



# Society of Fire Protection Engineers

New Jersey Chapter

Editor Fusible Link:  
Brad Hart & Ana  
Crisostomo  
Tel. (212) 837-0827  
Fax (212) 344-3060

**President** – Sarge Slicer – 973-993-5947  
**First V.P.** – Rich Reitberger – 973-541-6776  
**Second V.P.** - Glenn Deitz – 973-822-7396  
**Past President** – Chuck Gandy – 973-541-6712  
**Director** - Pat Egan - 973-541-6862  
**Director** - Frank Savino - 908-688-0300 Ext. 222

**Treasurer**– Dave Gluckman – 973-410-4635  
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**Secretary** – Edward Armm – 212-695-6670  
**Asst. Secretary** – Brad Hart – 212-837-0827  
**Director** - Bob Murray - 732-205-9440  
**Director** – Bob Hall – 908-995-4786

## FUSIBLE LINK

[www.njsfpe.com](http://www.njsfpe.com)

<http://groups.yahoo.com/group/sfpenjchapter>

September 2003

### *Message from the President*

I hope you all had a great summer in and around the rain drops.

As we start our 26th year I encourage you to become involved in the Chapter both in attending the meeting and helping on the various committees we have. See the last page for the committee listing and the Chairpersons are always looking for help and assistance. We had our planning meeting in July and I think we have come up with some very good programs for the coming year. But if you have a topic/subject you would like to have discussed, please let us know.

The dues notice for 2003-2004 will be sent out shortly and remember if you include your email address and want to receive notices and information via email the dues are still only \$15.00, otherwise they are \$25.00. For some of you for what ever reason you did not pay your dues for the 2002-2003 year. It is not too late to correct that situation.

One final note the National SFPE is having its Annual Meeting and Awards dinner September 29th in Baltimore, MD in conjunction with Professional Development Week. The Annual Meeting and presentations are free and the Awards Dinner is only \$70.00. If all possible you should try to attend.

I look forward to seeing you all on September 8th.

Sarge

### SFPE MEMBERSHIP MEETING MINUTES OF JUNE 2, 2003

1. The treasurer's report was read and accepted.
2. Rich Reitberger stated that the golf outing in July is booked
3. Rich Reitberger stated that CEU's will be sent via e-mail. Meeting participants desiring CEU's should complete the sign-in sheet to receive CEU credit.
4. Glen Dietz read unopposed nominations for officers and two board of directors for the coming term. President Sarge Slicer cast the lone vote making the election results official.
5. Elected were the following officers:

President  
First VP  
Second VP  
Treasurer  
Asst. Treasurer  
Secretary  
Asst. Secretary

Sarge Slicer  
Rich Reitberger  
Glen Deitz  
Dave Gluckman  
John Cholin  
Ed Armm  
Brad Hart

6. Board of Directors members-at-large elected to a second two-year term as director are:

Member-at-large	Bob Murray
Member-at-large	Frank Savino

7. Scott Hill, P.E., Fire Protection Engineer with Hughes Associates, Inc., gave a presentation on Clean Agent Fire Suppression Technology and recent changes to NFPA Standard 2001.
8. The meeting adjourned at 8:37.



Within 44 seconds the flame developed to about 1.3 m high, involving the top and lower part of the arm side. The heat detector actuated 52 seconds after he ignition, by the rate of temperature rise. Within 54 seconds from the ignition, the flame involved the entire arm side and further developed to the back of the recliner. A minute later, the flame gradually slowed down and became smaller. The temperature inside the room started to drop 105 seconds after the ignition. The fire on the chair changed to mostly smoldering mode with heavy smoke accumulation in the room. The room temperatures lowered to around 30° C within 330 seconds after the ignition. At that time, the visibility in the room was completely lost and only a twinkling flame from the chair was visible on the video.

Afterwards, the fire was slowly built up again for another 7 minutes. The peak temperatures finally reached 178° C in the open joist space and 140° C. It was observed after this test that the exposed pipes and fittings were not visibly damaged. The same pipes and fittings continued to be used in the subsequent experiment.

The CO concentration was 1000 ppm in the recreation room when the sprinkler was actuated. The maximum CO concentration was 1800 ppm at the end of 10-minute sprinkler spray.

The temperatures in the hallway were basically unchanged. Since the door to the recreation room was closed, the hallway temperatures were around 10° C, close to the ambient temperature.

