

EXISTING BUILDING  
**FIRE-RESISTANCE**  
SYMPOSIUM DUBAI

14-15 FEB 2023



**FCIA**   
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# A WORD FROM FCIA'S BOARD PRESIDENT, TYLER FERGUSON

Welcome to the FCIA Existing Building Fire-Resistance Symposium Dubai '23.

First off, I want to thank you all for being a part of the FCIA, Firestop Contractors International Association. By being a part of the FCIA, not only are you pushing a new and exciting industry forward, but you are also supporting an industry that truly can save lives.

I am genuinely honored to be serving you all as the 2023 FCIA Board President. Firestopping is something I have been passionate about since I first learned about the industry. Not only was I intrigued about how important it was, but I was also surprised by how many people knew so little about it. The second I fully understood the importance of proper firestopping, I knew that this was the career path for me. Since then, I have dedicated the last 10 years of my life learning, studying, teaching, and growing the life safety industry.

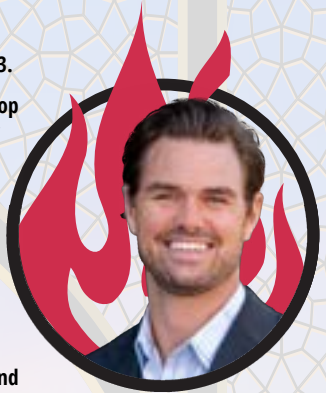
I believe that the future of the firestopping industry lies in education and awareness. I am the Committee Chair for the Education Committee, the goal of which is to build the best virtual education program on the market. The Program is called the FCIA Certificate of Achievement Education Program (FCAEP). We rolled out the Firestop Level 1 & Level 2 Programs in 2022. We look forward to rolling out the Level 3 program in 2023. I am passionate about educating as many people as we possibly can. The more people that fully understand why firestopping needs to be installed properly, the better chance we have at continuing to push this profession in a positive direction.

If you want to make a difference, I challenge you to become part of a FCIA Committee. It takes the next generation of Specialty Firestopping Installation Contractors to step up and do their part in continuing to change and mold our industry and Association. We are always excited to see new faces and to hear new ideas.

I also want to thank all the trailblazers that came before us, including a special "Thank you" to all those who have served as FCIA Board President and on the FCIA Board of Directors. There are so many people that have dedicated so much of their time and energy to build the industry we have today. To all of you, "Thank you." All your hard work has not gone unnoticed. Additionally, I want to thank Bill McHugh and his amazing team for all they do for all of us. I am truly honored to have the opportunity to work beside this fine group of people.

In closing, I am excited for what 2023 has in store! FCIA has so many exciting events on the calendar, I look forward to meeting you in-person if you get the chance to make it to one of our amazing events. If you can't make it, I hope you get the opportunity to join us virtually. You don't want to miss all the great content the FCIA has for us in 2023!

Finally, thank you for all for the continued support. We would not be able to have such a successful and impactful organization without each one of you!! Enjoy the event, and thank you for your commitment to fire and life safety!



*Tyler Ferguson*

Tyler Ferguson, 2023 FCIA Board President



# WHAT'S ON THE AGENDA?

## PRE-REGISTRATION REQUIRED

The FCIA Existing Building Fire-Resistance Symposium Dubai, DUBAI '23, provides technical education on all aspects of fire-resistance-rated and smoke-resistant assemblies in existing buildings in the Gulf Region. The content is tailored for Specialty Firestop Installation Contractors, Special Inspection Agency personnel, Department of Civil Defence members, Department of Municipality members, Building Owners and Managers, and Architects and Engineers or Specifiers with Design Firms.

All times listed are in GST.

## 14 FEBRUARY 2023

### ADMIRAL

0730 am - 1200 pm	Registration Open
0730 am - 0800 am	Welcome Tea and Coffee
0800 am - 0830 am	FCIA & Sponsor Welcome & Introduction
0830 am - 0930 am	<b>Fire-Resistance Test Standards and How They Work</b> <i>Bill McHugh, FCIA   Abhishek Chhabra, Thomas Bell-Wright International Consultants</i>
0930 am - 1015 am	<b>Municipality, Building Owners, and Protecting People in Existing Buildings</b> <i>Bill McHugh, FCIA</i>
1015 am - 1030 am	Break
1030 am - 1130 am	<b>Installation Standards</b> <i>Bill McHugh, FCIA   Amr Mahmoud, MSc., PE, UL Solutions</i>
1130 am - 1230 pm	Luncheon
1230 pm - 1315 pm	<b>Firestop Inspection Standards</b> <i>Bill McHugh, FCIA</i>
1315 pm - 1430 pm	<b>Firestop Systems Selection, Analysis, &amp; Survey</b> <i>Bill McHugh, FCIA   Julius Sarmiento, Emirates Laboratory</i>
1430 pm - 1500 pm	<b>Symposium Wrap-Up</b> <i>Bill McHugh, FCIA</i>

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**Tyler Ferguson, 2023 FCIA Board President**

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# WHAT'S ON THE AGENDA?

