

PASSIVE FIRE PROTECTION SYMPOSIUM

SEPT 11-13, 2024 • CALGARY, AB

FCIA  **NFCA** 





WHAT'S ON THE AGENDA?

PRE-REGISTRATION REQUIRED

FCIA and NFCA partner this year for PasFiPro '24 Calgary, the FCIA-NFCA Passive Fire Protection Symposium & Exhibition Calgary. The educational Symposium provides education and networking opportunities for fire-resistance-rated structural and effective compartmentation - Passive Fire Protection - experts to enhance proficiency and make essential connections to set yourself as the true expert that you are.

PRE-REGISTRATION REQUIRED

SEPTEMBER 11, 2024

HORIZONS BALLROOM

All times listed are in MDT

- 7:30 am – 2:30 pm **PasFiPro '24 Calgary Registration Open**
- 7:30 am – 8:00 am **Welcome Breakfast with Exhibitors**
- 8:00 am – 8:15 am **Welcome Comments**
Bill McHugh, FCIA & NFCA
- 8:15 am – 8:45 am **FCIA & NFCA: The Visions, The Missions, The Associations**
Bill McHugh, FCIA & NFCA
- 8:45 am – 9:45 am **Breaking Busy - Finding Purpose and Peace in the Chaos (KEYNOTE)**
Linda Edgcombe
- 9:45 am – 10:15 am **Networking Break with Exhibitors**
- 10:15 am – 11:00 am **Recent Fire-Resistance Code Changes**
André Laroche, Eng., National Research Council Canada
- 11:00 am – 12:00 pm **ULC-S101 Fire-Resistance Standards: What You Need to Know**
Don Falconer, P.Eng., Falconer Engineering and Testing
- 12:00 pm – 12:45 pm **Luncheon**
Sponsored by TBD
- 12:45 pm – 1:15 pm **Exhibitor Updates**
- 2:00 pm – 3:00 pm **What's the Joint? An Exploration of Passive Fire Protection of Joints**
Panel
- 3:00 pm – 3:30 pm **Networking Break with Exhibitors**
- 3:30 pm – 4:15 pm **Understanding & Restoring STC Ratings Through Proper Firestopping**
Tim Mattox, Specified Technologies Inc. | TBD
- 4:15 pm – 5:00 pm **Perimeter Fire Containment**
TBD

By entering and your presence here, you consent to be photographed, filmed, and/or otherwise recorded. Your entry constitutes your consent to such photography, filming, and/or recording and allows Firestop Contractors International Association (FCIA) and/or National Fireproofing Contractors Association (NFCA), their licensees, assigns, successors in interest, and legal representation the irrevocable right to any use, in any and all media throughout the universe in perpetuity, or your appearance, voice, and name for any purpose whatsoever in connection with the production of the FCIA-NFCA Passive Fire Protection Symposium Calgary, PasFiPro '24 Calgary.





SEPTEMBER 12, 2024

WHITEHALL

All times listed are in MDT

- 7:30 am - 10:00 am PasFiPro '24 Calgary Registration Open
- 7:30 am - 8:00 am Continental Breakfast with Exhibitors
- 8:00 am - 8:45 am Passive Fire Protection Accreditation Programs
Brian Bray, UL Solutions | Bill McHugh, FCIA
- 8:45 am - 9:30 am Passive Fire Protection for Combustible Pipes
Tim Mattox, Specified Technologies Inc. | Scott Milburn, Aquatherm | Matthew Winston, Hilti | Kevin Yong-Ping, P.Eng., IPEX Inc.
- 9:30 am - 10:00 am Networking Break with Exhibitors
- 10:00 am - 11:00 am Education Program
TBD
- 11:00 am - 12:00 pm Education Program
TBD
- 12:00 pm PasFiPro '24 Calgary Ends

By entering and your presence here, you consent to be photographed, filmed, and/or otherwise recorded. Your entry constitutes your consent to such photography, filming, and/or recording and allows Firestop Contractors International Association (FCIA) and/or National Fireproofing Contractors Association (NFCA), their licensees, assigns, successors in interest, and legal representation the irrevocable right to any use, in any and all media throughout the universe in perpetuity, or your appearance, voice, and name for any purpose whatsoever in connection with the production of the Passive Fire Protection Symposium Calgary, PasFiPro '24 Calgary.