After the sprinkler sprayed for a total of 10 minutes, the water supply to the sprinkler was shut off and firefighters were sent into the room. The firefighters vented the room and manually extinguished the fire that was still smoldering inside the back cushion.

The following will be a series of articles in the *Fusible Link*. It has been taken from “*The Sixth Fire Suppression & Detection Research Application Symposium, Tampa, FL 23-25 January 2002.*”

## FIRE DETECTION AND SUPPRESSION STUDIES AT KEMANO VILLAGE (Part II)

### 2.2 SPRINKLER TEST 2

The second experiment was also conducted in the recreation room. A reclining chair was placed midway between the 2 sprinklers and used as the fire source. The chair was located directly underneath the exposed pipes. A cloth was hung on an arm of the chair and reached down to a small fuel pan placed beside and under the chair. A small amount of diesel (150 ml) was dripped onto the arm and the cloth and into the fuel pan for ease of ignition. This arm was at an equal distance to both sprinkler heads. The fire was started by igniting the cloth hung on the chair. The door of the recreation room was then closed.



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**Dear Members and Friends of the New York Metropolitan Chapter of the Society of Fire Protection Engineers,**

I am extremely pleased to report to you that the National Fire Alarm Code Seminar held June 10-12 at Polytechnic University in cooperation with the New York Metropolitan Chapter of SFPE was a huge success. The instructor for the program was New Jersey Chapter member John Cholin, P.E. There were 38 students in attendance for three (3) full days and the feedback has been terrific.

I was given the opportunity to speak to the group about the Society of Fire Protection Engineers and I am sure some of the students will be interested in joining the New York or New Jersey Chapters.

Polytechnic University was also pleased with the turnout, and Greg Gallagher and I will be meeting with Polytechnic within the next couple of weeks to discuss new SFPE programs for the fall and next spring semesters.

Thanks to all of you who either attended or passed the information along. This certainly proves that there is a need for fire protection education in the New York Metropolitan area.

Let's keep the momentum rolling,

Joe Razza

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**Make your plans to attend SFPE's first ever combined Annual Meeting and Professional Development Conference, September 29-October 3 in Baltimore. [www.sfpe.org](http://www.sfpe.org)**

The week begins with a complimentary one day Annual Meeting program featuring the SFPE Handbook with practical information and how-to's from the Handbook section authors - the leaders of our profession. The Annual Ice Cream Social will part of the day's events as will the Annual Awards and Honor's Banquet, honoring those who have contributed to the profession.

**Associated fire Protection**  
100 Jackson Street Paterson, NJ 07501  
**Roland Straten**  
Professional Engineer  
SPECIALIZING IN THE DESIGN AND INSTALLATION OF:  
**SPECIAL HAZARD SYSTEMS**      **FIRE ALARM SYSTEMS**  
\* FM 200      \* Foam  
\* CO<sub>2</sub>      \* Kitchen  
\* Wet and Dry Chemical      **SPRINKLER SYSTEMS**



Call Today 1-888-FIRE FIX      Buy Online at [www.afpfire.com](http://www.afpfire.com)

This year, SFPE and ASCE's Structural Engineering Institute are co-sponsoring an International Conference on Structures in Fire which will bring the two disciplines together to discuss applications of recent research into practice.

Four days of educational programs follow, including 6 seminars which cover a wide-range of topics including: *Principles of Fire Protection Engineering; Sprinkler Design for the Engineer; Tenability Systems for Smoke Management; Introduction to Fire Dynamics Simulator and Smokeview; Changes to NFPA 72 & 13, 2002; How to Study for the FPE/P.E. Exam; and Dust Explosion-Hazard Recognition, Assessment and Management (NEW COURSE).*

The SFPE Annual Meeting and Professional Development Conference will be held in Baltimore, MD, at the Radisson Lord Baltimore Hotel. Additional information for this historic week-long event can be found at [www.sfpe.org](http://www.sfpe.org) or by contacting SFPE at 301-718-2910.

Rebecca H. Salzman  
Membership Coordinator  
Society of Fire Protection Engineers

[www.sfpe.org](http://www.sfpe.org)

301-718-2910

**J.M. CHOLIN CONSULTANTS, INC.**  
CONSULTING SERVICES -  
FIRE PROTECTION ENGINEERING

JOHN M. CHOLIN, P.E.

