



American Fire
Sprinkler Association

Fire Sprinkler Training Columbia, SC August 26-30, 2019



Obtain NICET-required Continuing Professional Development (CPD) credits and Continuing Education Units (CEU) for Deputy State Fire Marshal recertification in this seminar series hosted by the **South Carolina Fire Sprinkler Association** and presented by the **American Fire Sprinkler Association**.

LOCATION

Embassy Suites by Hilton Columbia Greystone
200 Stoneridge Drive • Columbia, SC 29210

Group Rate: \$139 + tax per night. See booking link on page 2.

Continuing Education Credits

0.1 CEU for each hour of instruction
1.0 NICET CPD for each hour of instruction*

Class Times: 9:00am – 4:30pm

Seminar Schedule and Registration Fees

Fees shown below are advance rates. Seminar rates listed are per day. If registering after **August 16**, add \$20 per day to rates shown below.

	AHJ	AFSA Member	NonMember
Monday, August 26	__ \$85	__ \$115	__ \$175
9:00 am – 11:00 am	Ambiguities in NFPA 13 (2016 Ed.)		
12:30 pm – 4:30 pm	Freeze Protection for Fire Protection Systems (2017 Ed.) Instructor: Ralph Foster, PE		
Tuesday, August 27	__ \$85	__ \$115	__ \$175
9:00 am – 11:00 am	NFPA 13 (2016 Ed.) Obstruction Rules Explained		
12:30 pm – 4:30 pm	Seismic Protection of Fire Sprinkler Systems (2016 Ed.) Instructor: Ralph Foster, PE		
Wednesday, August 28	__ \$85	__ \$115	__ \$175
9:00 am – 11:00 am	Fire Pump Acceptance & NFPA 25		
12:30 pm – 4:30 pm	NFPA 25 Step-by-Step Inspection & Testing (2017 Ed.) Instructor: Bob Caputo, CFPS, CET		
Thursday, August 29	__ \$85	__ \$115	__ \$175
9:00 am – 11:00 am	Customer Service & The NFPA 25 Inspector		
12:30 pm – 4:30 pm	NFPA 25 Stakeholder Roles & Responsibilities (2017 Ed.) Instructor: Bob Caputo, CFPS, CET		
You are invited to attend an SCFSA meeting at 5:00pm on Aug. 29 at the on-site Terrace Restaurant and Lounge.			
Friday, August 30	__ \$85	__ \$115	__ \$175
9:00 am – 11:00 am	When Non-Sprinkler Sections of IBC Affect Sprinkler Contractors		
12:30 pm – 4:30 pm	Technical Changes from the 2013 to 2016 Ed. of NFPA 13 Instructor: Ralph Foster, PE		

Pre-order your NFPA standards when you register and pick up on-site.

__ \$101/ea NFPA 13, 2019 Ed. __ \$101/ea NFPA 13, 2016 Ed. __ \$59/ea NFPA 25, 2017 Ed.

Send check payment to: AFSA • c/o Wells Fargo Bank • PO Box 200201 • Dallas, TX 75320-0201
Fax registration forms with payment info (on page 2) to AFSA at (214) 343-8898 or register online at www.firesprinkler.org/SC2019.

Classes subject to minimum registration. For more information contact Maricarmen Martinez.
mmartinez@firesprinkler.org • (214) 349-5965 x132



Fire Sprinkler Training Columbia, SC August 26-30, 2019



Registrant and Payment Information

Name _____

Company _____

Address _____

City/ST/Zip _____

Phone _____ Fax _____

Cell Phone (in case of emergency) _____

Email _____



*It's important that you provide each registrant's email address.
Don't forget to include page 1 with your seminar selections!*

Grand Total \$ _____

MasterCard/Visa/AMEX:

Exp. Date _____ Security Code (3 or 4 digit #) _____

Zip Code (associated with billing address) _____

Print Name _____

Signature _____

If you have any questions, contact Maricarmen Martinez.
mmartinez@firesprinkler.org • (214) 349-5965 x132

Seminar Descriptions

All participants are **strongly encouraged** to bring the applicable NFPA standard with you to class. The course will focus heavily on the standard and will reference numerous NFPA figures and tables. Images from the NFPA standards will rarely be made available to you by the instructor or in class materials. It is critical to bring the standard with you to class to refer to as the instructor leads.

Monday, Aug. 26 | 9:00 am – 11:00 am

Ambiguities in NFPA 13 (2016 Ed.)

There are criteria within NFPA 13 that leaves many wondering what is actually required. Whether it's a tortured sentence or simply poor directions, the contractor has to figure it out. For example, when the aisles between racks are too narrow, we are to treat it as a multiple row rack. What does that tell us regarding the placement of in-rack sprinklers? Other installation topics will include obstruction rules for CMSA, concealed spaces with TJIs, and floating clouds. A discussion on design topics will include when the definitions for commodity classification do not apply, going up the design curves, and the owner's certificate.

