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Society of Fire Protection Engineers

New Jersey Chapter

FUSIBLE LINK

SEPTEMBER 2011

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President's Message…

As a Senior Fire Protection Engineering Technician I am honored to accept the helm of the New Jersey Society of Fire Protection Engineers. I am very lucky to be following Immediate Past President Rich Reitberger as he taught by his actions.

My first duty as president was on August 4, 2011 when I called the NJ SFPE Summer Planning Meeting to order. Your board met to set a course for the 2011 – 2012 fiscal year. we have great professional presentations planned for our meetings in the hope to draw a greater number of our members to meetings. The purpose of the Society 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.

As I start my first year as President of the NJ NSPE I am humbled as I look around me at board and general meetings. As President nothing can be accomplished without a board of directors and I am filled with pride to head a board such as ours and a Chapter such as ours.

With the accomplished gentleman on YOUR board of directors I have excellent resources to assist me in keeping the NJ SFPE growing and providing training to the Engineering Community. I look at our membership and wish to be able to call all of our members to take part in your society, to become mentors to our young members and help them to become the best that they can be. I am asking all of our members to participate in meetings. Participation is defined as 'the state of being related to a larger whole' and 'the process during which individuals, groups and organizations are consulted about or have the opportunity to become actively involved in a project or program of activity.

The dues notice for 2011-2012 was sent out recently. We ask you to fill out your dues notice forms even if you hand deliver you dues at the September 12 meeting. You can mail your payment or as I said bring it to a meeting. I thank all in advance for paying your dues in a timely manner. The greater the number of members the NJSFPE has the stronger our voice in Trenton will be.

(continued on p. 2)

President's Message (Cont'd)

The 2011 Annual SFPE Professional Development Conference and Exposition is rapidly approaching. It will be held in Portland OR on October 23-28, 2011.

Our first meeting this year is September 12th our speaker will be my old friend Merton Bunker, PE, CFEI. Mert is currently the Deputy Director of Fire Protection at the US Department of State, Overseas Buildings Operations Bureau. His presentation will be "Engineering Diplomacy: A Look at Fire Protection Challenges in Department of State Overseas Facilities.

I welcome back Brad Hart who publishes the Fusible Link with help from his Administrative Assistant, Ana Crisostomo. I also welcome back Bob Murray, who keeps our books in order. In addition, past presidents Rich Reitberger, Dave Gluckman, Glen Deitz, Jim Tolos Joe Janiga, and Chuck Gandy who keep me in order. My best to John Cholin, Vicki Serafin, Glen Buser, Dave Kurasz, Jerry Naylis, who have unselfishly supported our efforts over the years. I wish to welcome three new members to the board, Chandra Patel, Nate Gorey, and Paul McGrath.

I thank all the officers, directors and committee members for their continued hard work and enthusiasm which helps our Chapter to provide relevant and topical information to our members. I will need your support to make 2011-2012 a banner year for membership and attendance at meetings.

Please take part in a newly launched program from SFPE 'Member-Get-A-Member Campaign' this year to encourage our existing members to help recruit new members. As part of the campaign SFPE will recognize our member, and chapter, recruiters. National membership is required.

Ed Armm
Chapter President

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A Professional Corporation
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101 Roosevelt Drive, Oakland NJ 07436 USA
Telephone: 201-337-8621 • Fax: 201-337-5603
jmc@jmcholinconsultants.com • www.jmcholinconsultants.com

MINUTES OF JUNE 6, 2011 NJ-SFPE MEETING

President Reitberger called the meeting to order at 6:15 PM with a salute to the flag and introductions. There were 19 in attendance. The minutes of the May meeting were accepted by the membership. The June 6 Treasurer's report was read and accepted by the membership. The Chapter's balance is $21,590.59.

Three new applications for membership were presented. They were; Bill Casey for Member, John Chioffi and Rick Davidson for Chapter Supporter. The members voted to accept. Welcome to our newest members.

Dave Gluckman nominated the slate of officers and board members for the upcoming year. Joe Janiga cast a single vote to accept. Congratulations to our Officers and Directors for the upcoming year who are Ed Armm, John Cholin, Joe Janiga, David Gluckman, Brad Hart, Bob Murray, Glenn Buser, Chandra Patel, Nathan Gorey, Paul Mc Grath, and Dave Kurasz.