101 ROOSEVELT DR.      OAKLAND, N.J. 07436 U.S.A.  
TEL: 201-337-8621      FAX: 201-337-5603



**CAREER OPPORTUNITIES**

More detailed information is contained in previous Fusible Link issues and on [www.njsfpe.com](http://www.njsfpe.com)

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**(1)Associated Fire Protection** is seeking a person with a degree in engineering to design fire protection systems for all types of commercial facilities and be involved in technical sales activities. This position will provide the engineer the opportunity to work on a wide variety of electrical and mechanical engineering projects in which some of the latest fire protection technology can be applied.

A typical project would include: conducting a job site survey, designing a fire detection and/or suppression system to meet the customer’s needs and performing the calculations required to determine that the system will perform as designed. The engineer would then submit the approved plans (signed by AFP’s P.E.) to the local fire official for permit applications and would perform periodic job site inspections to insure that the plans were being followed correctly. Upon job completion, the engineer would arrange for inspection/approval by the local municipality and then turn over all plans to AFP’s System Service Dept. for the scheduling of periodic inspections.

This position would also involve technical sales responsibilities, including determining the viability of potential engineering projects, preparation and tracking of project quotes and the actual closing of sales for projects.

**SPECIFIC DUTIES**

- A) Design of fire protection systems
  - hydraulic calculations for sprinkler, fm-200, halon, & CO2 systems
  - prepare plans and specifications for new and existing work

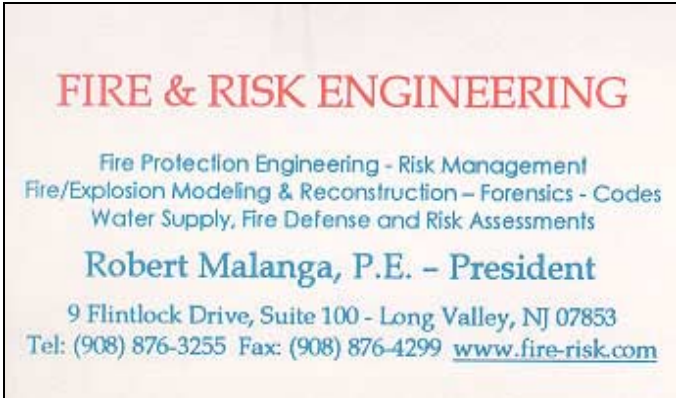
- design control logic for fire alarms and suppression systems
  - operate CADD system
- B) Supervision of projects
    - insure that material gets to job
    - secure permits for work
    - insure that men are trained and properly scheduled
    - review technical progress of projects
    - maintain profitability of projects
  - C) Preparation of job cost estimation and quotes
  - D) General engineering
    - maintenance of facilities
    - time studies to make operations more efficient
  - E) Technical Service
    - learn the technical aspects of servicing fire protection equipment
    - act as emergency service supervisor during duty weeks

**QUALIFICATIONS**

- A) Engineering Degree
- B) Computer Literacy
- C) Ability to interact well with customers and installers
- D) Mechanical and electrical aptitude

Candidates please contact:

100 Jackson Street  
 Paterson, NJ 07501  
 Tel. (973) 684-4500 Ext. 140  
 Fax (973) 684-4511  
[sstraten@afpfire.com](mailto:sstraten@afpfire.com)



**(1)JOB TITLE: SENIOR FIRE PROTECTION ENGINEER**

Website: [www.mricinci.com](http://www.mricinci.com)  
Jobboard: [www.brilliantpeople.com](http://www.brilliantpeople.com)

**JOB DESCRIPTION:** Responsibilities include the application of fire protection engineering principles to deliver the Best Total Solution to our clients. Theoretical knowledge and practical experience will be creatively combined to solve fire protection problems. Responsibilities will include acting as Project Manager for the majority of the projects worked on, and nurturing the client relationship. A successful project is one that delivers a high level of value to the client, as the client defines value.

**Engineering activities may include the design of fire suppression and fire alarm systems; performing on-site construction quality reviews; code evaluation; code equivalency studies and negotiations; fire hazard analysis; performance-based design; fire modeling; failure analysis and litigation consultation. Projects are for multiple clients throughout North America. Travel is expected to be in the 10 to 30 percent range.**

**QUALIFICATIONS:** The ideal candidate must have at least 6 to 10 years experience in fire protection engineering consulting. Experience should be diverse and cover most of the areas described above. A Bachelor of Science degree in Mechanical, Electrical, Chemical, Civil or Fire Protection Engineering is desired. A P.E. in Fire Protection Engineering is preferred but not absolutely required. A Masters degree in Fire Protection Engineering is a plus.

