercial coatings industry since 1968, located in Port Clinton, Ohio. The Carousel® Pump with the top mounted air compressor, is used to spray various fireproofing materials. The pumps, mixers, and related spray equipment are versatile and also capable of spraying drywall, stucco, ceilings/acoustics, exterior insulation, waterproofing, EIFS, artificial rock work, and other commercial coatings and also pumping epoxy grouts, heavily bodied materials, and re-grouting mortar joints. If you have a specific requirement, Quikspray® will build a custom unit for your application.

**Strong Manufacturing Co. Inc.:** Strong Manufacturing has always been driven to provide high quality mobile mixing and pumping equipment to their customers. Whether you're looking for a stand-alone pump, mobile mixer, or even a compact portable unit, Strong has you covered. Made in America, since 1964.

**The Estimating Edge:** Designed by an experienced team of construction tradesmen and software experts, The EDGE is a professional-grade takeoff and cost estimating software solution and completely customized to your trade and business. EDGE On Site is a mobile application that extends the estimate to the field, allowing teams to track the production including change orders as work is completed. Both solutions are intuitively designed to help both new and seasoned professionals work smarter, bid sharper and build better.

## **Wednesday, April 20**

- 1 - 4            Special Event: Fireproofing Demo Day at Rolling Plains Construction
- 5 - 7            Welcome Reception

## **Thursday, April 21**

- 7:15 - 8        Breakfast
- 8 - 8:30        NFCA Association Report – Carl Fernald & Bill McHugh
- 8:30 - 9:30    NFCA & IBC/IFC 2021, 2024 & NBCC 2025 Codes & Future – Bill McHugh, Rich Walke, Doug Evans
- 9:30 - 11      Leadership, Communications, & The Construction Process - Rob Stevens
- 11 - 11:15     Break w/ tabletop sponsors
- 11:15 - 12:00 Manufacturer & Associate Member Sponsor Forum
- 12 - 1          Lunch w/ tabletop sponsors
- 1 - 2:30        Top 10 Questions & Issues in Fireproofing
- 2:30 - 3:30    UL on the Past, Present & Future of UL 263 (& ASTM E119) UL 1709 - Rich Walke & Kevin Hyland
- 3:30 - 4        Break w/tabletop sponsors
- 4 - 4:15        Annual Membership Meeting & NFCA's Officers and Directors Elections
- 4:15 - 5:15    NFCA Fireproofing Industry Input Roundtables & Discussion Groups
- 6:15 - 8:30    Reception and Awards Dinner

## Friday, April 22

|             |  |
|-------------|--|
| 7:15 - 8    | Breakfast  |
| 8 - 8:30    | NFCA CAP & UL Qualified Fireproofing Contractor Program -<br>Bill McHugh, Ruben Sandoval           |
| 8:30 - 9:15 | Fireproofing Special Inspection & Current Status –<br>Bill McHugh & Jason Anastasi, Rolling Plains |
| 9:15 - 9:30 | Break  |
| 9:30 - 10   | NFCA Award of Excellence Program Winners   |
| 10 - 11     | What's Going On? - Passive & Active Industry -<br>Joe McElvaney, Hiller Companies                  |
| 11 – 11:30  | Industrial Fireproofing – How is it different?<br>Bob Pool, Alfred Miller Co.                      |
| 11:30 – 12  | NFCA Wrap Up   |

## Speakers in Order of Appearance



**Bill McHugh**, NFCA Executive Director, serves NFCA Members through association management and technical / industry advocacy at ASTM, ICC, etc. He has served on the ICC's Fire Safety Committee twice, serves on NFPA Fire Protection Features Committee for NFPA 101/5000, involved at Canada's Code Development process, and also has served on boards, local, regional and nationally at CST, IAS.



**Rich Walke** is the Technical Director of Creative Technology Inc., providing consulting and training services for the fire protection and code enforcement communities, including The McHugh Company and the National Fireproofing Contractors Association. Previously, Rich had been employed by UL for 43 years, focusing on fire-resistance-rated construction and the protection of breaches in those assemblies. During that time, Rich was involved in testing, standards development, code development, and providing technical assistance and training to architects, engineer, contractors and code officials.