Required materials to bring: NFPA 13 (2016 Ed.)

2 Credit/Contact Hours; 2.0 CPDs (NICET); 0.2 CEUs

Monday, Aug. 26 | 12:30 pm – 4:30 pm

Freeze Protection for Fire Protection Systems (2017 Ed.)

This seminar provides a comprehensive review of the requirements for the protection against freezing for sprinkler systems, standpipe and hose systems, fire pumps, and water-storage tanks. Attendees will examine the requirements for when protection against freezing must be provided and the permissible means for addressing the issue including dry and preaction systems, antifreeze, heat tape, heaters, and insulation. Finally, attendees will review the requirements from NFPA 25 regarding the ongoing requirements for freeze protection.

Reference material: NFPA 13, 13R, 13D (2019 Eds.), NFPA 14 (2019 Ed.), NFPA 20 (2019 Ed.), NFPA 22 (2018 Ed.), NFPA 25 (2017 Ed.)

Required materials to bring: NFPA 13 (2019 Ed.), NFPA 25 (2017 Ed.)

4 Credit/Contact Hours: 4.0 CPDs (NICET); 0.4 CEUs

Tuesday, Aug. 27 | 9:00 am – 11:00 am

NFPA 13 (2016 Ed.) Obstruction Rules Explained

One of the biggest headaches for installers is dealing with field coordination of sprinkler obstructions. This session will look at the various obstruction rules in chapter 8 of NFPA 13 for spray sprinklers (Section 8.6). The program will outline where the various sprinkler rules should be applied, including the three times rule; and also define types of obstructions to better apply the standard. It is important to understand the nuances of the obstruction rules.

Required materials to bring: NFPA 13 (2016 Ed.)

2 Credit/Contact Hours; 2.0 CPDs (NICET); 0.2 CEUs

Tuesday, Aug. 27 | 12:30 pm – 4:30 pm

Seismic Protection of Fire Sprinkler Systems (2016 Ed.)

This seminar will provide attendees with an introductory knowledge of the items to be considered when providing protection for automatic sprinkler systems from damage as a result of seismic events, including allowable omissions, and basic information on all six elements for such protection as provided in NFPA 13. Attendees will be familiar with the definitions of various system components and locate the basic information on mandatory flexible couplings, seismic separation assemblies, clearance, sway bracing (lateral, longitudinal, and risers), restraint of branch lines, and modifications to hanger requirements in systems requiring seismic protection.

Required materials to bring: NFPA 13 (2016 Ed.), handheld calculator

4 Credit/Contact Hours: 4.0 CPDs (NICET); 0.4 CEUs

Wednesday, Aug. 28 | 9:00 am – 11:00 am

Fire Pump Acceptance & NFPA 25

Fire pumps are a critical part of an automatic sprinkler system. NFPA 20 and NFPA 25 provide requirements on the initial acceptance testing and periodic testing of this vital system component. This session will examine the difference between the acceptance test and the "post-occupancy" periodic tests. This program will look at answering important questions including how do I pretest my pump so that I pass my acceptance test with the AHJ and what are the different periodic tests I should be trained to execute.

Required materials to bring: NFPA 25 (2017 Ed.)

2 Credit/Contact Hours; 2.0 CPDs (NICET); 0.2 CEUs

Wednesday, Aug. 28 | 12:30 pm – 4:30 pm

NFPA 25 Step-by-Step Inspection & Testing (2017 Ed.)

This seminar provides a comprehensive look at the need for having defined procedures when conducting periodic inspections and tests per NFPA 25. Attendees review steps for preplanning inspections and tests to ensure that work is performed thoroughly and efficiently. Using the NFPA 25 Handbook as a guide, the session reviews procedures for inspecting sprinkler system components along with procedures for many common tests performed by inspectors. The session is designed to be interactive with attendees having the opportunity to discuss the various options for the complete and efficient inspection and testing of sprinkler and related systems. This seminar will benefit inspectors, contractors, AHJ, and property owners.

Required materials to bring: NFPA 25 (2017 Ed.)

4 Credit/Contact Hours; 4.0 CPDs (NICET); 0.4 CEUs

Thursday, Aug. 29 | 9:00 am – 11:00 am

Customer Service & The NFPA 25 Inspector

Great customer service leads to loyal customers, high prices, and more profit. Water-based fire system inspectors in many companies have more face-to-face interaction with customers than any other role. This seminar is designed to help employers and their inspectors deliver the very best customer service. It examines the basics of excellent customer service including topics such as physical appearance, manners, reviewing and scheduling scopes of work, effective communication including explaining customer responsibilities, effectively communicating the need to correct deficiencies, and resolving conflicts. This session also reviews use of safe work practices, plan and perform work with least interruption to a business, and how to deal with uncooperative customers.

Required materials to bring: NFPA 25 (2017 Ed.)

