



FCIA DIIM Educational Symposium in Canada

Design, Install, Inspect & Maintain
for Life Safety

The Sheraton Ottawa Hotel
March 13-14, 2013

As FCIA's 2013 President, I welcome you to the 2013 Firestop Design, Install, Inspect, Maintain (DIIM) Educational Symposium at The Sheraton Ottawa Hotel.

FCIA has been actively involved in developing programs, standards, educational materials/seminars and codes to promote building the reliability of installed firestopping throughout the world. The FCIA Specialty Firestop Contractor philosophy is but one of the pieces to this complete approach FCIA has taken worldwide. As a group, we are truly an international organization with many successes.

As an association we have made great contributions to the industry. Many FCIA Initiatives have become industry leading programs that are building better reliability daily:

- ***FCIA Manual of Practice is highly regarded as the industry Firestop DIIM guide.***
- ***Life Safety Digest, FCIA's quarterly compartmentation publication reaches wide.***
- ***FM 4991, 'The Standard for Approval of Firestop Contractors' and the Underwriters Laboratory 'UL Qualified Firestop Contractor Program' are required in internationally recognized construction specifications.***
- ***FCIA participates on UL Standards Technical Panels, Chairs ASTM Inspection Standards ASTM E2174 and ASTM E2393, at the IAS AC 291 Accreditation Program for Firestop Inspectors and FCIA's Firestop/Containment Apprenticeship Education Program. ASTM E 2174 and ASTM 2393 are required by some codes.***

Thank you to the 2013 (and previous) Board of Directors for volunteer resources spent to develop, improve, expand and make a difference in the firestop and life safety industry:

- | | |
|----------------------------------|--------------------------------|
| -Eric Keeton – Vice President | - Don Murphy – Treasurer |
| -Scott Rankin – Secretary | - Gary Hamilton – Director |
| -Mindi Keels-Schrader – Director | - Ken Slama – Director |
| -Jodi Clem – Past President | - Bob Hasting – Past President |

Please consider getting actively involved in FCIA by volunteering for a committee. Each of the committees, Accreditation, Code, Legislative, Life Safety Digest, Marketing, Membership, Program, Standards and Technical-Education- Apprenticeship, have made a difference. FCIA's committee volunteers made this Symposium possible.

Thanks to FCIA members for continued support. Through your financial and volunteerism support, you make FCIA what it is today. Our association welcomes and needs your support worldwide to continue to grow and make a difference in fire safety.



Sincerely,

Tracy Smith, 2013 FCIA President

FCIA DIIM Educational Symposium in Canada – 13 March 2013
Firestopping “DIIM”–Design, Install, Inspect, Maintain for Life Safety
The Sheraton Ottawa Hotel - Ottawa, Ontario, Canada



AGENDA

-Welcome-

**Specifiers, Architects, Building Officials, Fire Marshals, Contractors, Consultants, Manufacturers,
Manufacturers Reps, Distributors, Governmental Officials**

- | | |
|-------------|---|
| 0800 - 0830 | Exhibitor Setup |
| 0830 - 0900 | Coffee, Tabletops Open |
| 0900 - 0915 | Firestopping, FCIA, and DIIM – Design, Install, Inspect and Maintain
How Firestopping fits in with Total Fire Protection & Compartmentation;
<i>Bill McHugh, FCIA Executive Director</i> |
| 0915 – 1015 | Design – Codes mandate the use of ULC & Other Firestop Standards, Tested and Listed Firestop Systems. Their use is key to safe buildings. Focus on High Rise Construction and building perimeter fire containment.
<i>Rae Dulmage, Underwriters Laboratories Canada and John Hurley, Specified Technologies, Inc.</i> |
| 1015 – 1030 | Break |
| 1030 - 1100 | Install - FM 4991, Standard for the Approval of Firestop Contractors
<i>Jeff Gould, FM Approvals</i> |
| 1100 - 1115 | Tabletop Exhibitor Presentations, 2 minutes each |
| 1115 - 1145 | Install - UL Qualified Firestop Contractor Program
<i>Betsy Titus, Underwriters Laboratories</i> |
| 1145 – 1215 | Inspection – Codes and Specifications dictate that firestopping be installed to the tested and listed system. Inspection to ASTM E 2174 & ASTM E 2393, by IAS AC 291 Accredited Inspection Agencies, adds reliability for installed firestopping.
<i>Bill McHugh, Firestop Contractors International Association</i> |
| 1215 - 1245 | Maintenance – The Canadian National Building Code, NFPA 101 and the International Fire Code require that fire resistance be maintained throughout the building life cycle. Learn new requirements at this session.
<i>Stephane Dugas, Hilti (Canada) Corporation</i> |
| 1245 - 1330 | Luncheon – Seminar Exhibitor Presentations |
| 1330 - 1400 | To NRC - Transportation provided or own vehicles to NRC after Lunch |

