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# Society of Fire Protection Engineers

## New Jersey Chapter

# FUSIBLE LINK

MARCH 2009

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### Special Executive Assistant to The Board

Vicki Serafin  
vicki.serafin@affiliatedfm.com

## President's Message...



My thanks to John Cholin for serving as our guest speaker at our February 2, 2009 meeting. We had an excellent presentation and very informative question and answer session on the subject of dust explosions and associated hazards. Without a doubt, the members of our Chapter are very fortunate to be able to tap into such in-house expertise!

The topic of our March meeting is going to be "Microbiological Corrosion – Prevention & Inspection Requirements" presented by Pete Carey of Potter Signal. This should be a unique presentation and discussion so I urge everyone to attend.

The National Fire Protection Association (NFPA) has launched the [Fire Sprinkler Initiative: Bringing Safety Home](#). The *Fire Sprinkler Initiative* will provide materials and resources to people and organizations working to encourage the adoption of requirements for automatic fire sprinklers in new one- and two-family homes.

Currently, 80 percent of fire deaths occur in the home, killing nearly 3,000 people each year. The *Fire Sprinkler Initiative* is dedicated to saving lives through the use of this proven technology. Homes with automatic fire sprinklers and working smoke alarms reduce the risk of an occupant dying in a fire by 82 percent.

The *Fire Sprinkler Initiative* will include a variety of proven and effective ways that home fire sprinkler advocates can communicate the impact and importance of sprinkler requirements. The *Initiative's* Web site – [www.firesprinklerinitiative.org](http://www.firesprinklerinitiative.org) – will be the source of materials advocates can use when talking to community leaders, elected officials, and others to get home sprinkler requirements in place, either through ordinances or adoption of model safety codes.

Finally, our 2009 Technical Seminar is set for Friday, April 24 at the Holiday Inn at Newark Liberty Airport. More details will follow so keep the date open so you can attend. I look forward to seeing everyone at our next meeting on March 2, 2009.

David Gluckman  
NJSFPE Chapter President

<http://www.sfpe.org/Chapters/NewJersey.aspx>

## NJ SFPE Membership Meeting Minutes February 2, 2009

The February 2009 meeting was held at the Hanover Manor, our normal venue. Chapter president Dave Gluckman presided. The minutes of the January 2008 meeting were read by the Secretary and accepted by the membership. The Treasurers report was read and accepted by the membership.

Members also had a short briefing by Rich Reitberger on the upcoming Spring Technical Seminar - "Fire Protection Technology and Going Green" to be held on Friday April 24, 2009 at the Holiday Inn, 160 Frontage Rd., Newark Liberty Airport, Newark, NJ. Also the Annual Golf outing at West Point is tentatively booked for June 22<sup>nd</sup>.

The Guest speaker for the evening was NJSFPE First Vice President John Cholin, J.M. Cholin Consultants (201-337-8621) [jmc@jmcholinconsultants.com](mailto:jmc@jmcholinconsultants.com). John gave a very informative presentation on a dust explosion incident he worked and the resulting investigation on the cause, origin and implications to the existing codes and standards regarding dust collection equipment. John brought the audience through a very thorough analysis of the science involved and the reactions that took place. His presentation was well received and educational.

The meeting adjourned at the end of the presentation.



## Society of Fire Protection Engineers

Robert E. Murray, Asst. Treasurer  
c/o Associated Consulting Engineers, P.C.  
214 W. Clarke Avenue  
South Plainfield, New Jersey 07080

February 2, 2009

Dear Chapter Supporter,

As you know, the New Jersey Chapter of the Society of Fire Protection Engineers relies on advertiser support to help defray costs of running the chapter. We solicit advertiser participation on an annual basis, consisting of ten (10) issues. The cost of a business card ad for the one-year subscription is \$100.00, which runs from September through June. These "ads" are really contributions to the chapter that supports its educational mission through chapter programs, seminars, etc.

For those firms currently advertising and for those that are interested we are soliciting your participation for the 2008-2009 Chapter year. We hope you are willing to support the Chapter activities with an ad subscription for this year. If so, please make out your check, in the amount of \$100.00, to the New Jersey S.F.P.E., enclose it with your camera-ready artwork or PDF file for the business card ad as you want it to appear and send these to the address below.

Robert E. Murray.  
214 W. Clarke Avenue  
South Plainfield, New Jersey 07080

We will then publish it in the next Fusible Link.

## Our Condolences to Tom Kuhta

Tom Kuhta's mother (Daisy) passed away on Feb 4<sup>th</sup> at the age of 85. Tom has been an active member of both the NJ and NY SFPE chapters for many years. We offer Tom and his family our prayers during this difficult time.