WHAT'S ON THE AGENDA?

FM & ULC FIRESTOP EXAMS

FCIA's Education for the Firestop Exams helps prepare Specialty Firestop Installation Contractors and Special Inspectors to pass the FM or UL Firestop Exams. Passing the Exams is required for Firestop Contractors to attain and maintain FM 4991 Approved or ULC Qualified Firestop DRI status and for Firestop Inspectors to prove competence to AHJ's or International Accreditation Services IAS AC 291 Special Inspection Agency responsible individual status.

PRE-REGISTRATION REQUIRED

SEPTEMBER 12, 2024

WHITEHALL ROOM

All times listed are in MDT

- 12:00 pm - 4:00 pm Firestop Exam Registration Open
- 12:30 pm - 1:00 pm Luncheon
- 1:00 pm - 2:30 pm FCIA Education for the FM & UL Firestop Exams
Bill McHugh, FCIA
- 2:30 pm - 2:45 pm Break
- 2:45 pm - 4:15 pm FCIA Education for the FM & UL Firestop Exams (continued)
- 4:15 pm - 5:30 pm Quality Management System Manual Development
Brian Bray, UL Solutions | Bill McHugh, FCIA

SEPTEMBER 13, 2024

WHITEHALL ROOM

All times listed are in MDT

- 7:00 am - 7:30 am Continental Breakfast
 - 7:30 am - 11:30 am FM & ULC Firestop Exam for DRI Candidates & Inspection Personnel
- Note: The ULC Firestop Exam is an OPEN BOOK exam. ULC Exam Participants MUST provide their own copy of the FCIA Manual of Practice. The FM Firestop Exam DOES NOT allow use of the MOP during the exam.

By entering and your presence here, you consent to be photographed, filmed, and/or otherwise recorded. Your entry constitutes your consent to such photography, filming, and/or recording and allows Firestop Contractors International Association (FCIA) and/or National Fireproofing Contractors Association (NFCA), their licensees, assigns, successors in interest, and legal representation the irrevocable right to any use, in any and all media throughout the universe in perpetuity, or your appearance, voice, and name for any purpose whatsoever in connection with the production of the FCIA-NFCA Passive Fire Protection Symposium Calgary, PasFiPro '24 Calgary.



WHAT'S ON THE AGENDA?

NFCA IFRM & SFRM FIREPROOFING EXAMS

NFCA's Education for the Fireproofing Exams helps prepare Fireproofing Contractors and their personnel to pass the NFCA IFRM and SFRM Fireproofing Exams. Passing the Exams is required to attain and maintain DRI status through the NFCA Contractor Accreditation Program.

PRE-REGISTRATION REQUIRED

SEPTEMBER 13, 2024

RUNDLE ROOM

All times listed are in MDT

- | | |
|---------------------|--|
| 7:00 am - 12:00 pm | Fireproof Exam Registration Open |
| 7:00 am - 7:30 am | Continental Breakfast |
| 7:30 am - 8:15 am | UL Fire-Resistance Directory & IFRM Systems Selection
<i>All education presented by Bill McHugh, NFCA</i> |
| 8:15 am - 8:45 am | Primers & NFCA Technical Bulletins |
| 8:45 am - 9:15 am | NFCA 300 Application Standard |
| 9:15 am - 9:45 am | NFCA 400 Quality Control Standard |
| 9:45 am - 10:00 am | Break |
| 10:00 am - 10:30 am | Restrained vs. Unrestrained |
| 10:30 am - 11:15 pm | ICC Building Code |
| 11:15 am - 12:00 pm | UL Fire-Resistance Directory & SFRM Systems Selection |
| 12:00 pm - 12:30 pm | Luncheon |
| 12:30 pm - 1:00 | UL Fire-Resistance Topics |
| 1:00 pm - 1:30 pm | NFCA 100 Application Standard |
| 1:30 pm - 2:00 pm | NFCA 200 Quality Control Standard |
| 2:00 pm - 6:00 pm | NFCA IFRM & SFRM Fireproofing Exams |