1400 – 1430

National Research Council of Canada Presentation about the Laboratories
Ahmed Kashef, Acting Director, Fire Research

1430 - 1700

FCIA Tours the NRC's Research Center of Canada

1700 – 1800

Exhibitors dismantle

**THANK YOU - FCIA Ottawa Educational Symposium
SPONSORS**



**FCIA CONTRACTOR Education for
FM 4991 or ULC Qualified Firestop Contractor Exams
14 March 2013
The Sheraton Ottawa Hotel – Ottawa, Ontario, Canada**



Education Session from 0830-1200 is open to all FCIA Member Contractors, Specifiers, Government Officials. Non Members may attend for \$495US.

0730 - 0830	<i>Continental Breakfast</i>
0830 – 1000	FCIA Education Session for FM & UL/ULC Firestop Exams <i>Bill McHugh, FCIA Executive Director</i>
1000 - 1015	<i>Break</i>
1015 - 1030	FCIA Education Session continued for FM & UL/ULC Firestop Exams <i>Bill McHugh, FCIA Executive Director</i>
1030 – 1130	FM Approvals Management System Education
1130 – 1230	UL/ULC Management System Education
1230 - 1330	Lunch
1330 – 1730	FM & UL/ULC Firestop Exams – Pre Registration Required

FCIA 2013 Firestop Design, Install, Inspect, Maintain (DIIM) Educational Symposium Speaker Profiles ~ In alphabetical order

Stephane Dugas, Senior Fire Protection Specialist

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Stephane is currently the Senior Fire Protection Specialist for Hilti Canada, covering the Montreal and Ottawa Regions. He has been with Hilti Canada for 18 years and has been a Fire Protection Specialist for the past 8 years.

G. Rae Dulmage, Director

**Underwriters Laboratories of Canada
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Email: rae.dulmage@ul.com**

Rae Dulmage joined Underwriters Laboratories of Canada (ULC) as Director, Standards Department and Government Relations Office in the fall of 2002. In 2008, he also took on the role of Director, Regulatory for Canada.

Rae is a former Manager, Standards Program at the Standards Council of Canada (SCC). At SCC, he oversaw the Canadian mirror committees for ISO and IEC; the approval of all National Standards of Canada; the development and maintenance of the requirements for SDOs and standards and acted as secretary of the Standards Development Organization Advisory Committee (SDOAC). Rae also coordinated the work of the SCC and Canada at a number of international committees and organizations. Prior to joining SCC, Rae worked as a telecom consultant and served as one of the principals for 13 years in Certelecom Laboratories Inc., a major testing laboratory in the telecom, IT and wireless product area.

Rae holds a Bachelors of Commerce degree from Carleton University. Currently, he is Chair of the Standards Council of Canada's Standards Development Organization Advisory Committee (SDOAC), member of the SCC's Consumer and Public Interest Panel and the Standards Development Organization representative on the Canadian Commission on Building and Fire Codes (CCBFC) and the SCC's Consumer and Public Interest Committee. He is also a member of the National Public Safety Advisory Council and is the chair of an ISO TMB TAG committee and ISO Project Committee 245 (Standard for Cross Border Trade of Second Hand Goods). He currently holds the position of Director, Standards Department, ULC Standards and Director, Government Relations Office and Regulatory Affairs, Underwriters Laboratories of Canada.

Jeff Gould, Senior Engineering Specialist

FM Approvals

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Jeff is a Senior Engineering Specialist in the Materials Group of FM Approvals. Jeff has been with FM Approvals for over 23 years in various engineering and managerial capacities. He represents FM Approvals on a number of technical committees including NFPA committees and other various code bodies. He has also been involved with the research and development of a number of test methods and standards that are used to assess products destined to become FM Approved. Jeff has been involved in the development of the FM 4991, Standard for the Approval of Firestop Contractors program from its inception and worked closely with the industry in developing the Approval Standard.

Jeff has a BS in Civil Engineering from Southeastern Massachusetts University (now UMASS – Dartmouth) and is a Registered Professional Engineer in the Commonwealth of Massachusetts.

John W. Hurley, National Sales Manager, Canada

Specified Technologies Inc.

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John has been STI's National Sales Manager responsible for Canada as well for Alaska, Hawaii, Phillipines, Guam and Micronesia since 2010. Prior to that, he was the Regional Manager for Canada and the Western United States, increasing his geographic area of responsibility since becoming Western Regional Manager in 1995. Prior to STI, he worked for John Latta Associates as an Account Manager.

