

# Barrier Management Symposium

## **Produced by**

The Joint Commission  
American Society of Healthcare Engineers  
Underwriters Laboratories  
Firestop Contractors International Association

## **Hosted By:**

ASHE Region 3



**Wellmont Bristol Regional Medical Center  
Monarch Auditorium  
1 Medical Park Blvd ~ Bristol, TN  
November 16 & 17, 2015**

# **Barrier Management Symposium Agenda Wellmont Bristol Regional Medical Center November 16 & 17, 2015 Produced by The Joint Commission, ASHE, UL & FCIA**

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The Joint Commission (TJC), the American Society of Healthcare Engineers' (ASHE), Underwriters Laboratories (UL) and the Firestop Contractors International Association (FCIA) welcome you to a comprehensive and informative new symposium for healthcare engineering and healthcare professionals.

Fire and Smoke Barriers installed in buildings are living elements of the structure. They are there to protect healthcare building occupants and used for horizontal evacuation of areas to fire or smoke resistant zones. These barriers and their 'features' form Effective Compartmentation. Fire and Smoke Barrier Management Systems in building design and operations is critical to maximize property protection, minimize death and injury and facilitate entry and travel in structures for emergency responders.

This Barrier Management Symposium focuses on the Proper DIIM – Design, Installation, Inspection and Maintenance of Fire and Smoke Barriers that make Effective Compartmentation in Healthcare Facilities work at the time they are called upon by fire and smoke.

The program educates about testing that qualifies the products for use, code requirements, installation and inspection, then management and maintenance for ongoing reliability of the installed fire resistance rated and smoke resistant products. These products become SYSTEMS when they are properly 'DIIM'd. Video presentations and an explanation of how each design element is tested to assess compliance with standard and code requirements in addition to the technologies are all included in this Symposium.

The Symposium is designed to increase the awareness of the Healthcare Engineering Professional of the value Barrier Management Systems have while understanding the underlying keys to their long term success.

Information gained from this symposium will allow you to:

- **Focus** - on technologies that have protected buildings for centuries.
- **Manage** – Manage the product and system evaluation, installation, inspection and maintenance of fire and smoke barrier components as a complete system. These systems are integrated to work together providing reliable building safety.
- **Improve** – the built environment for the healthcare facility that demand the best in fire and life safety through effective compartmentation.
- **Increase** - knowledge about how to purchase, evaluate and manage all effective compartmentation technologies

**Barrier Management Symposium – DRAFT AGENDA**  
**Wellmont Bristol Regional Medical Center**  
**Monarch Auditorium - 1 Medical Park Blvd - Bristol, TN**  
**November 16 & 17, 2015**

Casual Dress

	<b>Topic</b>	<b>Speaker</b>
<b>Nov. 16</b>	<b>MONDAY</b>	
1:00 pm – 1:30 pm	Welcome & Remarks	▪ <b>ASHE Region, Jonathan Flannery, ASHE Advocacy Bill McHugh, FCIA</b>
1:30 pm – 1:45 pm	TJC Perspective 'Systems'	▪ <b>Anne Guglielmo, The Joint Commission</b>
1:45pm - 2:45pm	Barrier Fundamentals & Systems	▪ <b>Lennon Peake, Koffel Associates, Representing FCIA</b>
2:45 pm – 3:00 pm	BREAK	
3:00 pm – 4:00 pm	Testing for Fire Resistance and Smoke Resistant Systems	▪ <b>Rich Walke, UL – testing &amp; certification of all components of fire resistance rated assemblies including wall, ceiling and features for Fire &amp; Smoke Barrier Continuity</b>
4:00 pm – 4:45 pm	Gypsum Fire Resistance	▪ <b>Gypsum Industry - USG Corp.</b>
4:45 pm – 5:00 pm	BREAK	
5:00 pm – 5:30 pm	Concrete & Masonry	<b>Rich Walke, UL – Fire Resistance Rated Assemblies and tested systems from directories, equivalent thicknesses from the International Building Code.</b>
<b>April 15</b>	<b>TUESDAY</b>	
9:00 am – 9:15 am	Welcome & Announcements	
9:15 am – 10:30 am	Firestopping – Penetrations and Joints	▪ <b>Firestop Industry - Bill McHugh, Firestop Contractors International Association</b>
10:30 am – 10:45 am	BREAK	
10:45 am – 12:00 pm	Swinging Fire Doors & Hardware	▪ <b>Swinging Door Industry - Paul Baillargeon, Door and Hardware Institute's Door Safety &amp; Security Foundation</b>
12:00 pm – 1:00 pm	LUNCH	
1:00 pm – 2:00 pm	Fire & Smoke Dampers	▪ <b>Fire and Smoke Damper Industry - Marc Sorge, GREENHECK, Inc.</b>
2:00 pm – 2:15 pm	BREAK	
2:15 pm – 3:00 pm	Fire Rated Glazing	▪ <b>Fire Rated Glazing Industry – Tim Donaldson, Technical Glass Products</b>
3:00 pm – 3:45 pm	Barrier Management Systems Options	▪ <b>Anne Guglielmo, The Joint Commission Bill McHugh, FCIA</b>
3:45 pm – 4:00: pm	Barrier Management Symposium Wrap-up	▪ <b>ASHE Region, Jonathan Flannery, ASHE Bill McHugh, FCIA</b>

