

# REGISTRATION

University of Albany, SUNY  
Empire Commons Community Building  
University Drive West, Albany, New York 12222

**Seminars:** (M=Members; NM=Non-Members; F&B=Fire/Building Officials)  
*\*Includes One-Year Subscriber Membership*

Hydraulics for Fire Protection Systems (course #49-5127)

1-Day:     M/\$149     F&B/\$99  
                   NM/\$299     \*F&B/\$149

NFPA 13 Update 2002 (course #49-5352)

1-Day:     M/\$149     F&B/\$99  
                   NM/\$299     \*F&B/\$149

Pumps for Fire Protection Systems (course #49-5128)

1-Day:     M/\$149     F&B/\$99  
                   NM/\$299     \*F&B/\$149

**Within 7 days of seminar OR on-site registration: Add \$25**

PLEASE PRINT OR TYPE:

Company \_\_\_\_\_

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NFSA Member # \_\_\_\_\_

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### Make payment and send to:

**NFSA, Michael Repko, 40 Jon Barrett Road  
Patterson, NY 12563; Fax to: 845-878-4215  
or register online at [www.nfsa.org](http://www.nfsa.org)**

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email: [seminars@nfsa.org](mailto:seminars@nfsa.org)



**NATIONAL  
FIRE  
SPRINKLER  
ASSOCIATION, INC.**

### Location:

University of Albany, SUNY  
Empire Commons Community Building  
University Drive West  
Albany, New York 12222  
*Co-Sponsor: University of Albany, SUNY*

**Register 5 for the same  
seminar, get a 6th FREE!**

**Discount Membership  
Offer Inside**

**1-Day / June 5, 2007**

(Course# 49-5127)

**Hydraulics for  
Fire Protection Systems**

**1/2-Day / June 6, 2007**

(Course# 49-5352) (p.m.)

**NFPA 13, 13R, 13D Update 2002**

**1 Day / June 7, 2007**

(Course# 49-5128)

**Pumps for  
Fire Protection**

These seminars qualify for continuing education as required by NICET. Meets mandatory Continuing Education Requirements for Businesses and Authorities Having Jurisdiction

Choose one or attend all of the programs listed. Just fill out the enclosed registration form...

### 1-Day / June 5, 2007

(Course# 49-5127)

## Hydraulics for Fire Protection Systems

#### Seminar Topics:

- Which NFPA Standard to Use
- Hazard and Commodity Classification
- 10 Basic Principles of Fluid Hydraulics
- Design Options for Systems
- Step by Step Procedure for Calculation
- Effect on System Design of Temperature Ratings of Sprinklers; Types of Systems; Storage Heights and Ceiling Slope
- Residential Systems from homes to high-rise (time permitting).

#### Free Workbook!

In addition to the world-class level of instruction presented at the seminar, each attendee will receive a comprehensive workbook filled with information on the seminar topics. It includes challenging exercises designed to reinforce the subjects taught during the day.

The attendee should come to class prepared to participate and bring the following:

- copy of NFPA 13- 99 & 02
- a calculator with square root functions and X<sup>y</sup>, Y<sup>x</sup> or  $\Delta$  key.
- note paper and pen

- Registration includes refreshments and workbook.
- Registration begins: 7:30 AM
- Seminar: 8:00AM to 4:30 PM
- Class size limited to the first 50 registrants.
- Completion Certificates will be presented to attendees.

#### Who Should Attend?

This seminar is intended to provide information on a basic level.

It is most beneficial to contractors, designers, technicians, engineers, plan reviewers and insurance authorities who are starting to deal with the calculation of sprinkler systems.

### 1/2-Day / June 6, 2007

(Course# 49-5352) (p.m.)

## NFPA 13, 13R, 13D Update 2002

#### Seminar Topics:

This one-half day seminar describes the changes in the 2002 editions for the contractor and authority having jurisdiction for the proper installation of fire sprinkler systems. This is an Basic level class.

*Overview* – Provides the attendees with the understanding of changes made to the NFPA 13, 13R and 13D Standards in the 2002 Editions.

*Goals* – To familiarize participants with the changes in the 2002 Editions.

*Learning Objectives* – Participants will learn:

- Understand the committees reasons for the changes

#### Course Outline

- 2002 Changes to NFPA 13
- Changes to the 2002 NFPA 13R
- Changes to the NFPA 2002 13D
  
- Registration includes refreshments and workbook
- REGISTRATION BEGINS: 12:30 PM
- SEMINAR: 1:00 PM TO 5:00 PM
- Class size limited to the first 50 registrants.
- Completion certificates will be presented to attendees.

*Experience Level* – This seminar is best suited for participants who are:

- Code Officials
- Designers/Contractors
- Design Professionals Architects/Engineers
- Building Owners/Managers
- Installers
- Insurance Representatives

*Prerequisites* – For attendees who:

- Knows and applies the codes
- Has one to two years in code enforcement
- Possesses a basic knowledge in construction
- Can read and understand basic construction drawings

### 1 Day / June 7, 2007

(Course# 49-5128)

## Pumps for Fire Protection

#### Seminar Topics:

- Introduction and Basic Hydraulics
- Types of Pumps and Drivers
- Pump Placement and Sizing
- Suction Piping, Valves and Equipment
- Electric Motor Driven Pumps and Controllers
- Diesel Engine Driven Pumps and Controllers
- Discharge Piping, Valves and Equipment
- Acceptance Testing of Fire Pumps
- Periodic Inspection, Testing and Maintenance of Fire Pumps

#### Free Workbook!

Receive a free copy of the Pumps for Fire Protection Workbook. This \$30.00 value is included and serves as the student workbook for the seminar. It specifically illustrates each visual used in the presentation and has space for student notes. It is recommended the attendee bring with them a copy of the NFPA Fire Pump Handbook. The attendee should come to class prepared to participate and bring the following:

- copy of NFPA 20-99 & 03
- calculator with square root functions
- note paper and pen

- Registration includes refreshments and all training materials.
- REGISTRATION BEGINS: 7:30 AM
- SEMINAR: 8:00 AM TO 4:30 PM
- Class size limited to the first 50 registrants.
- Completion certificates will be presented to attendees.

#### Who Should Attend?

- This one-day seminar is intended to provide information ranging from basic to advanced levels. It is most beneficial to contractors, designers and those responsible for system inspection.
- Code enforcement officials will also find it a tremendous asset in the performance of their day-to-day job responsibilities.