FCIA’s Virtual ‘DIIM’ Firestop & Effective Compartmentation Symposium Middle East provides education about all aspects of fire-resistance-rated and smoke-resistance-rated assemblies for the building’s life cycle to Specialty Firestop Installation Contractors, Special Inspection Agency personnel, Civil Defence, Building Owners and Managers, Architects and Engineers with Design Firms, ICC Members, and ASTM Members. FCIA education sessions help FCIA Members attain and maintain FM 4991 Approved or UL Qualified Firestop DRI status or International Accreditation Services IAS AC 291 Special Inspection Agency responsible individual status.

REGISTRATION REQUIRED

8 November 2020

1600 – 1615  
FCIA President’s Welcome & Association Comments  
*Ben Urcavich, FCIA 2020 President | Bill McHugh, FCIA Executive Director*

1615 – 1645  
‘D’esign – Barriers in NEW & EXISTING Buildings: What Are They For?  
*Bill McHugh, FCIA | Rich Walke, FCIA*

Chapter 7 of the International Building Code, “Fire and Smoke Protection Features”, covers Barrier Construction and the definitions that are associated with the Barrier, including Fire Barriers, Smoke Barriers, Fire Walls, Fire Partitions, and Smoke Partitions. In this session, delegates will learn about the terminology, the criteria, the use, and the requirements of Barriers, as defined by the IBC, as well as will explore the references used for fire-resistance maintenance in the International Fire Code.

1645 – 1715  
‘D’esign & Testing – How Do We Achieve Fire-Resistance- or Smoke-Resistance-Rating?  
*Bill McHugh, FCIA*

The International Building Code, International Fire Code, and NFPA 101 all mandate products that become systems when installed to the Manufacturers’ installation instructions and fire-resistance listings from the various directories. Fire-resistance-rated walls, floors, fire dampers, fire-rated doors, fire-rated glazing, and firestopping are all tested to the standards using common evaluation elements. In this session, learn about the testing for fire-resistance-rated construction, including the walls, floors, doors, dampers, and firestop systems, in order to properly maintain the existing fire-resistance-ratings and smoke resistant properties of these assemblies.

1715 – 1800  
Perimeter Fire Containment – Applications, Approvals, & Testing: Navigating Through the Application and Various Global Standards  
*Yavnish Adklaoha, HILTI*

In this session we will talk about the Perimeter/Edge of Slab/Curtain Wall Joints application in detail as well as the Global firestop testing standards available and accepted for this application in the Middle East, with Local Code references. The session will focus primarily on perimeter fire containment testing in accordance to ASTM International, UL and European Norms.

1800 - 1845  
*Ben Stys, Inpro*

This presentation provides an overview of fire barriers as related to expansion joints, standard industry expansion joint fire barrier types, the test standards these systems need to pass in order to be classified as an expansion joint fire barrier system, and keys for proper installation of expansion joint fire barrier systems.

1845 – 1930  
Firestopping Through Penetrations  
*Fouad Hajj, STI*

The session will cover the various standards used, through-penetration firestop systems, and their different ratings (F, T, L & W). Emphasis will be on the differences between UL 1479 and the BS and EN Standards for penetrations. The session will also discuss the new ASTM E 3037 Standard concerning movement requirements for through penetrations, in addition to the different products that can be used to firestop the different types of penetrations found on a job site.
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9 November 2020

1600 – 1645  
**‘I’Installation – The Contractor Qualification Programs**  
*Bill McHugh, FCIA*  
The FM 4991 Standard for the Approval of Firestop Contractors and the UL Qualified Firestop Contractor Programs bring quantified qualification of Firestop Contractor companies. Learn about third-party accreditations that are available for Specialty Firestop Installation Contractor companies during this program. The session will also look at the NEW UL Master Certificate of Compliance Program.