**Barrier Management Symposium – DRAFT BIOS**  
**November 16 & 17, 2015**  
*Presenter Biographies, in alphabetical order*

**Paul Baillargeon, Door Hardware Institute (DHI) Door Safety & Security Foundation**

A noted veteran in the door and hardware industry, Paul is a certified Architectural Hardware Consultant and Fire Door Assembly Inspector. He has been involved in the distribution and installation of doors and hardware since 1970 and has been an instructor in the DHI Education Program and member of the DHI Education Council.

*Paul Baillargeon, DHI*  
*14150 Newbrook Dr., Suite 200, Chantilly, VA 20151*  
*T: 703-222-2010 ~ [www.dhi.org](http://www.dhi.org)*

**Jonathan Flannery, American Society of Healthcare Engineers (ASHE)**

Jonathan is a Certified Healthcare Facility Manager and a Fellow of the American Society for Healthcare Engineering. He is currently the Senior Associate Director of Advocacy for the American Society for Healthcare Engineering (ASHE) of the American Hospital Association playing a key role in ASHE's advocacy program, which works for better codes and standards affecting health care facilities.

Jonathan has more than 26 years of health care engineering experience, is a longtime ASHE member and continues to serve as part of ASHE's educational faculty. Jonathan began his health care engineering experience working as an architectural technician for the Carl T. Hayden Veterans Affairs Medical Center in Phoenix, AZ, where he learned the complexities of health care construction and project management. He was promoted to supervisor of maintenance and operations at the same facility, giving him the unique opportunity to see the challenging differences between design and construction and facility operations and maintenance. Jonathan has also worked as the facility manager and acting Administrative Officer of the Gallup Indian Medical Center, Indian Health Service and most recently as the Executive Director of Engineering and Operations at the University of Arkansas for Medical Sciences (UAMS) in Little Rock, Ark. Jonathan completed a Master of Health Services Administration from the UAMS.

He serves on national panels and committees that develop regulations for the design and construction of health care facilities. Mr. Flannery has served on the International Code Council's Ad Hoc Committee on Healthcare, which is working to update and unify codes and standards affecting health care facilities and has been appointed to the ASHRAE Standing Standard Project Committee 170 (SSPC 170) Ventilation of Health Care Facilities, ASHRAE SSPC 189.3 Design, Construction & Operation of Sustainable High Performance Health Care Facilities and the ASTM International Technical Advisory Committee for Building Enclosure Commissioning certification program

*Jonathan Flannery, American Society of Healthcare Engineers (ASHE)*  
*155 N. Wacker Dr., Suite 400, Chicago, IL 60606*  
*T: 312-422-3825 ~ Email: [jflannery@aha.org](mailto:jflannery@aha.org) ~ [www.ashe.org](http://www.ashe.org)*

## **Anne M. Guglielmo, CFPS, CHFM, CHSP, LEED A.P.**

### **The Joint Commission**

Anne is an Engineer in the Department of Engineering at The Joint Commission. She serves as one of the five engineers providing support for the Life Safety, Environment of Care and Emergency Management standards. In this role, she provides interpretation of standards, reviews, equivalency and extension requests, reviews survey reports, conducts Intracycle Monitoring calls, serves as faculty for educational programs and conducts on-site surveys.