**Douglas H. Evans, P.E., FSPPE** founded DHE FPE LLC to provide specialized consulting services to the construction industry after 22 years as a Fire Protection Engineer with Clark County (NV) Building Department. In his position with Clark County, his primary focus was coordinating fire protection aspects for the mega resorts on the Las Vegas Strip. Although this specialization requires a working knowledge of most fire protection aspects, Mr. Evans is primarily recognized for his vast knowledge of smoke management systems, passive fire-resistive construction, unique interior features, smoke management systems and combustible exterior claddings.

Mr. Evans is a registered Fire Protection Engineer, member of NFPA and a Fellow of the Society of Fire Protection Engineers.

## Speakers in Order of Appearance



**Rob Stevens** is currently the President of Leadership for Now. He is a skilled leadership development and training professional with 30 years of experience in developing people. He truly believes that people matter, should be led well, and that development does not happen by accident. His career has been dedicated to improving the performance of leaders, managers and other contributors within a wide variety of organizations. His diverse experience includes working on a range of subject matter including leadership, management, sales, service, product, compliance, technology, quality, orientation, etc. In addition, Rob has developed, and facilitated, classroom, eLearning, performance support, assessment and coaching solutions.



**Kevin Hyland** is UL's Principal Engineer for Fire Resistance and Containment within Built Environment. This role includes responsibilities for fire rated floor-ceiling and fire rated walls (UL263 / ASTM E119 / ISO 834); through penetration firestops (UL1479); fire resistive materials (SFRM / IFRM); fire doors, hardware, and glazing (UL10B, UL10C); fire rated ducts, and record protection. Kevin represents UL on many standards committees, including UL/ULC, ASTM and NFPA along with key memberships within industry associations.

Kevin has 24 years with UL with 21 of those years dedicated to managing some of UL's more complex large scale fire certification projects. Kevin holds a Bachelor of Science in General Engineering from University of Illinois Urbana-Champaign. He is based out of UL's Northbrook Office, and when he isn't working, he enjoys gardening, travelling and going to concerts and shows with friends.



**Ruben Sandoval Jr.**, Business Manager, Field Engineering Group, UL joined UL as a Field Engineer in 2000. Ruben has over 20 years of experience in safety engineering and 6 years of experience in the fire and life safety arena. Under Ruben's leadership the fire and life safety arena has seen the development of UL's Master Audit Certificate of Compliance (MACC), UL Fire Door Inspection program, and the launch of UL's Special Inspection of Firestop program. Ruben received his Bachelor's degree in Telecommunications Engineering in 1999. He is currently completing his MBA.



## Speakers in Order of Appearance



**Jason Anestasi** started in construction in Las Vegas as a third-party special inspector in 2005 where he held multiple inspection certifications. In 2007, he joined a large fireproofing contractor on the MGM CityCenter project in Las Vegas, NV as their Quality Assurance/Quality Control technician. He then traveled the US on various large projects for that contractor until 2016 when joining Rolling Plains Construction.

Since 2016, Jason has traveled nationally and internationally performing QA/QC functions while managing the Quality Control operations for Rolling Plains. Currently, he is a Project Manager for Rolling Plains while assisting and training staff.



**Joe McElvaney** has served the City of Phoenix for 19 years. He holds a Master Degree in Fire Service Administration from Arizona State University and a BS in Fire Protection and Safety Engineer Technology from Oklahoma State University. Joe has presented to NFPA, Local Chapter of AIA, CSI and several Phoenix and State Fire Organizations. Publications include Fire Protection Engineering, Spring 2002 "The Performance-Based Design Review Process Used in the City of Phoenix"; and Fire Protection Engineering, 2nd Quarter 2013 "First Responder Challenges In Very Tall Buildings".

Joe is a Registered Professional Engineer (Fire Protection) State of Arizona. Professional Affiliations include National Fire Protection Association: Technical Committee Member NFPA 5000; International Code Council; Fire Code / Building Code Development Technical Committee.



**Bob Pool** has 35 years experience in the industrial construction industry. His working knowledge of design, experience in construction and forward-thinking vision has allowed him to position Alfred Miller Companies as a leading design/build building contractor, fireproofing applicator and precast manufacturer for the industrial construction industry.

Bob has been involved in the NFCA as a Director, at the Construction Industry Institute and Advance Work Packaging Community of Practice as an Advisory Board Member, and Passive Fire Protection Network as a Steering Committee Member.

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