1645 – 1730  
**Perimeter Fire Containment: Common Misconceptions**  
*Angie Ogino, Thermafiber, Inc.*  
Detailing a building’s perimeter fire containment system can be complicated. Typically, aesthetics, thermal performance, and moisture management design take precedence over properly detailing a perimeter fire containment system. Therefore, most often, a tested and listed system has to be incorporated once all the other building performance criteria has been set into the drawings. This can be challenging for the Specialty Firestop Installation Contractor to make sure that all the details required to keep fire from spreading through the interior perimeter joint are properly installed. This presentation will highlight the 5 common misconceptions when it comes to designing and installing a perimeter fire containment system.

1730 – 1815  
**‘I’nspection – Special Inspection: An Important Step in the ‘DIIM’ Process**  
*Bill McHugh, FCIA*  
Chapter 17 of the International Building Code has an option for Special Inspection for several building elements. In firestopping, ASTM E 2174 and ASTM E 2393 Special Inspection Standards are used. This session covers the IAS AC 291 Accreditation Program for Special Inspection Agencies, as well as reviews what to look for in the field to find improper firestopping installations.

1815 – 1900  
**Endothermic Mat for the Fire Protection of Electrical Cables, Communication Systems, and Fuel Oil Pipes**  
*Dean Ahmed Zalzala, 3M*  
Protecting critical building systems can be complicated. There are changes to NFPA 72 requiring the protection of distributed antennae systems, as well as the inclusion of UL 1489 in building codes as a referenced Standard for fuel oil pipe protection. Learn more about these changes and the various methods for protecting critical electrical, communication, and fuel oil piping systems.
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REGISTRATION REQUIRED

10 November 2020

1600 – 1700 Fire- and Smoke-Resistance ‘M’aintenance & ‘M’anagement– An Overview
Bill McHugh, FCIA | Rich Walke, FCIA
UAE’s Fire and Life Safety Code of Practice, NFPA 101, NFPA 1, the International Fire Code, and other codes require that fire-resistance be maintained throughout the building life cycle. Attend this session to learn about how proper specifications and how building an inventory of fire-resistance, records, and maintenance can make buildings safer around the world.

1700 – 1745 Seismic Fire Barrier Applications for Movement Joints
Steve Cooper, Balco/Rectorseal
This educational session will explain the test performance (UL, ASTM, and others) and International Building Code (IBC) requirements for fire barriers that are designed for commercial building movement joints that have seismic attributes as part of the design. Seismic requirements are not only for large earthquake prone structures. The related expansion and movement control can vary depending on many natural forces, such as temperature changes, high wind loads, and also seismic activity. In addition, this session will demonstrate the assemblies required to create a complete fire-rated seismic movement joint construction for floors and plazas, interior and exterior walls, and roof construction elements.

1745 – 1845 Barrier Management Services
Bill McHugh, FCIA
Building owners and managers are required to maintain the continuity of fire-resistance-rated assemblies in existing buildings. But many building owners and managers don’t know where to start to find the resources to maintain these assemblies. That’s why FCIA developed the Barrier Management Services resource listings. In this session, we look at maintaining fire-resistance-rated assemblies and how to find service providers for this critical piece of the ‘DIIM’ puzzle.
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REGISTRATION REQUIRED

10 November 2020 cont’d

1845 – 1900
The FM 4991 Approved Program
Jill Norcott, FM Approvals
TBD

1900 – 1915
UL’s New MACC & UL Qualified Firestop Contractor Program
Ruben Sandoval, UL
Attend this session to hear about UL’s new program, the Master Certificate of Compliance (MACC). Part of UL’s Qualified Firestop Contractor Program (QFCP), the MACC is annually renewable and helps building owners and managers comply with fire code requirements that state the fire-resistance must be able to continuously provide protection – all year long. The program also covers key benefits associated with the UL QFC Program.

1915 – 1930
Closing Remarks
Ben Urcavich, FCIA 2020 President | Bill McHugh, FCIA Executive Director

Plan to attend ECA ’21, FCIA’s Education & Committee Action Conference, at the InterContinental Kansas City at the Plaza in Kansas City, MO next 10-13 May 2021!

“There are many opportunities for you to jump into our story; a story that is being written about the growth and development of the firestopping & fire- and life-safety industry.”

Ben Urcavich, 2020 FCIA Board President