

## EVENT SPONSORS



## Welcome to the 2018 NYC Technical Seminar



March 27, 2018

Thank you for participating in our Bi-Annual Technical Seminar. This event is one of our most popular, and best attended. The goal of this event is to keep our members updated on emerging trends in the industry and we hope to have done that with our full-day seminar.

For our new guests, and a reminder to our existing Members, the Society of Fire Protection Engineers is an international organization that was established in 1950. The Society currently has over 4,600 members and 92 chapters. The purpose of SFPE is to advance the science and practice of fire protection engineering and its allied fields, to maintain a high ethical standard among its members and to foster fire protection engineering education. Today's seminar is just one way that SFPE NY Metro can contribute to these goals.

We'd like to extend a special Thank You to FDNY for the use of the auditorium. We hope to continue to foster a partnership between these two organizations to ensure that New York City remains at the forefront of Fire Protection Industry Standards.

Proceeds from this event will be re-invested into the community/industry. Organizations who receive funding from SFPE NY Metro include: SFPE Education Foundation and FDNY Foundation.

Thanks for your support!

A handwritten signature in black ink that reads 'Cathleen Childers'.

Cathleen T. Childers, P.E.

## MORNING SESSION AGENDA

8:00 AM	Continental Breakfast sponsored by JENSEN HUGHES On-Site Registration
8:30 AM	Welcome & Introduction Cat Childers, SFPE NY Metro President
8:45 AM – 9:45 AM	<b>Tall Timber Construction</b> David Barber, Principal, Fire Protection Engineer Arup  This presentation introduces mass timber buildings and CLT. CLT is a building product that has over 30 years of use globally, but less than five years use in the US. Architects are starting to specify CLT for low, medium and high-rise buildings in the US. As a new product, there has been misinformation regarding CLT's behavior in fire, both positive and negative. Unless you are very familiar with the fire safety of mass timber, you may not have the tools and information needed to understand what is fact and what is a myth, regarding the fire performance.
10:00 AM – 11:00 AM	<b>Flexible Hoses</b> Larry Sander, Eastern Divisional Fire Protection Sales Manager Kevin Kelly, Codes & Standards Specialist Victaulic  Attendees of this course will be able to identify the various designs of flexible hoses and comprehend the important differences in how they perform, recognize and inspect properly installed flexible hoses, comprehend the hydraulic performance of flexible hoses, locate technical support information for flexible hoses, and comprehend why flexible hoses are an important component in fire safety.
11:15 AM – 12:15 PM	<b>Up and Over! Fire Engineering for Cantilever Buildings</b> Donald Havener, PE, Principal Fire Protection Engineer Cosentini Associates  This presentation will discuss the legal and logistical concepts of air-rights. Buildable ground lots are scarce in heavily developed cities, and design teams are utilizing undeveloped air rights over existing buildings. This presentation will discuss fire and life safety concerns for cantilever and over-build designs.

## AFTERNOON SESSION AGENDA

12:15 pm – 1:00 pm	Lunch sponsored by Victaulic
1:00 PM – 2:00 PM	<b>ARCS</b> Dick Woolf, Principal Consultant Xtech Systems  The objective of the session is to describe the purpose of the ARCS (Auxiliary Radio Communication System) and how the design achieves that purpose. Presentation will touch upon FDNY criteria vs. NFPA 1221 and IFC 510.
2:15 PM – 3:15 PM	<b>Becoming an Expert on Dry-Pipe and Preaction Sprinkler Systems</b> Steve Wolin, Vice President, Product Technology & Compliance Brandon Telford, Technical Services Manager Reliable Automatic Sprinkler Co.  The presentation will describe design considerations when specifying or reviewing dry-pipe and preaction sprinkler systems. It will include information on significant components of dry-pipe and preaction sprinkler systems. The operating mechanisms used for dry-pipe and deluge valves will be discussed. Attendees will learn to avoid the most common installation challenges with dry-pipe and preaction sprinkler systems and select the appropriate system for each application.
3:30 PM – 4:30 PM	<b>Performance-Based Design, A Case Study</b> Simon Goodhead, PE, Vice President of Strategy JENSEN HUGHES  Fire Safety Performance based design is often associated with fire modeling; however, with an ever evolving science, the application of engineering principals can be broader within the fire safety arena. This course will outline the permission granted to AHJs to allow Performance Based Design and outline both the SFPE structure, and propose a simplification of the process for the benefit of Authorities Having Jurisdiction. An outline of comparative analysis and the purpose and benefits of such an approach will be explored. Examples and case studies will be used to demonstrate the learning provided. Professional engineers will gain broader methods that enhance the levels of safety being provided in day to day engineering tasks through the use of comparative analysis.