Rich Reitberger mentioned that the summer planning meeting will be held beginning at 9:00 AM on August 4th at the office of FM Global. While this is meeting primarily attended by the Officers and Board of Directors any interested members are welcome to attend. Among other things, this is when we work out topics and speakers for our regular meetings and for the technical seminar so if you have any suggestions about that please join us or share your suggestion with one of our officers before the meeting.

The annual scholarship golf outing is set for Monday, June 27 at West Point Golf Course. There is still room for players and sponsors.

Jim Tolos made the second reading of proposed changes to the Chapter's bylaws. This is the addition of section 3.2.1 regarding membership grade of Chapter Supporter (printed in the June ***Fusible Link***). The members voted to accept.

Pete Willse of XL GAPS joined us for a third time to give an update on FPRF research on High Velocity Low Speed fans (HVLS).

SFPE June Golf Outing Results

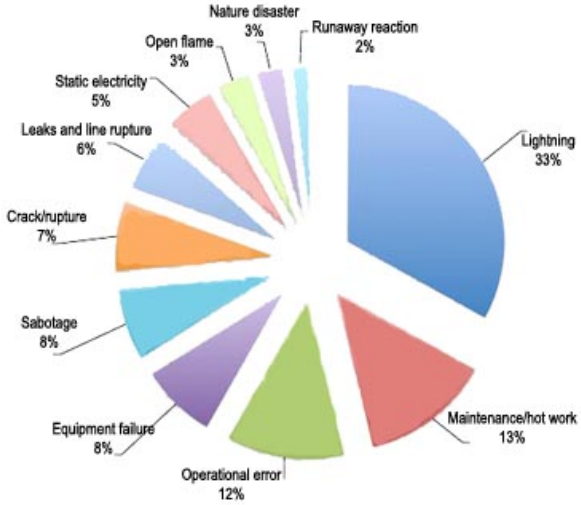
INCOME		
Golfers (119)		$14,875.00
Hole sponsors		2,800.00
50/50		580.00
Donation		100.00
	Total	$18,355.00
EXPENSES		
West Point Club		$11,890.70
Prizes		883.10
Hole in One Ins.		329.00
Hole in One Witness		100.00
	Total	$13,202.80
NET		
Net to Scholarship Fund		**$5,152.20**

Storage Tank Fires Turn Fatal

Two significant storage tank fires occurred in Europe the week of May 30, 2011—one in Gibraltar and one in southwest Wales. Tragically, the Wales explosion and fire resulted in four people dead and a fifth in critical condition. Coincidentally, last week I was working on a project reviewing hazards and risks associated with some new onshore oil and gas production facilities which had a number of oil storage tanks.

So I wondered just how common storage tank fires are, and I did some quick research on the Internet—I was a little surprised by what I found.

In the past three months at least 9 fires involved storage tanks. Many of them escalated to involve multiple tanks, some tragically resulted in serious injury and fatality, and all resulted in significant property damage and business interruption. In addition, whilst this bulletin was being prepared, another fire involving storage tanks occurred during maintenance at a Texas refinery June 7.The causes of storage tank fires vary; however, the following figure provides a breakdown based on approximately 250 fires (*A study of storage tank accidents, Journal of Loss Prevention in the Process Industries 19 (2006) 51–59*).



A significant amount of literature relates to prevention, control, and mitigation of storage tank fires. A few stood out for me:

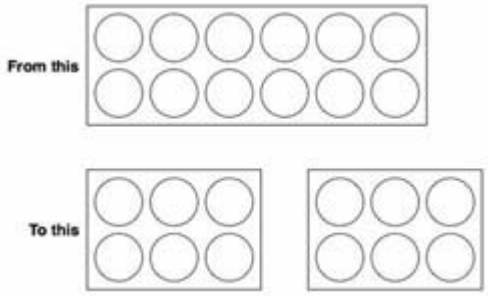
- *Center for Chemical Process Safety (CCPS) Guidelines for Facility Siting and Layout (2003)*.
  Provides guidance on safe layout of facilities and separation distances. It interested me to note that the storage tank separation distances recommended by CCPS are significantly greater than those in National Fire Protection Agency (NFPA) 30 Flammable and Combustible Liquids Code (2008). http://www.aiche.org/Publications/pubcat/listings/0816908990.aspx
- *UK HSE safety and environmental standards for fuel storage sites (2009).*
  Provides guidance applicable to storing gasoline or similar Reid vapor pressure (RVP) materials (such as condensate) and incorporates the findings from the Buncefield storage tank site explosion and fire. http://www.hse.gov.uk/comah/buncefield/fuel-storage-sites.pdf
- *UK HSE HSG176: The storage of flammable liquids in tanks (1998).*
  Whilst this is an older reference, it provides good information about storage tank layout and fire safety design. For recommended minimum tank separation distances the guidance states: *If a serious fire develops involving one tank in a group then it is unlikely that these between-tank separation distances will prevent damage or even destruction of the adjacent tanks. However, they should allow sufficient time for emergency procedures to be implemented and for people to be evacuated from areas threatened by the incident.* http://www.hse.gov.uk/pubns/books/hsg176.htm
- *US Chemical Safety Board, Death in the Oilfield (2006).*
  This short video depicts an incident wherein three workers were killed while performing maintenance on a storage tank. The video discusses the causes of the accident and recommended findings. http://www.csb.gov/videoroom/detail.aspx?VID=6