For those of you who would like to send a sympathy card, Tom's address is as follows:

Thomas Kuhta  
85 Greentree Road  
Clifton, NJ 07013



*Code Consulting, Development and Education*

January 20, 2009

To: Fire Code Update Course Attendees  
Presented by Davidson Code Concepts, LLC

During the presentation I informed you I would seek further clarification on the application of the requirements found in the new fire code in relation to the fact that a new section of administrative code had been added, NJAC 5:70-3.1(d).

I was afforded an opportunity to meet with the Director of the DCA, Division of Codes & Standards and the lead staff that worked on the adoption of the updated Uniform Fire Code. As a result of a detailed and positive discussion, the following shall serve as guidance for your application of the new fire code.

In applying the Subchapter III requirements you have to make sure you respect the relationship of the Uniform Construction Code. References to this relationship can be found in NJAC 5:70-1.4(e), NJAC 5:70-4.2(d), NJAC 5:70-4.3 and the new section NJAC 5:70-3.1(d).

It is not the intent of the new Uniform Fire Code (UFC) Subchapter III provisions to require buildings and fire protection or building service equipment related to the construction and occupancy of the building to be upgraded. The UFC serves as a maintenance code in this case.

In those cases where the code language has installation and/or upgrade related provisions it is intended to be applied to process equipment, (*which is regulated by the UFC not the UCC*), and it is intended to be applied to those processes and activities that occur in buildings or on premises and involve hazardous substances or materials.

If you have any doubt as to the application of a section that would require what appears to be a retroactive installation of safety equipment, systems or devices or an upgrade of existing ones, confer with the Construction Official of your jurisdiction. The requirement may already have been contained within the construction code at the time of establishment of the use or activity, or the occupant may have "*changed the character*" of the activity in the building which would require application of the UCC, Subchapter 6, Rehabilitation Subcode.

It is the intent of the fire code to require correction of unsafe activities that may threaten the occupants, the public generally, emergency responders or the property.

If you need further clarification on the relationship between the new language and the UCC based upon my presentation you can contact my firm or the DCA, Division of Codes & Standards, Code Assistance Unit.

As we move forward you should expect there to be additional adjustments to Subchapters III and IV to further clarify the application of the new fire code provisions.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Davidson', written over a light blue background.

Robert J. Davidson  
Fire & Life Safety Consultant

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**Fire Protection**  
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**With Live Fires**



**Fire Pumps**  
**Sprinkler Systems**  
**Fire Detection**  
**Warehouse Fire Protection**  
**NFPA 25**  
**Sprinkler Plan Review**

\* NY,NJ,CT,PA Building & Fire Officials



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**Fire Detection**



**Deluge Valve**

## 2009 Schedule

### Module 1, Water Supplies and Sprinkler Systems: 3/30 & 9/21

**Description:** This 1 day seminar is a mix of classroom and live demonstrations that reviews the various water supplies for fire protection systems including suction, pressure, and gravity tanks, fire pumps, etc. The seminar overviews the various components of automatic sprinkler systems, and the wet pipe sprinkler system. "Hands on" activities include water supply testing, analyzing of test results, fire protection control valve inspection, and live fires with sprinkler activation. NFPA 25 testing requirements for wet pipe and control valves are reviewed and demonstrated.

### Module 2, Dry Deluge & Pre-Action Sprinkler Systems: 3/31 & 9/22

**Description:** This 1 day seminar is a mix of classroom and live demonstrations that reviews the components and operation of the dry, pre-action and deluge sprinkler systems. Fire detection systems are overviewed on how they interact with the pre-action and deluge systems. "Hands on" activities include tripping and resetting the dry pipe, preaction and deluge valves. NFPA 25 testing requirements for these systems are reviewed and demonstrated.

### Module 3, Automatic Fire Pumps: 4/1 & 9/23

**Description:** This 1 day seminar is a mix of classroom and live demonstrations that reviews automatic fire pumps including drivers, controllers and various components. "Hands on" activities include conducting an annual fire pump test on a diesel vertical turbine and electric booster pumps. Students will graph fire pump test data and learn how to evaluate fire pump performance. NFPA 25 testing requirements for fire pumps and controllers are reviewed and demonstrated.

### Module 4, Maintaining Water-Based Fire Protection Systems: 5/14-15, & 11/12-13

**Description:** This 2 day seminar is a mix of classroom and live demonstrations that reviews NFPA 25 including how to test various fire protection equipment to meet the NFPA standard. "Hands on" activities include testing of: control valves, wet, dry, pre-action and deluge valves, and activation of sprinklers via live fire. Conduct annual fire pump test and water supply testing. Students will graph fire pump test and water supply data and learn how interpret test results.