## PRE-REGISTRATION REQUIRED

FCIA Education for the FM & UL Firestop Exams education sessions help FCIA Members and others prepare for the FM & UL Firestop Exams. They also help FM & UL DRIs attain and maintain FM 4991 Approved or UL Qualified Firestop DRI status, Firestop Inspectors to prove competence to AHJs or International Accreditation Services IAS AC 291 Special Inspection Agency responsible individual status.

All times listed are in GST.

## 15 FEBRUARY 2023

### STRAITS 1

0730 am – 1700 pm	Registration Open
0730 am – 0800 pm	Welcome Tea and Coffee
0800 am – 1000 am	FCIA Education for the FM & UL Firestop Exams <i>Bill McHugh, FCIA</i>
1000 am – 1015 am	Break
1015 am – 1230 pm	FCIA Education for the FM & UL Firestop Exams <i>Bill McHugh, FCIA</i>

### ACCENTS RESTAURANT

1230 pm - 1330 pm Luncheon

### STRAITS 1

1330 pm - 1715 pm	Quality Management System Manual Development Education <i>Bill McHugh, FCIA   Amr Mahmoud, MSc., PE, UL Solutions</i>
1715 pm – 1730 pm	Break
1730 pm – 2030 pm	FM & UL Firestop Exams



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**TUESDAY, 14 FEBRUARY 2023**

**0830 am - 0930 am**

## **Fire-Resistance Test Standards and How They Work**

*Bill McHugh, FCIA | Abhishek Chhabra, Thomas Bell-Wright International Consultants*

Learn about the Fire Test Standards for fire-resistance-rated walls and horizontal assemblies, ASTM E119 and UL 263.

This session provides a top-level look at these critical assemblies and the penetration and opening protective assemblies that protect the breaches. Systems that will be explored are ASTM E814 and the new Standard for Movement and Exposure, the unique L and W ratings in UL 1479, ASTM E1966, UL 2079 Head-of-Wall assemblies, UL 9, UL 10B, UL10C, NFPA 257, NFPA 252 for Fire Doors, UL555, UL5555 for Fire Dampers, NFPA 80 Opening Protective Requirements in New Construction, and existing buildings.

\*The session takes a broad look at various Standards, except those related to perimeter fire containment.

**0930 am - 1015 am**

## **Municipality, Building Owners, and Protecting People in Existing Buildings**

*Bill McHugh, FCIA*

There is a process for maintaining protection in existing buildings that Building Owners and Managers can use.

This session covers key processes Building Owners and Managers can use to maintain protection in buildings.

**1030 am - 1130 am**

## **Installation Standards**

*Bill McHugh, FCIA | Amr Mahmoud, MSc., PE, UL Solutions*

When installed in accordance with the listing and manufacturers installation instructions, Fire Test Standards form the suitability for use statements for products in specific

fire-resistance-rated systems. Effective fire-resistance-rated and smoke-resistive compartmentation relies on these breach protections for reliability.

In this session, delegates will learn the key points about systems selection and analysis, in addition to the FM 4991, Standard for the Approval of Firestop Contractors and UL Qualified Firestop Contractor Programs.

**1230 pm - 1315 pm**

## **Firestop Inspection Standards**

*Bill McHugh, FCIA*

Firestopping is a complex systems-oriented discipline with exacting installation requirements. The quality check on the Contractor's installation process is inspection in accordance with ASTM E2174, *Standards for the On-Site Inspection of Installed Firestop Systems* and ASTM E2393, *Standards for the Inspection of Fire-Resistive Joint Systems and Perimeter Fire Containment Standards*.

This session reviews the inspection Standards and their requirements.

**1315 pm - 1430 pm**

## **Firestop Systems Selection, Analysis, & Survey**

*Bill McHugh, FCIA | Julius Sarmiento, Emirates Laboratory*

Building Owners and Managers need to evaluate installed firestop systems for compliance with the Fire Codes. Managing fire-resistance-rated and smoke-resistant assemblies in existing buildings needs a plan to be effective. The plan needs to be part of the facility personnel's culture to maintain protection of buildings and their occupants.

This session provides the tools to help develop and implement a passive fire protection management plan, including a review of the FCIA Recommended Practice for Survey of Existing Buildings and the FCIA Recommended Practice for Identification Systems such as Labeling.



**WEDNESDAY, 15 FEBRUARY 2023**

**0800 am - 1230 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.

**1330 pm - 1715 pm**

**Quality Management System Manual**

**Development Education**

*Bill McHugh, FCIA | Amr Mahmoud, MSc., PE, UL Solutions*

This session takes an in-depth look at the Quality Management System Manual requirements for the FM 4991 Approved, UL 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.

Expansion joints with fire barriers







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