Lessons Learned

When dealing with storage tank fires, unless workers are specially trained with the appropriate equipment it is especially important to remember that municipal fire departments are not equipped mentally or physically to put out tank fires.

Emergency responders should be aware that after being extinguished, tank fires often can re-ignite.

- Since a significant number of tank fires are caused by maintenance and hot work, before conducting any tank maintenance activities, robust procedures should be in place that include:
  - Risk assessment (job safety analysis) before conducting any work
  - Training and competence of personnel
  - Control hot work and eliminate flammable atmosphere, including isolation, purging, gas testing, and control of ignition sources
  - Adherence to minimum separation distances given in codes and standards (such as NFPA 30 is unlikely to prevent escalation from one tank to another in case of fire
  - Provide adequate separation from tanks to site boundary, process equipment, loading areas, and buildings In the absence of facility-specific risk assessment, CCPS Guidelines for Facility Siting and Layout (2003) provides the most conservative guidance.
  - The only effective means to extinguish a tank fire is foam, and even this may not work for large fires
  - The strategy to minimize potential for escalation between tanks should consider a combination of separation and fire suppression
  - Consider segregating groups of tanks if large separation distances between individual tanks in batteries is impractical, as in the figure below



  - For higher risk tanks (e.g., those containing highly flammable liquids), provide an automatic overfill prevention system that is physically and electrically separate and independent from the tank gauging system
  - Periodically test overfill protection systems; long periods of inactivity may render them ineffective
  - Locate fire-safe isolation valves close to the piping inlet and outlet of tanks
  - Remotely operated shut-off valves provide the safest means to isolate the large inventories in storage tanks
  - Shut-off valve closures should be initiated from a point remote from the valve itself and a sufficient distance from potential fires for which they are intended to safely isolate inventory
  - Provide tertiary containment measures to prevent escape of liquids from the site and threatening a major accident to the environment; also design site drainage and grading to assist in containing spills that may overflow secondary containment.

NJ Administrative Code - Free Access

For those of you that need to have access to the current version of the NJ Administrative code, it can be found on-line at:

http://www.michie.com/newjersey/lpext.dll?f=templates&fn=main-h.htm&cp=

SPEAKER FOR SEPTEMBER 12 MEETING

Merton Bunker earned a Bachelor of Science in Electrical Engineering from the University of Maine (1985) and a Master of Science in Engineering Management from Western New England College (1997). Merton is a registered professional engineer (electrical and fire protection) in seven states and the District of Columbia, is a certified fire and explosion investigator, and a certified master electrical inspector.

Merton has 25 years of engineering experience, including seven years at the National Fire Protection Association (NFPA), where he served as the staff liaison for NFPA 72, *National Fire Alarm Code* and NFPA 70, *National Electrical Code*. He co-authored the National Fire Alarm Code Handbook in 1996 and 1999, and authored the NFPA Pocket Guide to Fire Alarm Systems in 2001, 2007, and 2010. He has authored numerous articles in numerous technical publications, such as NFPA Journal, Scientific American, ECM Magazine, and IMSA Journal. Merton also worked for Rolf Jensen & Associates in Fairfax, VA, where he was involved with a number of fire protection projects. He is currently the Deputy Director of Fire Protection at the US Department of State, Overseas Buildings Operations Bureau. Merton is also the president of Merton Bunker & Associates, located in Stafford, VA.

