

TECHNICAL SYMPOSIUM

SCHEDULE AND PRESENTATIONS

SFPE GREATER ATLANTA FIRE SAFETY CONFERENCE | MARCH 14-15, 2017

ABOUT THE TECHNICAL SYMPOSIUM Tuesday, March 14, 2017, 8:30 a.m. to 4:30 p.m.

DISCOVER NEW TRENDS, TECHNOLOGY, AND APPLICATIONS! Don't miss the *new and improved* Technical Symposium at the 2017 SFPE Greater Atlanta Fire Safety Conference!

What is different this year? The conference planning committee carefully selected speakers and topics from an application process. The result is more timely and relevant programs on fire protection technology with specific learning outcomes. Speakers will share new trends, case studies, advancements in technology, new or unique applications for existing technology, and much more!

SCHEDULE AT A GLANCE

TECHNICAL SYMPOSIUM SCHEDULE

<i>Welcome & Introduction</i>	8:30 a.m. to 8:35 a.m.
1 Surge Protection for Fire Alarms and Meeting NFPA 72-2013 Jason Klein, DITEK Surge Protection	8:35 a.m. to 9:25 a.m.
<i>10 Minute Break</i>	
2 Carbon Dioxide Fire Protection Systems: The Past and The Future Fred Hildebrandt, Janus Fire Systems	9:35 a.m. to 10:25 a.m.
<i>15 Minute Break</i>	
3 Enhancements in Flexible Sprinkler Drop Technologies Jack Carbone, Victaulic	10:40 a.m. to 11:30 a.m.
<i>Lunch</i>	11:30 a.m. to 1:30 p.m.
4 The Latest in Advanced Detection David Allen, XTRALIS, now part of HONEYWELL	1:30 p.m. to 2:20 p.m.
<i>15 Minute Break</i>	
5 A Case Study in Advanced Delivery of Suppression Agent Joseph Ciol, Kidde Fire Systems	2:35 p.m. to 3:25 p.m.
<i>15 Minute Break</i>	
6 The End of the ESFR Era Steve Wolin, The Reliable Automatic Sprinkler Co.	3:40 p.m. to 4:30 p.m.



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SCHEDULE AND TOPICS

PRESENTATION 1

Surge Protection for Fire Alarms and Meeting NFPA 72-2013

8:35 a.m. to 9:25 a.m.

Jason Klein

DITEK Surge Protection

This program will focus on proper design of surge protection to meet Code, as well as AC circuits, with focus on proper installation and inspection. More times than not, Surge Protection Devices are incorrectly installed in the field, yet they pass all inspections.

Learning objectives:

- Learn to design surge protection into systems so that they will properly function based on response time
- Learn what information should be included on the plans to comply with NFPA 72-2013
- Discover the differences in technology and their different modes of failure and supervision

PRESENTATION 2

Carbon Dioxide Fire Protection Systems: The Past and The Future

9:35 a.m. to 10:25 a.m.

Fred Hildebrandt

Janus Fire Systems

Explore the traditional uses of Carbon Dioxide Systems, review NFPA 12 requirements, learn about safety upgrades for existing systems and discuss the viability of CO₂ Extinguishing Systems.

Learning objectives:

- Identify hazard areas typically protected by CO₂
- Develop an in depth understanding of NFPA 12
- Learn about safety devices that reduce hazards to personnel



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SCHEDULE AND TOPICS *(continued)*

PRESENTATION 3

Enhancements in Flexible Sprinkler Drop Technologies

10:40 a.m. to 11:30 a.m.

Jack Carbone

Victaulic

This program will cover new technologies in flexible sprinkler drops. New in 2016: dry flexible sprinkler drops, new hosing for wet systems, freezer and cooler applications, as well as new attachment options and bracketry. In depth discussion regarding dry sprinkler options, issues and new protection solutions.

Learning objectives:

- Learn new product technologies introduced in recent years
- Review proper installation technique and what to look for during jobsite inspections
- Learn about new dry sprinkler technology, protection concerns and solutions

PRESENTATION 4

The Latest in Advanced Detection

1:30 p.m. to 2:20 p.m.

David Allen

XTRALIS, now part of HONEYWELL

Smoke detection is a challenge when a high density of spot detectors is required, detectors are in areas that are difficult to access, false alarms are costly, and when disruption to occupants is not an option. In this session, we will discuss solutions to overcome these challenges with new addressable air sampling technology. We will also demonstrate how enhanced analytics can identify other threats in the environment, allowing for fast and actionable response.

Learning objectives:

- Learn how air sampling can be less expensive and displace spot detection
- Discover the additional benefits of detection analytics
- Overcome obstacles of beam detection reliability



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SCHEDULE AND TOPICS *(continued)*

PRESENTATION 5

A Case Study in Advanced Delivery of Suppression Agent

2:35 p.m. to 3:25 p.m.

Joseph Ciol
Kidde Fire Systems

Distances can be a huge challenge in clean agent suppression. The typical suppression system hardware set was unable to deliver the agent within the prescribed 10-second time at one of the world's largest combined power and desalination plants. This case study discusses the agent delivery methods that Kidde engineers deployed to successfully overcome this obstacle.

Learning objectives:

- Learn how distances can be overcome with the right hardware
- Discuss pipe considerations
- Discover how project cost objectives can be met

PRESENTATION 6

The End of the ESFR Era

3:40 p.m. to 4:30 p.m.

Steve Wolin
The Reliable Automatic Sprinkler Co.

ESFR sprinklers have dominated storage sprinkler protection for over two decades. Changes in storage arrangements and sprinkler technologies have resulted in the development of storage protection options beyond ESFR sprinklers. The presentation will discuss the impact of these developments on engineers and their clients.

Learning objectives:

- Evaluate the application and limitations of ESFR sprinklers
- Analyze new sprinkler technologies for storage protection
- Select cost effective sprinkler protection options for various commodities and storage configurations