She joined The Joint Commission in 2010 with ten years experience in Fire Protection Engineering. Prior to joining The Joint Commission, she worked as a Fire Protection Engineer in the Design and Construction Industry reviewing plans for fire protection and life safety code compliance, design review field survey and documentation, preparing and presenting project submittals, energy code compliance modeling and project equivalency identification and preparation.

Anne is a Certified Fire Protection Specialist (CFPS), a Certified Healthcare Facility Manager (CHFM), a Certified Healthcare Safety Professional (CHSP) and a Leadership in Energy Design Accredited Professional (LEED A.P.). She is also a member of NFPA, ASHE, SFPE, ICC and the Technical Committee for NFPA 80, 101 and 101A. She received her Bachelor's of Science degree in Civil Engineering, specialized in Fire and Life Safety Engineering, from the Illinois Institute of Technology in Chicago, Illinois.

*Anne M. Guglielmo, Engineer, Dept. of Engineering, The Joint Commission  
One Renaissance Blvd., Oakbrook Terrace, IL 60181  
T: 630-792-5900, option #3 ~ Email: [aguglielmo@jointcommission.org](mailto:aguglielmo@jointcommission.org) ~  
[www.jointcommission.org](http://www.jointcommission.org)*

## **Lennon Peake**

### **Koffel Associates, Inc.**

Lennon Peake is a manager of Koffel Associates, a fire protection engineering and code consulting firm headquartered in Columbia, Maryland. He has extensive experience in health care occupancy code requirements and licensure and accreditation surveys. He serves as and ASHE Code Advocacy Liaison, subject matter expert for Just Ask ASHE and represents ASHE on the NFPA 10 *Standard for Portable Fire Extinguishers* committee.

*Lennon Peake, Koffel Associates, Inc.  
8815 Centre Park Dr., Suite 200, Columbia, MD 21045-2107  
T: 410-750-2246 ~ F: 410-750-2588 ~ Email: [lpeake@koffel.com](mailto:lpeake@koffel.com)*

**Bill McHugh, Executive Director**  
**Firestop Contractors International Association (FCIA)**

Bill has served as Executive Director of the FCIA since its inception in 1998. FCIA promotes the proper design, installation, inspection and maintenance of firestopping and effective compartmentation through UL's Qualified Firestop Contractor Program & FM 4991 Approval of Firestop Contractors, ASTM E 2174 / ASTM E 2393 Standards for the Inspection of Firestop Penetration and Joint Systems, IAS AC 291 Accredited Firestop Special Inspection Agencies, Maintenance to International Fire Code and NFPA 101 and FCIA's Firestop Manual of Practice.

Bill has spoken about firestopping and effective compartmentation in North America and the Middle East to ASHE Chapters, Construction Specifications Institute, Construction Specifications Canada, International Code Council, NFPA, building/fire code officials and many other groups. He has written numerous articles for and is publisher of FCIA's Life Safety Digest Magazine. His work has also been published in The Construction Specifier, Construction Specifications Canada, the Association of Licensed Architects, Maintenance Solutions, and other leading journals. He is publisher of Life Safety Digest, the magazine of Effective Compartmentation. Bill is a past Institute Director to the Board of Directors of the Construction Specifications Institute (CSI), participates at ASTM as a task group chair, serves on the International Accreditation Services Board of Directors and is active at the International Code Council Code Development Process and at NFPA on the Fire Protection Features Committee.

*Bill McHugh, FCIA Executive Director*  
*4415 W. Harrison St., #436, Hillside, IL 60162*  
*T: 708-202-1108 ~ Email: [bill@fcia.org](mailto:bill@fcia.org) ~ [www.fcia.org](http://www.fcia.org)*

**Tim Donaldson, Technical Glass Products**  
**Fire Rated Glazing Systems**

Tim Donaldson is the Mid Atlantic Territory Manager for Technical Glass Products, a pioneer and leader in the fire rated glazing and framing industry. Tim helps to educate architects about the possibilities and limitations of fire rated glazing. He also helps them identify and specify appropriate materials and systems that achieve the required fire and human impact ratings. Tim also assists glaziers, general contractors and building owners with budgeting for projects that are impacted by fire rated conditions.