### Module 5, Fire Detection & Alarm Systems: 5/11, & 11/09

**Description:** This 1 day seminar is a mix of classroom and live demonstrations that overviews fire detection and alarm systems. Initiating devices, control units, notification devices, wiring methods, and inspection & testing of NFPA 72 are discussed. "Hands on" activities include fire detection demonstrations.

### Module 6, Warehouse Fire Protection: 5/12-13, & 11/10-11

**Description:** This 2 day seminar is a mix of classroom and live demonstrations that overviews NFPA 13 and 30 regarding warehouse fire protection. Topics covered include hydraulically calculated sprinkler systems, common warehouse problems, general storage and rack storage sprinkler requirements, commodity classification, ESFR sprinklers, flammable & combustible liquid storage sprinkler requirements and fire doors. "Hands on" activities include ESFR, ELO, and large drop sprinklers live fire demonstration and fire door drop testing.

### Module 7, Sprinkler Plan Review: 4/2-3 & 9/24-25

**Description:** This 2 day seminar is a mix of classroom and live demonstrations that overviews NFPA 13 including evaluating and selecting NFPA standards, reading drawings and identifying components, system design approaches, evaluating water supplies, and reviewing hydraulic calculations. A plan review workshop of sprinkler plans and hydraulic calculations is included. "Hands on" activities include water supply testing, overview and demonstration of wet, dry, pre-action and deluge sprinkler systems, sprinkler activation via live fire.

**We offer a 20% discount to Building and Fire Officials, see chart below. The cost includes a continental breakfast and afternoon beverages and snacks. A full service cafeteria is available on site for lunch at student cost.**

Visit: [www.chubb.com/lcu](http://www.chubb.com/lcu) for more information and registration forms.

Contact: Sam Lee, 908-903-7172, [slee@chubb.com](mailto:slee@chubb.com)

Location: Chubb Services Corp.  
15 Mountainview Rd., Warren, NJ 07059  
at Exit 33 Interstate 78, 35 minutes from NYC

Day	Cost	Discount
1	\$350	\$280
2	\$680	\$544
3	\$990	\$792
4	\$1260	\$1008
5	\$1450	\$1160



# Loss Control University 2009 Program Registration

Company: \_\_\_\_\_ Policy # \_\_\_\_\_  
 Street: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Name: \_\_\_\_\_ Title: \_\_\_\_\_  
 Email: \_\_\_\_\_ Telephone: \_\_\_\_\_

*For additional participants, attach a sheet with contact information for each person.*

Module 1	Water Supplies & Sprinkler Systems	1 day	<input type="checkbox"/>	03/30/2009	or	<input type="checkbox"/>	09/21/2009
Module 2	Dry Pipe, Deluge and Pre-Action Sprinkler Systems	1 day	<input type="checkbox"/>	03/31/2009	or	<input type="checkbox"/>	09/22/2009
Module 3	Automatic Fire Pumps	1 day	<input type="checkbox"/>	04/01/2009	or	<input type="checkbox"/>	09/23/2009
Module 4	Maintaining Water-Based Fire Protection Systems	2 days	<input type="checkbox"/>	05/14/2009	or	<input type="checkbox"/>	11/12/2009
Module 5	Fire Detection & Alarm Systems	1 day	<input type="checkbox"/>	05/11/2009	or	<input type="checkbox"/>	11/09/2009
Module 6	Warehouse Fire Protection	2 days	<input type="checkbox"/>	05/12/2009	or	<input type="checkbox"/>	11/10/2009
Module 7	Sprinkler Plan Review	2 days	<input type="checkbox"/>	04/02/2009	or	<input type="checkbox"/>	09/24/2009

1 day = \$350  
 2 days= \$680  
 3 days= \$990  
 4 days= \$1260  
 5 days= \$1450

Number of Days: \_\_\_\_\_ Cost per Person: \_\_\_\_\_  
 Number of Participants: \_\_\_\_\_ Total Cost: \_\_\_\_\_

*Chubb policyholders, appointed agents and brokers, code enforcement officials, and fire fighters receive a 20% discount*

*Registration can be reserved by submitting form to:*

Email: [slee@chubb.com](mailto:slee@chubb.com)  
 or  
 Fax: 908.903.7187

*Payment by check or purchase order must be received at least 14 days prior to the seminar to remain enrolled. Exceptions can be requested by contacting Sam Lee at [slee@chubb.com](mailto:slee@chubb.com) or 908-903-7172.*

*To complete enrollment, submit the form and payment to:*

**Chubb Services Corporation  
 15 Mountain View Road  
 Mail Stop #E100  
 Warren, NJ 07059**

*Make checks payable to Chubb Services Corporation. Credit card payments are not accepted. Upon receipt, a paid invoice will be returned.*