Note: The NFCA IFRM & SFRM Fireproofing Exams are OPEN BOOK ONLINE exams. Exam participants MUST provide their own copy of the NFCA Handbook of Accepted Fireproofing Knowledge AND their own laptop.

By entering and your presence here, you consent to be photographed, filmed, and/or otherwise recorded. Your entry constitutes your consent to such photography, filming, and/or recording and allows Firestop Contractors International Association (FCIA) and/or National Fireproofing Contractors Association (NFCA), their licensees, assigns, successors in interest, and legal representation the irrevocable right to any use, in any and all media throughout the universe in perpetuity, or your appearance, voice, and name for any purpose whatsoever in connection with the production of the Passive Fire Protection Symposium Calgary, PasFiPro '24 Calgary.



SEPTEMBER 11, 2024

8:15 am - 8:45 am

FCIA & NFCA: The Visions, The Missions, The Associations, and Canada

Bill McHugh, FCIA/NFCA

You've heard of FCIA and NFCA, maybe you're even a new member, but what exactly do the Firestop Contractors International Association (FCIA) and National Fireproofing Contractors Association (NFCA) do?

In this session, you'll learn about the origins of the organizations, what the missions and guiding principles are, and how both groups advocate and work to further the fire and life safety industries in Canada.

8:45 am - 9:45 am

Breaking Busy - Finding Purpose and Peace in the Chaos

Linda Edgecombe

It's time to step off the treadmill and get back to purpose-focused workplaces!

The challenges most organizations face are staff burnout, distraction, and an ongoing feeling of overwhelm.

This session equips you with tools to reduce busyness, increase engagement, energy and productivity, and the inspiration to literally take your life back.

Presentation takeaways:

- Discover what the "being busy pace" is doing to our work and personal lives.
- Explore simple steps to move forward when you are in a state of overwhelm.
- Learn strategies and tools to change your busy mindset to a success-ful thrive mindset, including the clarity planning tool.
- Learn how to lead with curiosity, accountability, and positivity.
- Get instant energy from laughing throughout the presentation.

10:15 am - 11:00 am

Recent Fire-Resistance Code Changes
André Laroche, Eng., National Research Council Canada

The National Research Council (NRC) of Canada is a world-renown organization in egress, fire-resistance, roofing, and many other construction disciplines.

This session focuses on the changes that were introduced with the 2020 edition of the National Model Codes and those proposals currently under review for the 2025 edition. It will provide a brief description of the problem and rationale why the changes were developed.

The presentation will also include a brief overview of the revised code development system under which the National Model Codes will be developed in the future, as well as any potential outstanding items related to Passive Fire Protection that may lead to further revisions.

11:00 am - 12:00 pm

ULC-S101 Fire-Resistance Standards: What You Need to Know
Don Falconer, P.Eng., Falconer Engineering and Testing

This session covers the Standards for both structural fire-resistance AND effective compartmentation. Some things that will be covered are: load applied for horizontals, the extrapolation impossibility of IFRM's due to formulation differences, foam over fireproofing, (IFRM or SFRM, Boards/Wraps), acceptance criteria, requirements for continuity, including head-of-wall, bottom-of-wall, curtainwall, and more.

2:00 pm - 3:00 pm

What's the Joint? An Exploration of Passive Fire Protection Joints
TBD

TBD

3:30 pm - 4:15 pm




SEPTEMBER 12, 2024

Understanding & Restoring STC Ratings Through Proper Firestopping

Tim Mattox, Specified Technologies Inc.

| TBD

The primary purpose of firestopping is to contain fire and smoke. But before they are called to perform to their intended design, they may need to serve a dual purpose of reducing sound transmission.