*Tim Donaldson*  
*Mid Atlantic Territory Account Manager, Technical Glass Products, Inc.*  
*8107 Bracken Place SE, Snoqualmie, WA 98065*  
*T: 571.225.1559 - Email: [tim.donaldson@fireglass.com](mailto:tim.donaldson@fireglass.com) - [www.fireglass.com](http://www.fireglass.com)*

## **Nestor Sanchez, USG Corporation**

### **Fire Rated Walls, Ceilings, Floor/Ceiling Assemblies**

Nestor has been with USG Corp. since 1994. His area of expertise at USG includes the evaluation of products and systems regarding their performance under fire conditions. This includes evaluation of USG Products and systems through testing and analysis in accordance with ASTM E84, E119, E136, and E814, UL 2079 and International Standards. Specific evaluations include the surface burning characteristics and combustibility of interior finishes, and the fire resistance of walls, floor and roof-ceiling assemblies, beams, columns, through penetration fire stop systems, construction joint and curtain wall systems.

Recently, Nestor has been a regular attendee at the International Code Council Building and Fire Code Development Hearings. He is also very active at ICC's Evaluation Services. Over the past several years, he has been relied upon by contractors, architects and building officials in matters related to fire and sound with USG Products. Prior to USG, he served in various roles at Underwriters Laboratories, Inc. since 1978, attaining Engineering Group Leader positions. He has a BS in Civil Engineering from Universidad de los Andes, Bogota, Columbia and an MBA from Lake Forest School of Management.

*Nestor G. Sanchez, Sr. Manager, Building Science, USG Corporation  
550 W. Adams St., Chicago, IL 60661  
T: 312-436-5589 ~ Email: nsanchez@usg.com ~ www.usg.com*

## **Marc Sorge, Damper Products - Greenheck Fan Corporation**

Marc is the product manager for the Dampers business unit at Greenheck. He is a member of ASHRAE, AHRI, NFPA, and AMCA. Marc has over 14 years of experience in sales, marketing, and application at Greenheck.

He began his career working with Energy Recovery, Make Up Air and Industrial Space Heating Industries focusing on energy efficient products and systems. Currently Marc's responsibilities include managing the life safety damper product line along with supporting Greenheck's mechanical representative distribution network.

*Marc Sorge, Greenheck Fan Corporation  
PO Box 410, 400 Ross Ave., Schofield, WI 54776  
T: 715-692-6713 ~ Email: marc.sorge@greenheck.com ~ www.greenheck.com*

## **Richard N. Walke, Regulatory Services, UL LLC**

Rich is a Senior Regulatory Engineer with the Regulatory Services Department of UL, LLC. (UL) in Northbrook, IL. He has been engaged in engineering, research for 35+ years.

Prior to assuming responsibility in the Regulatory Services Department, he was responsible for fire protection services provided to the architectural and contracting communities. This included responding to day to day inquiries, providing engineering judgments, providing educational seminars, developing internet based training programs, and improving the format of information contained in the UL Directories and website.

Prior to assuming responsibility for the architectural services area, Mr. Walke provided the supervisory and review activities of engineering investigations conducted on fire resistive construction, through-penetration firestop systems, joint systems, fire resistive electrical outlet boxes, electrical circuit protections systems, fire resistive grease and air ducts systems, interior finish building materials, air duct materials and solid fuel heating appliances.

Prior to undertaking supervisory positions, Mr. Walke was actively involved in the conduct of engineering investigations on interior finish building materials, electrical cable, air duct materials and solid fuel appliances.

Rich received a Bachelor of Science Degree in Civil Engineering from Valparaiso University in 1976. He is currently a Certified Quality Engineering with the American Society for Quality Control and a UL LLC 'Distinguished Member of Technical Staff'.

*Rich Walke, Sr. Regulatory Engineer  
UL Regulatory Services - UL LLC  
333 Pfingsten Rd., Northbrook, IL 60062  
T: 847-664-3084 ~ Email: Richard.N.Walke@ul.com ~ www.ul.com*



**~ BARRIER MANAGEMENT SYMPOSIUM NOTES ~**

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