Vicki Serafin  
Affiliated FM  
400 Interpace Parkway, Bldg C  
3rd Floor  
Parsippany, NJ 07054-1196  
Phone: (973) 541-6771  
Fax: (973) 541-6909

## MEETING NOTICE

**Date:** March 2, 2009

**Place:** Hanover Manor  
16 Eagle Rock Avenue  
East Hanover, NJ

**Price:** \$26.00

**Dinner:** 5:00-6:00 (Cash bar for mixed drinks)  
Dinner at 6 PM

**Speaker(s):** Pete Carey of Potter Signal

**Topic:** "Microbiological Corrosion – Prevention & Inspection Requirements"

**Please note for this meeting:**

All officers, directors and committee chairman are requested to attend a meeting at 4:00 p.m. at the Hanover Manor.

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PLEASE COMPLETE AND RETURN WITH YOUR CHECK PAYABLE TO "SFPE NJ CHAPTER" TO:

Vicki Serafin  
Affiliated FM  
400 Interpace Parkway, Bldg C - 3rd Floor  
Parsippany, NJ 07054-1196  
vicki.serafin@affiliatedfm.com

OR PAY AT THE DOOR

NAME: \_\_\_\_\_

COMPANY: \_\_\_\_\_ TELEPHONE: \_\_\_\_\_

# Meeting Dates/Programs 2008-2009

DATE	TOPIC
March 2	MIC—Microbiological Corrosion— Prevention & Inspection Requirement— Pete Carey, Potter Signal
April 24	Seminar
May 4	Installation Issues with CPVC Piping
June 1	High Volume, Low Speed Ceiling Fans vs. AS Activation

 **Associated Consulting Engineers, P.C.**  
A Professional Corporation

**Robert E. Murray, P.E.**  
President

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**John M. Cholin P.E., FSFPE, M.E.E.**

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**Glenn D. Buser, P.E.**  
201-891-1405  
201-450-7559 (Cell)

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Mahwah, NJ 07430  
Email: [gbuser@gbrisk.com](mailto:gbuser@gbrisk.com)

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**Robert Volinski**  
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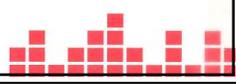
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695 Route 46 West  
Suite 200  
Fairfield, NJ 07004  
Tele: 973 439 6477  
Fax: 801 327 0769  
email: [r.volinski@adt.com](mailto:r.volinski@adt.com)

**Associated fire Protection**  
**ROLAND STRATEN, P.E.**  
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[rstraten@atpfire.com](mailto:rstraten@atpfire.com)  
  
[www.atpfire.com](http://www.atpfire.com)

**SLICER & ASSOCIATES**  
Fire Protection and Loss  
Prevention Consulting  
**J. Sargent "Sarge" Slicer**  
P.O. Box 1647 Office 508-945-5074  
West Chatham, MA 02669-1647 Mobile 973-493-0369  
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Member – SFPE & NFPA [sargeslicer1@myibocs.com](mailto:sargeslicer1@myibocs.com)

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Fax: +1 212-695-6671  
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ROLF JENSEN & ASSOCIATES, INC.  
FIRE PROTECTION CONSULTANTS





## 2008-2009 CHAPTER COMMITTEES

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Consulting - Peter Rullo

#### Arrangements

Vicki Serafin, Chairperson

#### Membership

John Cholin, Chairman

#### Nominating

Glenn Dietz, Chairman  
Chuck Gandy  
Glenn Buser

#### Scholarship Fund

Chuck Gandy, Chairman  
Ed Armm  
Mike Machette  
Alternates: Rich Reitberger, Jim Tolos

#### Auditing

Joe Janiga, Chairman  
John Warnet

#### Archivist

Rich Reitberger, Chairman  
Nicole Smith

#### Historian

Jim Tolos

#### Communications

Fusible Link—Brad Hart  
Ana Crisostomo—Coordinator  
Mailing/Automation/e-mail—Vicki Serafin, Chairperson

### SPECIAL COMMITTEES

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Jim Tolos, Chairman  
Joe Janiga - Co-Chairman

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Glenn Deltz  
Dave Gluckman

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Richard Reitberger, Chairman  
Joe Janiga

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Frank Savino, Chairman  
Rich Reitberger

#### PE Examination

John Cholin, Chairman  
Joe Janiga  
Mike Newman  
Chuck Gandy

#### Chapter Seminar/Field Trip

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Joe Janiga

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Rich Reitberger, Chairman  
Vinnie Fichera  
Jerry Naylis

#### Finance

Rich Reitberger - Chairman  
John Cholin  
Bob Murray