Merton is a member of the following technical committees:

- Chair, NFPA Technical Committee on Protected Premises Signaling Systems (NFPA 72)
- NFPA Technical Correlating Committee on Signaling for the Protection of Life and Property (NFPA 72)
- NFPA National Electrical Code Technical Correlating Committee (NEC)
- Chair, NFPA Maintenance of Electrical Systems (NFPA 73)
- NFPA Air Conditioning Systems (NFPA 90A)
- ASME A17.1 Elevator Emergency Operations Committee
- Former Member, NFPA Technical Committee on Inspection, Testing and Maintenance Systems (NFPA 72)

International Code Council and the China Fire Research Institute Team up

Under a new Memorandum of Understanding, ANSI member and accredited standards developer the International Code Council (ICC) will partner with the Tianjin (China) Fire Research Institute (TFRI) to improve Chinese construction codes. The two organizations will work to exchange technical information, develop training and certification programs, and address topics in the International Building Code and International Fire Code, including safe evacuation and fire protection.

“China has the largest building construction market in the world and it is growing at an explosive rate,” said ICC CEO Richard P. Weiland. “The International Code Council is proud to offer its building safety model codes, including adaptable provisions for local fire hazards. Across the U.S. and increasingly around the world, our codes are establishing safe and sustainable communities which recognize rather than avoid the hazards that can threaten our well-being.”

The International Code Council is a member-focused association dedicated to helping the building safety community and construction industry provide safe, sustainable and affordable construction through the development of codes and standards used in the design, build and compliance process.

You can learn more about this via the link below:

http://www.iccsafe.org/newsroom/News%20Releases/NR-08042011-Tianjin-MOU.pdf

USFA Releases Large Loss Building Fires Report

Contact: USFA Press Office (301) 447-1853

June 21, 2011
Emmitsburg, MD — The Federal Emergency Management Agency's (FEMA) United States Fire Administration (USFA) issued a special report today examining the characteristics and causes of Large Loss Building Fires (PDF, 834 Kb). The report, developed by USFA's National Fire Data Center, is based on 2007 to 2009 data from the National Fire Incident Reporting System (NFIRS).
From 2007 to 2009, an estimated 900 large loss building fires were reported by U.S. fire departments annually. These fires caused an estimated 35 deaths, 100 injuries, and $2.8 billion dollars in property damage. In this report, large loss building fires are defined as fires that resulted in a total dollar loss of $1 million or more.

According to the report:

- Forty-eight percent of large loss fires occur in residential buildings.
- Exposures are the leading cause of large loss building fires at 22 percent, followed by electrical malfunctions (12 percent), other unintentional, careless actions (11 percent), and intentional (9 percent).
- A peak in large loss building fires is seen between the hours of 1 a.m. and 4 a.m.
- Attics are the primary origin of all large loss building fires, along with cooking areas or kitchens.

Large Loss Building Fires (PDF, 834 Kb) is part of the Topical Fire Report Series. Topical reports explore facets of the U.S. fire problem as depicted through data collected in NFIRS. Each topical report briefly addresses the nature of the specific fire or fire-related topic, highlights important findings from the data, and may suggest other resources to consider for further information. Also included are recent examples of fire incidents that demonstrate some of the issues addressed in the report or that put the report topic in context.

For further information regarding other topical reports or any programs and training available at the United States Fire Administration, visit www.usfa.fema.gov.

For the report click here: http://www.usfa.dhs.gov/downloads/pdf/statistics/v12i4.pdf

NJ FPE Chapter Dues Notice for the Current 2011-2012

Its that time again to send in your Chapter dues. Included in this edition of the Fusible Link is a copy of the dues notice & payment form or you can use the following link:

WWW.NJSFPE.org

To renew of become a member.

- AHJ's can join for free (you would still pay for meetings)
- Retired members may renew for free (you would still pay for meetings)
- You can join for the $20 fee and pay $30 per meeting
- You can join for $260 for the fiscal year getting one free meeting.

Members get continuing education units for NICET, presentations will be submitted for credit to P.E.'s, you get to listen to smart people expressing new ideas and concepts in life safety, alarms, fire suppressions systems, etc. . You also get a good meal and get to hang out at the bar for an hour catching up with friends, comrades and competitors.

Nothing but the best,

Ed Armm, SET
President NJ SFPE

RENEWAL APPLICATION & 2011- 2012 DUES NOTICE

Name: _____

Title: _____ Company: _____ Phone # _____

e-mail address: _____

Mailing Address: _____

NOTE* PLEASE PROVIDE US WITH YOUR E-MAIL ADDRESS SO WE MAY VERIFY AND UPDATE OUR RECORDS. THIS WILL ENABLE US TO PROVIDE YOU WITH IMPORTANT AND TIMELY NOTICES SUCH AS MEETING CANCELLATIONS DUE TO INCLEMENT WEATHER.

