

# Continuing Education Seminars in Haw River, NC!

## Receive NICET Continuing Professional Development Credit

### November 11<sup>th</sup> – 15<sup>th</sup>, 2019

Get valuable Continuing Professional Development credits for NICET!  
Hosted by Umpire Technologies Group, Incorporated and presented by the AFSA Carolinas Chapter.

#### Location:

**Vailtree Event & Conference Center**  
**1567 Bakatsias Lane**  
**Haw River, NC 27258** (same location as last year)

**Classes Start At 9:00 AM Each Day.**

Anyone Arriving More Than 10 Minutes Late MAY NOT Be Admitted.

**Picture ID Required For Admission.**

#### Continuing Education Credits

**NICET – 1.0 CPD for each hour of instruction.**

**CLASS SIZE IS LIMITED. SIGN UP EARLY.**

**ALL SEMINARS INCLUDE A CATERED LUNCH.**

**Seminar Schedule and Registration Fee** (check your category, **Membership will be verified!!**):  
All fees shown below are ADVANCE rates. **If you pay at the door, add \$20 for LATE fees.**

		<u>AHJ</u>	<u>AFSA Member</u>	<u>Non-Member</u>
Mon .. 11/11/19:	<u>Understand/Apply NFPA 25</u>	___ \$85	___ \$135	___ \$235
Tue ... 11/12/19:	<u>Fire Pumps &amp; Controls</u>	___ \$85	___ \$135	___ \$235
Wed . 11/13/19:	<u>Dry &amp; Pre-Action Accessories</u>	___ \$85	___ \$135	___ \$235
Thu ... 11/14/19:	<u>NFPA 13R (2) &amp; Seismic (4)</u>	___ \$85	___ \$135	___ \$235
Fri .... 11/15/19:	<u>NFPA 13 Design Approaches</u>	___ \$85	___ \$135	___ \$235

**All courses provide NICET CPD credits! See the course descriptions on the second page!**  
**Additional registration forms may be downloaded at [www.afsacarolinaschapter.com](http://www.afsacarolinaschapter.com)**

The appropriate NFPA standard & a calculator are strongly suggested for all seminars and are the responsibility of the attendee.  
No standards will be available for purchase at the seminars.

If paying at the door, only cash or checks accepted – no credit cards. **Payment at the door will not guarantee a seat in class.**

**Please send check payment to:** Umpire Technologies Group, PO Box 459, Pleasant Garden, NC 27313  
Fax registration form with credit card information to Umpire Technologies Group at (336) 674-2976.  
**Registrations that are illegible or incomplete will be discarded. INCLUDE A VALID EMAIL ADDRESS FOR CONFIRMATION!**

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Home Phone (in case of emergency) \_\_\_\_\_

Email \_\_\_\_\_

NC License / PE / NICET Number \_\_\_\_\_

**Confirmation:** If your registration is received at least one day prior to the start of your seminar, you will receive an email confirmation.

Payment: Check: \_\_\_\_\_ MasterCard: \_\_\_\_\_ VISA \_\_\_\_\_

Amount Enclosed: \_\_\_\_\_

MasterCard / VISA # \_\_\_\_\_

Name on Card: \_\_\_\_\_

Exp. Date: \_\_\_\_\_ CV2 \_\_\_\_\_ (Back of card)

Card Holder Signature \_\_\_\_\_

Credit Card Payments – By signing above, the card holder agrees to pay the total amount according to the card issuer agreement.  
**A returned check or denied credit card payment forfeits your right to attend the seminars. No exceptions.**

<u>Day</u>	<u>Course Numbers</u>	<u>All Licensees &amp; NICET</u>
Monday 11/11/19 .....	03-540-019, 03-541-019, 03-542-019 .....	FS, IA, IC & NICET
Tuesday 11/12/19 .....	03-640-019, 03-641-019, 03-642-019 .....	FS, IA, IC & NICET
Wednesday 11/13/19 .....	03-740-019, 03-741-019, 03-742-019 .....	FS, IA, IC & NICET
Thursday 11/14/19 .....	03-840-019, 03-841-019, 03-842-019 .....	FS, IA, IC & NICET
Friday 11/15/19 .....	03-940-019, 03-941-019, 03-942-019 .....	FS, IA, IC & NICET

**NICET Credit:** All courses listed will provide 1.0 Continuing Professional Development credit for each contact hour. A contact hour is defined as the 45 - 60 minute period devoted to the learning effort. All seminars at this venue will provide 6.0 CPD credits for NICET.