In this course, we will start by explaining the fundamental nature of sound and how it travels as an energized wave through objects. From there we will discuss the differences between lab and field sound transmission testing, how compartment-to-compartment air leakage plays a critical role in sound transmission, and how proper firestopping is effective in solving both fire and sound requirements. We will finish by covering what types of materials and applications are most effective in reducing sound transmission and compare them with materials and applications that are better suited for situations where sound transmission is not critical.

4:15 pm - 5:00 pm

Perimeter Fire Containment

TBD

TBD

8:00 am - 8:45 pm

Passive Fire Protection Accreditation Programs

Brian Bray, UL Solutions | Bill McHugh, FCIA/NFCA

FCIA worked closely with UL to build the UL Qualified Firestop Contractor Program and FM Approvals for the FM 4991 Standard for the Approval of Firestop Contractors.

NFCA developed the NFCA Contractor Accreditation Program, which supports UL's Qualified SFRM Contractor Program.

Learn more about all three programs, including how to become accredited, how and why to Specify the programs, and more.

8:45 am - 9:30 am

Passive Fire Protection for Combustible Pipes

Tim Mattox, Specified Technologies Inc.

| *Scott Milburn, Aquatherm | Matthew Winston, Hilti | Kevin Yong-Ping, P.Eng., IPEX Inc.*

Combustible pipes are being used with increasing regularity in the construction industry. But there are obvious limitations to properly firestopping these penetrations. Hear from this manufacturer panel as they discuss proper firestop installation practices, problem situations, solutions, and more.

10:00 am - 11:00 am

Education Session

TBD

TBD

11:00 am - 11:45 am

Education Session

TBD

TBD



SESSION DESCRIPTIONS

SEPTEMBER 12, 2024

1:00 pm - 4:15 pm

**FCIA Education for the FM & UL
Firestop Exams**
Bill McHugh, FCIA

The FM & UL Firestop Exams are based on FCIA's Firestop Manual of Practice (MOP), the FM & UL program guides, and systems selection and analysis. These exams are used for contractor personnel to become FM 4991 Approved Contractor and UL Qualified Contractor Program DRIs.

For Special Inspectors, passing the exam proves firestopping competency to the Authority Having Jurisdiction (AHJ), required by the IBC's Chapter 17. Passing an exam is also a requirement in IAS AC 291 for the Inspector to become a Responsible Person.

The FCIA Education for the FM & UL Firestop Exam education sessions help prepare individuals and support individual preparation for these rigorous exams, further strengthening and developing firestopping knowledge.

***This program IS NO SUBSTITUTE for reading FCIA's Firestop Manual of Practice and studying the FM & UL program guides and systems selection and analysis before the exams.**

4:15 pm - 5:30 pm

**Quality Management System Manual
Development Education**
*Joseph Nunes, FM Approvals | Mark St.
Onge, UL Solutions | Rich Walke, CTI*

This session takes an in-depth look at the Quality Management System Manual requirements for the FM 4991 Approved, UL & ULC Qualified Firestop Contractor, and IAS AC 291 Accreditation programs. The session also provides tips and a framework for structuring and writing a comprehensive QMS Manual.

SEPTEMBER 13, 2024

0800 am - 1230 pm

**Education for the IFRM & SFRM
Fireproofing Exams**
Bill McHugh, NFCA

This session helps prepare individuals to take the NFCA IFRM and SFRM Fireproofing Exams. Among the topics covered are the UL Fire-Resistance Directory, IFRM and SFRM Systems Selection, NFCA Technical Bulletins and Application Standards, Restrained versus Unrestrained, the ICC Building Code, beam substitution procedures and examples, thickness adjustment procedures, and more.





WWW.FCIA.ORG
WWW.NFCA-ONLINE.ORG