****

Dues - 2011-2012: $20 – Dues plus e-mail copies of Fusible Link & Meeting Notices
(Note: $ 0 **Retired** members)

Meeting Prepay: **$260** – Dues & above plus Prepay for 8 meetings and get the 9th meeting FREE
(Note: $ 240 **Retired** members)

Total remitted : $ _____

To pay by Credit Card go to www.NJSFPE.org

PLEASE REMIT BY – 30 Sept 11 MAKE YOUR CHECK PAYABLE TO **- "NJ CHAPTER SFPE"**

MAIL YOUR CHECK TODAY WITH THIS APPLICATION TO:

Vicki Lynn Serafin
C/O NJ Chapter SFPE
P.O. Box 8268
Parsippany, NJ 07054-1196

Email: vicki.serafin@affiliatedfm.com

Thank you for your continued support!

UNDERSTANDING THE FIRE ALARM REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE© SEMINAR

SPONSORED BY:

AFAA NEW JERSEY

THE AUTOMATIC FIRE ALARM ASSOCIATION OF NEW JERSEY

Thursday October 20, 2011

At The Hanover Manor,

16 Eagle Rock Avenue

East Hanover, New Jersey 07936

Go to www.AFAANJ.org for directions and a map

This seminar is beneficial for designers of fire alarm systems, project managers or lead installers responsible for fire alarm systems, Sales people and authorities having jurisdiction responsible for fire alarm system plan review and/or acceptance testing. Discussions and practical exercises intended to improve the participant's knowledge of how to use the building/fire codes for determining fire alarm requirements. This seminar is primarily based on the IBC©, 2006 edition as adopted by the State of New Jersey

THIS SEMINAR IS BENEFICIAL FOR INSTALLERS, SERVICE TECHNICIANS, SALES PERSONNEL, SYSTEM DESIGNERS, ENGINEERS, BUILDING & FIRE SUBCODE OFFICIALS INVOLVED IN ACCEPTANCE TESTING AND/OR PLANS REVIEW, OR IS USEFUL AS A REFRESHER FOR ANYONE INVOLVED WITH FIRE ALARMS SYSTEMS.

- Course Materials -

1. Student workbook (provided)
2. International Building Code©, 2006 edition – (Student to provide but not required)
3. Calculator, pencils and note paper - (Student to provide)

- Course Outline -

- Introduction
- Review of format of International Building Code©, 2006 edition
- General fire alarm requirements
- Specific fire alarm requirements by occupancy type
- Practical exercises and discussion of fire alarm system requirements

WHAT DOES IT COST?

• AFAANJ, NJBFAA members and all government employees -	1-2 attendees	$225.00 each
	3+ attendees	$175.00 each
• Non-members	1-2 attendees	$325.00 each
	3+ attendees	$275.00 each

Registration fee includes student workbooks, coffee and lunch on day of the seminar.

Ninety-eight to ninety-nine percent of previous attendees have indicated they "would recommend to others" and they "received fair value for the money spent and information received."

Instructor: Ed Armm, SET - Automatic Fire Alarm Association of New Jersey

SEMINAR INFORMATION

WHEN: 8:00 am to 4:00 pm

Thursday - October 20, 2011

WHERE:

The Hanover Manor
16 Eagle Rock Avenue
East Hanover, New Jersey 07936
For directions only (973) 992-7425

Register online at www.afaa.org through our secure server and pay by credit card!

(members only, nonmembers must call 678-454-3473)

Or

Register by mail and pay by check!

Please make all checks payable to:

AFAA NJ and mail to:
AFAA of New Jersey
Dennis DeCarlo
C/O Metro Fire & Communications
430 Broad Street
Bloomfield, NJ 07003

All AFAA courses are IACET certified and are accepted for educational credit by NICET and the State of New Jersey

Registration Form For the Understanding Fire Alarm Requirements of the International Building Code Seminar

Please type or print:

Organization _____

Street Address _____

City _____ State _____ Zip _____

Telephone _____ Fax _____

Credit Card No. _____ Exp. Date_____

Cardholder Name (please print) _____

Attendee (s) _____
Name e-mail address

_____
Name e-mail address

_____
Name e-mail address

AFAA, AFAANJ, NJ & NY SFPE & NJBFAA members and government employees	1-2 attendees from the same company - $225 each 3+ attendees from the same company - $150 each
Non-members -	1-2 attendees from the same company - $325 each 3+ attendees from the same company - $250 each

Don't delay! Registration is limited to 40.