4 Credit/Contact Hours; 4.0 CPDs (NICET); 0.4 CEUs

Thursday, Aug. 29 | 12:30 pm – 4:30 pm

NFPA 25 Stakeholder Roles & Responsibilities (2017 Ed.)

This seminar reviews the roles and responsibilities of the property owner, AHJ, and service provider as spelled out in NFPA 25. A detailed review of the property owner's responsibilities as outlined in Chapter 4 are provided along with the required interaction of the AHJ and service provider. The seminar concludes by examining the needed characteristics of today's inspector along with their duties. This seminar benefits property owners, AHJs, contractors, and individual inspectors.

Required materials to bring: NFPA 25 (2017 Ed.)

Friday, Aug. 30 | 9:00 am – 11:00 am

When Non-Sprinkler Sections of IBC Affect Sprinkler Contractors

When doing design-build projects the sprinkler contractor is frequently acting as the fire protection consultant. Requirements in the IBC outside of Chapter 9, Fire Protection Systems, affect where and when sprinkler systems shall be required. This presentation will cover some of these issues and where the IBC overrides the requirements of NFPA 13. Basic requirements of firestopping when penetrating a fire barrier with sprinkler system equipment will also be covered.

Recommended materials to bring: International Building Code (2015 Ed.)

2 Credit/Contact Hours; 2.0 CPDs (NICET); 0.2 CEUs

Friday, Aug. 30 | 12:30 pm – 4:30 pm

Technical Changes from the 2013 to 2016 Ed. of NFPA 13

Being up to date and armed with the most current information can provide you and your company with a competitive edge. With more than 750 Public Inputs and 400+ Public Comments addressed by the NFPA 13 Committees during the 2016 edition code cycle, users of the document will want to see and hear about the significant changes that impact your everyday work practices. Upon completion of this seminar, the participant should be able to describe new and revised requirements for fire sprinkler system design and installation; discuss the impact of the changes in this edition of the standard on the bidding, design and installation processes and strategies; identify revised rules for ceiling cloud protection; as well as understand new and revised storage protection schemes including new criteria for exposed, expanded group A plastic in pallet racks. This seminar benefits contractors, engineers, layout technicians, and AHJs.

Required materials to bring: NFPA 13 (2016 Ed.)

4 Credit/Contact Hours; 4.0 CPDs (NICET); 0.4 CEUs

Speaker Biographies & Additional Information

Bob Caputo, CFPS, CET

Bob Caputo, CFPS, CET, is Vice President of Training and Technical Services of Fire & Life Safety America. Bob is a member of multiple NFPA technical committees including NFPA 13, 24 and NFPA 25. As a senior member of the NFPA and AFSA Faculties, Bob has presented seminars in most US States and in 14 countries. He is a regular speaker at the annual NFPA and AFSA conventions. He is a contributor to the NFPA 13 and NFPA 25 Handbooks. Bob attended the University of Albuquerque, NM and is a US Navy veteran and former volunteer Fire Fighter. In 1994, Bob was named Fire Prevention Officer of the Year in San Diego County, California and was the Fire Protection Contractor Magazine “Man of the Year” in 1997. The American Fire Sprinkler Association selected Bob for the “Henry S. Parmelee” award in 2017.

Ralph Foster, PE

Ralph Foster is the principal of Foster Engineering and Consulting and is a licensed Fire Protection Engineer. He earned his degree in Mechanical Engineering from the University of South Carolina. He worked for over 24 years in the public sector conducting inspections and life safety code analysis of buildings; analyzing active and passive fire suppression and detection systems; has extensive experience with Performance Based Design. He worked for the SC State Fire Marshal's Office for over 18 years where he served as a Staff Engineer, Chief Deputy State Fire Marshal, Manager of Engineering Services, and taught both state and national certification courses. In 2017, Ralph was made a Fellow of the Society of Fire Protection Engineers. He is active in the SC Fire Marshals Association, the Central Savannah River Chapter of the SFPE, and the SC Fire Sprinkler Contractors Association. He retired from the SC Army National Guard after serving for 28 years and resides in Columbia.

DIRECTIONS to the Embassy Suites by Hilton Columbia Greystone can be found here:

<https://goo.gl/maps/eaUtFM6Vkl52>

Booking Link for Embassy Suites by Hilton Columbia Greystone (Must copy and paste in web browser)

<http://embassysuites.hilton.com/en/es/groups/personalized/C/CAEGSES-FIR-20190825/index.jhtml>

*NICET

To find out if you can claim NICET CPD points for these courses, please review Section 2b of NICET's recertification policy here: <http://www.nicet.org/about-us/policies/policy30/>

CANCELATION POLICY

All cancellations must be made in writing on or before August 16, 2019 in order to receive a refund. **Cancellations after August 16, 2019 are not eligible for a refund.** You can submit your request to Maricarmen Martinez via email mmartinez@firesprinkler.org.