#### **Monday – Understanding & Applying NFPA 25 \*\*\* NEW COURSE \*\*\* NEW INSTRUCTOR**

This full day seminar covers the requirements for properly maintaining a water-based fire protection system in accordance with NFPA 25. This program clearly explains the responsibilities for compliance & record keeping and clearly describes the specific scope of the standard. (What applies and what doesn't apply) It identifies the numerous ways in which information related to system changes are handled. It describes the various tables offered in the standard, their specific purposes, and when to use which tables. The attendees will be involved in a significant number of exercises to describe different problems normally encountered, identify the proper section(s) of the standard that addresses them, and discuss how to deal with issues not covered by the standard that may be discovered or encountered during an inspection.

#### **Tuesday – Fire Pumps & Controls \*\*\* NEW COURSE \*\*\* UPDATED MATERIAL**

This course will be an interactive experience designed to provide an understanding of all aspects of fire pumps and their applications. Basic definitions and general requirements will be covered in addition to the different types of pumps and controllers. An application/lab section will be utilized to provide exercises that will enhance the participant's knowledge of pump selection, sizing and optimization. Acceptance testing, annual testing and typical problems encountered in the field will also be discussed. This course will be taught by JM Pleasants Company.

#### **Wednesday – Dry & Pre-Action System Accessories \*\*\* NEW COURSE \*\*\* UPDATED MATERIAL**

**AM Session** - Ray Fremont Jr., Marketing Director for General Air Products will discuss any and all things having to do with the air supply for dry air pre-action sprinkler systems - Standard compressed air, dry air as a corrosion mitigation technology, the reality of Nitrogen - the good and the not so good. Air maintenance devices, pressure switches and other common air supply components will be reviewed in detail. Finally, Ray will review air supply system requirements per NFPA 13 and do a Q&A for any questions about filling dry and pre-action sprinkler systems with standard compressed air, dry air or nitrogen.

**PM Session** - Jim McHugh w/ AGF will discuss the recent code changes mandating Air Venting on all wet fire sprinkler systems. In addition to this he will be covering preventative steps for corrosion prevention and early warning devices available to indicate the presence of MIC or general corrosion. To support discussions on dry and pre-action based fire sprinkler systems Jim will also be talking about specialty valves and devices focused on moisture detection on all gas based systems.

#### **Thursday – NFPA 13R Updates (2 hours) & 2016 Seismic Updates (4 hours) \*\*\* NEW COURSE \*\*\* UPDATED MATERIAL**

**AM Session** - The discussion of NFPA 13R will contrast NFPA 13 and NFPA 13R and highlight critical differences and applications.

**PM Session** - Seismic design is required in many locations across the Carolinas and most Federal projects to meet anti-terrorism requirements. This segment is intended to familiarize the participant with the design and installation requirements in NFPA 13 for protection against damage from earthquakes. Some jurisdictions allow the use of a "newer" code, and 2016 versus 2013 edition will be discussed.

#### **Friday – NFPA 13, Chapter 8 & 11: Design Approaches \*\*\* NEW COURSE \*\*\* UPDATED MATERIAL**

This seminar will cover the design approaches described in NFPA 13, Chapters 8 & 11 and will highlight the advantages of each method. Classroom examples and exercises will be utilized to enhance the learning process and demonstrate proficiency.

#### **Instructor: Ray Vance (MONDAY)**

Ray Vance holds a NICET-IV certification in Fire Protection Engineering Technology-Automatic Sprinkler System Layout and is a licensed fire sprinkler contractor in several states, including NC. He has almost 35 years of experience in the fire protection industry including design, layout, inspections, sales, operations management, training and education. Ray is the owner of Fire Design Concepts, LLC, a fire protection systems design, consulting, training & education company (focusing on in-class training & free-lance design) with clients throughout the United States and is a certified NFPA and AFSA instructor.

#### **Instructor: Ralph Foster, III, P.E. (THURSDAY AND FRIDAY)**

Ralph is a licensed Fire Protection Engineer in multiple states. He earned his degree in Mechanical Engineering from the University of South Carolina and is an NFPA Certified Fire Inspector I and Certified Fire Plans Examiner. He worked for 21 years in the public sector conducting inspections and life safety code analysis of buildings; analyzing active and passive fire suppression and detection systems; and has extensive experience with Performance Based Design. He worked for the SC State Fire Marshal's Office for 19 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. He is a member of SFPE, NFPA, ICC, and AFSA. He is active in the CSRA Chapter of the SFPE, SC Fire Sprinkler Contractors Association, and the SC Fire Marshals Association. He retired from the SC Army National Guard after 28 years of service, is an Assistant Scoutmaster with Troop 10, and resides in Columbia, SC.

#### **Instructor: Richard Carr (THURSDAY AND FRIDAY)**

Richard Carr started in the fire sprinkler industry in 1972 designing fire sprinkler systems. He has worked in various capacities from Operations to Sales, but has always enjoyed Design the best. Richard has been involved in apprenticeship training for 31 years and has instructed various licensing classes. He is a NICET Level IV in Automatic Sprinkler System Layout and a North Carolina licensed fire sprinkler contractor.