REGISTRATION FEES MUST BE PAID IN FULL PRIOR TO SEMINAR.
NICET information can be downloaded from their web site at www.nicet.org.

Cancellation and refund policy:

A full refund of the seminar registration fee may be obtained provided AFAANJ receives **written** notification at least 7 days prior to the start of the seminar. All other cancellations will be subject to a $100 cancellation fee. "No-shows" are ineligible for refunds. Special circumstances will be handled on a case by case basis. AFAANJ seminars are subject to cancellation due to low registrations. AFAANJ cannot be responsible for losses resulting from the cancellation of any seminar. Download additional forms at www.AFAANJ.org

FIRE ALARM SYSTEM TEST & INSPECTIONS SEMINAR

SPONSORED BY:

AFAA NEW JERSEY

THE AUTOMATIC FIRE ALARM ASSOCIATION OF NEW JERSEY

Wednesday October 19, 2011

The Hanover Manor, 16 Eagle Rock Avenue

East Hanover, New Jersey 07936

Go to www.AFAANJ.org for directions and a map

This basic application course describes the requirements for fire alarm systems tests and inspections, and how to correctly perform these tests and visual inspections to meet the requirements of the 2007 edition of NFPA 72, National Fire Alarm© Code, and the 2008 edition of NFPA 70, National Electrical Code©. This fire alarm seminar is beneficial for installers performing acceptance or reacceptance tests of new fire alarm systems; service technicians performing periodic testing and inspections of existing fire alarm systems; building and fire inspectors involved in witnessing acceptance and reacceptance testing; and personnel representing the owner responsible for the testing and inspections of fire alarm systems in their facilities.

This seminar is beneficial for installers, service technicians, sales personnel, system designers, engineers, building & fire subcode officials involved in acceptance testing and/or plans review, or is useful as a refresher for anyone involved with fire alarms.

- Course Materials -

1. Student workbook and handouts (provided)
2. Calculator, pencils and note paper (Student to provide)

- Course Outline -

Why Test and Inspect?

- Enforcement of requirements
- "Selling" Testing and Inspections to the Owner

Visual Inspections

- How to conduct a proper visual inspection
- Documentation

Testing Requirements

- Acceptance Testing
- Reacceptance Testing
- Periodic Testing
- Documentation

Functional Tests

- How to conduct the functional tests
- Using a checklist (provided with course)
- How to conduct sensitivity tests for smoke detectors

WHAT DOES IT COST?

• AFAANJ, NJBFAA members and all government employees -	1-2 attendees	$200.00 each
	3+ attendees	$150.00 each
• Non-members	1-2 attendees	$300.00 each
	3+ attendees	$250.00 each

Registration fee includes student workbooks, coffee and lunch on day of the seminar.

Ninety-eight to ninety-nine percent of previous attendees have indicated they "would recommend to others" and they "received fair value for the money spent and information received."

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C/O Metro Fire & Communications
430 Broad Street
Bloomfield, NJ 07003

All AFAA courses are IACET certified and are accepted for educational credit by NICET and the State of New Jersey

REGISTRATION FORM FOR FIRE ALARM SYSTEM TESTING & INSPECTIONS SEMINAR

Please type or print:

Organization _____

Street Address _____

City _____ State _____ Zip _____

Telephone _____ Fax _____

Credit Card No. _____ Exp. Date_____

Cardholder Name (please print) _____

Attendee (s) _____
Name e-mail address

_____
Name e-mail address

_____
Name e-mail address

AFAA, AFAANJ, NJ & NY SFPE & NJBFAA members and government employees	1-2 attendees from the same company - $200 each 3+ attendees from the same company - $150 each
Non-members -	1-2 attendees from the same company - $300 each 3+ attendees from the same company - $250 each

Don't delay! Registration is limited to 40.

REGISTRATION FEES MUST BE PAID IN FULL PRIOR TO SEMINAR.
NICET information can be downloaded from their web site at www.nicet.org.

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Download additional forms at www.AFAANJ.org

INTERMEDIATE FIRE ALARM SEMINAR

(NICET Level I-II Prep and Review of NFPA 72)

SPONSORED BY:

AUTOMATIC FIRE ALARM ASSOCIATION OF NEW JERSEY

Monday and Tuesday October 17 &18, 2011

The Hanover Manor
16 Eagle Rock Ave
East Hanover, NJ 07936

THIS SEMINAR IS BASED ON

2007 Edition of NFPA 72, The National Fire Alarm Code

The program has been updated to prepare the attendee for the computer based testing NICET currently employs.