John's areas of interest are:

- Developing a Management Approach for controlling penetrations in smoke and fire barriers
- Taking Proactive Control of Penetrations I Smoke Walls and Fire Barries
- Monitoring trends in barrier performance improvements for the Life-Safety Committee
- High-traffic openings in smoke and fire barriers; how to insure life-safety despite endless cable change
- Developing permit programs that work (ie. Work performed above ceiling grid and in confined space
- Penetrations in smoke and fire barriers; what the codes require and how to insure compliance

John has facilitated over 20 Firestopping and Life Safety presentations since 2001. He graduated from Pacific Lutheran University, WA in 1990 with a Bachelor of Arts degree.

Ahmed Kashef, Acting Director, Fire Research

**National Research Council Canada
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Dr. Kashef is the Acting Director, Research and Development of Fire Safety at the National Research Council of Canada. He holds a Ph.D. in Civil Engineering and has more than 20 years research and practical experience.

Dr. Kashef's expertise involves applying numerical and experimental techniques in a wide range of engineering applications including fire risk analysis, fire dynamics, tenability, heat transfer and smoke transport in the built environment and transportation systems. He has authored and co-authored more than 200 publications. He is the chair of ASHRAE TC 5.6, "Fire and Smoke Control", and the chair of the research sub-program of TC 5.9, "Enclosed Vehicular Facilities". Dr. Kashef is a Registered Professional Engineer in the Province of Ontario, and a principal member of the Technical Committee NFPA 502 Standard for "Road Tunnel, Bridges and other Limited Access Highways". He is a member of the World Road Association (PIARC) TC 3 "Road Tunnel Operations".

Bill McHugh, Executive Director

**Firestop Contractors International Association
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Bill has been Executive Director of the Firestop Contractors International Association since its inception in 1998 and continues full time as its Executive Director. He has a background in the construction industry participating in the Effective Compartmentation, Firestopping, Roofing and Waterproofing industries in manufacturing, consulting, distribution and contracting, both nationally and internationally since 1981.

He is active in the Building and Fire Code Development process at NFPA, International Code Council (ICC), the State of IL and the City of Chicago. At NFPA, he is a member of the Fire Protection Features Committee and has participated in the NFPA Fire Protection Research Foundation's Research on Smoke Barriers. He is a member of the 2015 ICC Fire Safety Committee and was a member of the ICC Ad-Hoc Committee on Terrorism Resistant Buildings. He has served on the ICC Code Technology Committee Vertical Openings Study Group. Bill is also a member of the International Accreditation Services Board of Directors.

At ASTM, Bill chairs the ASTM E06.21 task group that manages the ASTM E 2174 and ASTM E 2393 On Site Firestop Inspection Standards. He participates at Underwriters Laboratories, Inc. (UL) Standards Technical Panels and monitors international standards activities. Bill is principal author of and works with the committee that maintains the FCIA Firestop Manual of Practice. He has been published in leading journals including Engineering News Record, the Construction Specifier, Construction Canada and is publisher and editor of the *Life Safety Digest*. He holds an MBA from Western Illinois University.

Betsy Titus, Program Development Manager

Underwriters Laboratories, Inc.

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Betsy is Program Development Manager for the Building Materials, Life Safety & Security Sector of UL LLC. In this role, Betsy identifies new opportunities for UL and develops those opportunities into services that provide value to UL's customers and its stakeholders that include authorities, building owners, architects, contractors, insurance organizations, retailers and the general public. Her role and responsibilities also include growing UL's business globally through analysis of business environment and opportunities in Asia, Europe, Middle East and Latin America, development of business plans and implementation of plans through partnerships with UL's management and staff business partners worldwide.

Betsy began her 20+ year career at UL as a project engineer testing and certifying a variety of products for fire safety. Her technical career at UL expanded to include large-scale fire testing in UL's state-of-the-art fire test facility to address sprinklered warehouse fire protection. In 1992, Betsy transitioned from a technical role at UL to a business role in which she had the opportunity to lead teams responsible for establishing UL facilities worldwide, developing partnerships worldwide and developing new services to expand UL's service offerings. Betsy graduated from Valparaiso University with a Bachelor of Science in Civil Engineering.

FCIA 2013 DIIM CANADA EDUCATIONAL SYMPOSIUM ATTENDEES

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FCIA DIIM Educational Symposium

~ Notes ~

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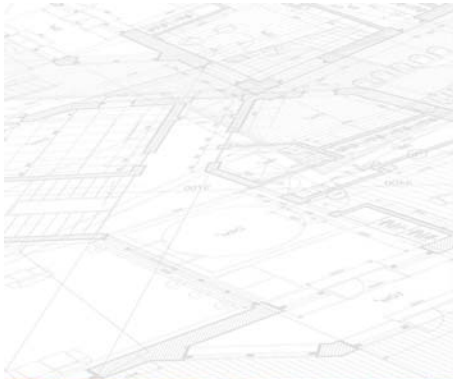


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