

TECHNOLOGY SYMPOSIUM

SCHEDULE AND PRESENTATIONS

SFPE GREATER ATLANTA FIRE SAFETY CONFERENCE | MARCH 12-13-2019

ABOUT THE TECHNOLOGY SYMPOSIUM **Tuesday, March 12, 2019, 8:30 a.m. to 4:30 p.m.**

DISCOVER NEW TRENDS, TECHNOLOGY, AND APPLICATIONS! Don't miss the Technology Symposium at the 2019 SFPE Greater Atlanta Fire Safety Conference!

The conference planning committee carefully selected the following speakers and topics from an application process. We hope you will find these topics timely and relevant. Each program has very specific learning outcomes (see page 2). In general, speakers share new trends, case studies, advancements in technology and new or unique applications for existing technologies.

SCHEDULE AT A GLANCE

Welcome & Introduction	8:30 a.m. to 8:35 a.m.
Ice Plug Prevention in Sprinkler Systems for Cold Storage Lucas Kirn, PE, Engineered Corrosion Solutions	8:35 a.m. to 9:35 a.m.
Break—10 Minutes	9:35 a.m. to 9:45 a.m.
Engineered Dry Chemical: Redefining a Valued Fire Protection Product Fred Hildebrandt, Janus Fire Systems	9:45 a.m. to 10:45 a.m.
Break—10 Minutes	10:45 a.m. to 10:55 a.m.
Addressable Notification Design and Capabilities Elizabeth Schoonman, JCI	10:55 a.m. to 11:55 a.m.
Lunch	12:00 p.m. to 1:30 p.m.
Better Understanding NFPA 22 Water Tanks and Limiting Your Potential Liability Kai Langendoen, Water Storage Tanks, Inc.	1:40 p.m. to 2:40 p.m.
Break—15 Minutes	2:40 p.m. to 2:55 p.m.
An Overview of Fire Proofing Structural Steel Brett Littlefield, CFPS, Hilti North America	2:55 p.m. to 3:55 p.m.
Closing Comments	3:55 p.m. to 4:00 p.m.
Visit the Exhibitor Booths!	4:00 p.m. to 4:30 p.m.

**PLEASE JOIN US AT THE WELCOME RECEPTION
FOLLOWING THIS PROGRAM**



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PROGRAM DETAILS

Ice Plug Prevention in Sprinkler Systems for Cold Storage

Lucas Kirn, PE, Vice President of Sales, Engineered Corrosion Solutions

Review industry guidelines, current technologies, and best practices related to eliminating ice and frost from fire sprinkler systems protecting cold storage applications. We will also review an ongoing case study comparing current technologies and their effectiveness at preventing ice plugs and frost accumulation.

Learning Objectives:

1. Describe mechanics of dry chem as an extinguishing medium
2. General overview of components
3. Identify hazards where it may be applicable

Engineered Dry Chemical: Redefining a Valued Fire Protection Product

Fred Hildebrandt, Director of Sales, Janus Fire Systems

Introduction of an engineered approach to dry chemical using software for piping, layout and nozzle selection

Learning Objectives:

1. Describe mechanics of dry chem as an extinguishing medium
2. General overview of components
3. Identify hazards where it may be applicable

Addressable Notification Design and Capabilities

Elizabeth Schoonman, Business Development Manager, JCI

Overview of intelligent, fully addressable notification appliances that have constant electronic supervision of and self-testing capability. These devices also allow for unique and innovative design capabilities and include individually controllable audio for targeted emergency messaging

Learning Objectives:

1. Understand addressable notification system design
2. Learn about the self-test features and capabilities
3. See how targeted audio and video messaging can be assigned to specific notification appliances



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PROGRAM DETAILS *(continued)*

Better Understanding NFPA 22 Water Tanks and Limiting Your Potential Liability

Kai Langendoen, President, Water Storage Tanks, Inc.

NFPA 22 (Standard for Water Tanks for Private Fire Protection) water tanks are increasingly being specified as a viable solution for fire protection in high growth areas outside of normal infrastructure boundaries. Understanding what components are required for these tanks and ensuring they are properly designed and engineered will mitigate the liability of the designing engineer and AHJ. This session will review NFPA-22 design standards, proper sizing according to NFPA-1142, and common "gotchas" AHJ's should be aware of when reviewing plans and doing final system inspections. It is also important for the AHJ to recognize what flexibility is offered under the standard, especially if incorporating into local code. Having a better understanding will allow AHJ's to balance the needs of the property owner with their obligation to meet life safety concerns.

Learning Objectives:

Understand the "check list" of required items defined under the NFPA-22 standard
Feel confident in the ability to review a NFPA-22 tank submittal and provide proper feedback
To provide a baseline to incorporate the standard into local code.

An Overview of Fire Proofing Structural Steel

Brett Littlefield, CFPS, Fastening & Fire Protection Field Engineer, Hilti North America

Understand the different ways to protect structural steel including a discussion of intumescent steel, design parameters, premium aesthetics and IFRM installation.

Learning Objectives:

1. Understand methods used to protect structural steel
2. Understand how intumescent steel protection works, including factors critical to design
3. Understand components of fireproofing UL systems and design restrictions within them
4. Understand aesthetic considerations for intumescent steel protection
5. Identify correct installation and inspection procedures for intumescent steel fire protection