Ed Armm, SET will be conducting this training

INTERMEDIATE FIRE ALARM SEMINAR COURSE CONTENT

Review of NICET Application Process

- Signaling Systems Fundamentals
- Initiating Devices
- Applicable Sections of the National Electrical Code
- Fire Alarm System Interface with Sprinkler Systems
- Fire Alarm System Interface with HVAC Systems
- ADAAG Fire Alarm System Requirements
- Protected Premises Fire Alarm Systems
- Notification Appliances
- Household Fire Warning Equipment
- Fire Alarm System Interface with Elevators
- Inspection, Testing and Maintenance

RECOMMENDED PREREQUISITES

- Basic knowledge of Fire Alarm Systems, and
- A minimum of two years' work experience in the fire alarm field

MATERIALS PROVIDED

- Student workbook and reference manual
- NFPA 72, *National Fire Alarm Code*, 2007 edition
- Any NICET Literature must be downloaded from their website.

WHAT IS THE COST?

AFAA members and all government employees	1-2 attendees	$399.00 each
	3+ attendees	$350.00 each
Non-members	1-2 attendees	$499.00 each
	3+ attendees	$400.00 each

Non member special, pay an additional $101.00 to the non-member fee for the first attendee and become a member of the AFAA of New Jersey for the remainder of 2011, that will get any additional attendees from your company in for the member price. To take advantage of this offer payment must be buy check directly to AFAANJ

Registration fee includes a student workbook, a copy of NFPA 72-2007 *National Fire Alarm Code*, coffee and lunch each day of the seminar.

Ninety-eight to ninety-nine percent of previous attendees have indicated they "would recommend to others" and that they "received fair value for the money spent and information received."

SEMINAR INFORMATION

WHEN: 8:00 am to 5:00 pm

Monday—October 17, 2011
Tuesday - October 18, 2011

WHERE:
Hanover Manor
16 Eagle Rock Avenue
East Hanover, NJ 07936

The registration fee includes course book, NFPA 72, 2007 coffee, and lunch.

Please make checks payable to
AFAA NJ and mail to:

AFAANJ
Dennis DeCarlo
C/O Metro Fire & Communications
430 Broad Street
Bloomfield, NJ 07003

You can make a secure payment online at http://www.afaa.org. or call 678-454-3473

Full payment is required prior to attending the seminar.

NICET information and forms can be found at http://www.nicet.org

REGISTRATION FORM
INTERMEDIATE FIRE ALARM SEMINAR

Please type or print:

Organization _____

Street Address _____

City _____ State _____ Zip _____

Telephone _____ Fax _____

Credit Card No. _____ Exp. Date_____

Cardholder Name (please print) _____

Attendee(s) _____
Name e-mail address

_____
Name e-mail address

_____
Name e-mail address

AFAA, AFAA-NJ, NYFAA, NJ & NY SFPE & NJBFAA members and government employees — 1-2 attendees from the same company - $399each; 3+ attendees from the same company - $350 each

Non-members - _____ 1-2 attendees from the same company - $499 each; 3+ attendees from the same company - $400 each

Don't delay! Registration is limited to 40.

REGISTRATION FEES MUST BE PAID IN FULL PRIOR TO SEMINAR.
NICET information can be downloaded from their web site at www.nicet.org.

Cancellation and refund policy:

A full refund of the seminar registration fee may be obtained provided AFAA-NJ receives written notification at least 7 days prior to the start of the seminar. All other cancellations will be subject to a $100 cancellation fee. "No-shows" are ineligible for refunds. Special circumstances will be handled on a case by case basis. AFAA-NJ seminars are subject to cancellation due to low registrations. AFAA-NJ cannot be responsible for losses resulting from the cancellation of any seminar.

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: September 12, 2011

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

Price: $30.00

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

Topic: Engineering Diplomacy **-** A Look at Fire Protection Challenges in Department of State Overseas Facilities. Mert Bunker PE, CFEI— The US DEPT of State

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.

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

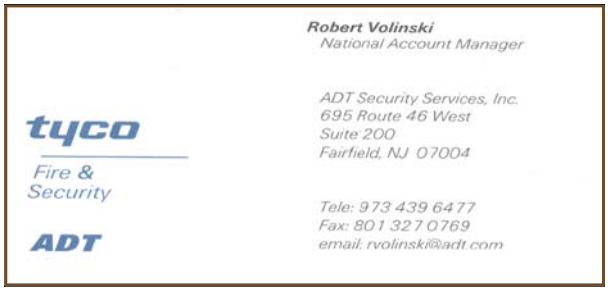
OR PAY AT THE DOOR

NAME: _____

COMPANY:_____TELEPHONE:_____

Meeting Dates/Programs 2011-2012

September 12	**Engineering Diplomacy** - A Look at Fire Protection Challenges in Department of State Overseas Facilities. Mert Bunker PE, CFEI— The US DEPT of State
October	Field Trip to Air National Guard 177th Fighter Wing at Atlantic City Airport. See high expansion foam systems, F 16 Fighters various hanger protections systems
November 7	Fire & Smoke Curtains—A discussion of what the latest standards are and how to apply them
December 5	Loss lessons—A forensic review of one or more fire or explosion losses
January 9	Ignitable liquids—results of the recent FM testing
February 6	Hazards of solar panels
March 5	***NFPA Combustible Dust Standards***
April 20	3rd Annual NJSFPE/AFAANJ Symposium and Trade Show a full day of presentations and vendors. CEU's to be had.
May 7	Tyco trailer/pre-action testing
June 4	**Annual Meeting - NFPA 3**
June 18	Golf Outing—West Point Big fund raiser for the joint NY & NJ Scholarship.



2008-2009 Chapter Committees

STANDING COMMITTEES

Program
Ed Armm, Chairman
Consulting - Peter Rullo
Richard Ravaioli
Arrangements
Vicki Serafin, Chairperson

Membership
John Cholin, Chairman

Nominating
Dave Gluckman, Chairman
Glenn Dietz
Chuck Gandy

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
Website—Joe Janiga
Facebook & Twitter Coordinator—Todd Vazquez

SPECIAL COMMITTEES

Bylaws
Jim Tolos, Chairman
Joe Janiga - Co-Chairman

Career Recruitment
Al Dopart, Chairman
Glenn Deitz
Dave Gluckman
Glen Buser

Golf Outing
Richard Reitberger, Chairman
Joe Janiga

Awards
Rich Reitberger, Chairman

PE Examination
John Cholin, Chairman
Joe Janiga
Mike Newman
Chuck Gandy

Chapter Seminar/Field Trip
Richard Reitberger, Chairman
Dave Gluckman
Joe Janiga

Legislative
Rich Reitberger, Chairman
Vinnie Fichera
Jerry Naylis
Dave Kurasz

Finance
Rich Reitberger - Chairman
John Cholin
Bob Murray

HELPFUL LINKS

ADAAG http://www.access-board.gov/adaag/about/index.htm
AFAA National http://www.afaa.org/
AFSA http://www.firesprinkler.org/
ANSI http://web.ansi.org/
ASHRAE http://www.ashrae.org/
Campus-Firewatch http://www.campus-firewatch.com/
Coffee Break Training http://www.usfa.dhs.gov/nfa/coffee-break/
CPSC http://www.cpsc.gov/
CSAA http://www.csaaul.org/
Municipal Codes (E Codes) http://www.generalcode.com/Webcode2.html
FDNY http://nyc.gov/html/fdny/html/home2.shtml
FM Global http://www.fmglobal.com/
FSDANY http://www.fsdany.org/regs.htm
FSI http://www.firesprinklerinitiative.org/
FSSA http://www.fssa.net/
Fire Tech Productions—Nicet Training (FTP) http://www.firetech.com/
Home Fire Spklr Coalition http://www.homefiresprinkler.org/
HVAC Bld. Control Fire Safety http://www.iklimnet.com/hotelfires/hotelfiresmain.html
AFAA-NJ http://www.afaanj.org/
International Code Council - http://www.iccsafe.org/
International Code Council Residential Sprinkler Exam - http://www.iccsafe.org/news/nr/2009/0709_ResidentialSprinklerExam.pdf
The Joint Commission (JCAHO) - http://www.jointcommission.org/www.JointCommission.org/
Material safety data Sheets (MSDS-OSHA Site) - http://www.osha.gov/SLTC/hazardcommunications/index.html
National of Fire Equipment Distributors (NAFED) - http://www.nafed.org/index.cfm

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Do you want your business to be known by over 125 professionals in the local Fire Protection industry? Advertise in the Fusible Link. $100 per chapter fiscal year. Contact Vicki Serafin for more info: Vicki.serafin@affiliated fm.com