Proven expertise in developing creative and unique engineering solutions to complex problems that deliver value to a wide variety of client types including owners and architects is essential. Excellent communication skills, both oral and written are essential skills to be successful in this position.

**COMPENSATION/BENEFITS:** Compensation will be based on ability and experience, and will consist of a competitive salary, 401K plan, medical/dental plan, and bonus plan based upon individual and company performance.

Contact:  
**DAVID BERTSCHE, CSAM**  
Fire Protection, Construction, Architecture, Engineering  
MANAGEMENT RECRUITERS Cincinnati /  
Sharonville  
EMAIL: [wdb@mricinci.com](mailto:wdb@mricinci.com)  
Tel: (800) 889 - 9294 Ext. 110  
(513) 769 - 4747 Ext. 110  
Fax: (513) 769-0471

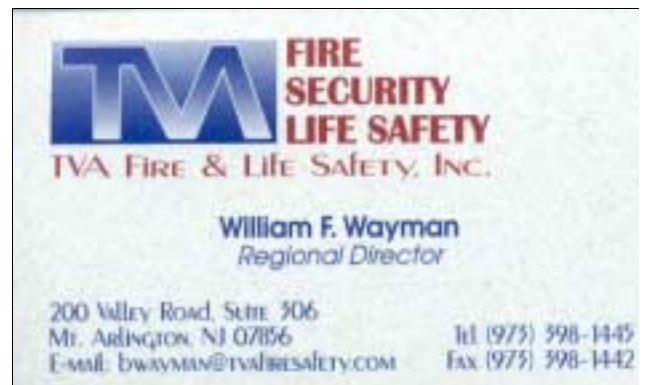
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(2)The U.S. General Services Administration - Public Buildings Service is the federal government's largest real estate organization, owning and leasing over 8000 properties. (see [www.gsa.gov/pbs](http://www.gsa.gov/pbs)) The Northeast and Caribbean Region is currently seeking a fire protection engineer for their Manhattan office. Salary range is \$71560-\$93031 commensurate with experience. To apply go to [www.gsa.gov](http://www.gsa.gov), click on "GSA Jobs" and refer to announcement 0320854DEU. Job will be open from 5/5/2003 to 6/2/2003. You can send an e-mail to "safety.r2@gsa.gov" or call 212-264-4461 for help or additional information.

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(3) Sprinkler technicians needed. Inspection, fitter, &/or repairs. Experienced technicians need only apply. Excellent pay & benefits. Please call Atlantic Fire Service 973-887-9494.

Todd Abrams  
Atlantic Fire Service  
401 Rt. 10  
Whippany, NJ 07981  
973-887-9494 fax-887-0332  
visit us at:  
<http://atlanticfireservice.com>

Sales Service Installation Inspection  
Fire alarm panels, Sprinkler systems,  
Kitchen detection systems, CCTV  
Card access systems, Extinguishers,  
Monitoring

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**(4) Risk Logic Incorporated (RLI)** is looking for a Property Loss Control Consultant to conduct Highly Protected Risk (“HPR”) type loss prevention inspections and write technical reports. The position is virtually open to most any region of the country. Candidates will need to work from home and be expected to travel overnight 5 nights per month. Primary responsibilities will include conducting property loss prevention evaluations with detailed Construction / Occupancy/Protection/Exposure (“COPE”) information as well as fire protection analyses, process hazard reviews and roofing system evaluations. The technical risk analyses will be conducted for large commercial and industrial manufacturing facilities and warehouses.

RLI is a property loss prevention and fire protection consulting engineering company that provides comprehensive unbundled services for insurance brokers, insurance carriers and direct with clients. Most of our services are performed nationwide. RLI has been in business for over 5 years and has over 40 clients. Go to [www.risklogic.com](http://www.risklogic.com) for more information.

Position Requirements: BS – Engineering Degree from an accredited college, PE license a plus. Minimum five (5) years Factory Mutual or equivalent experience. Expertise in conducting PML’s, NLE’s and MFL’s. Understanding of FM & NFPA codes. Strong technical writing skills. Self motivated person who can work efficiently from a home office. Computer literate (Microsoft Windows, Word, Excel, etc.). Adequate interpersonal skills to communicate effectively with various clients.

Position includes a competitive salary paid semi-monthly and a full benefit package including health insurance, dental discount plan, long term disability, 401K, company bonus plan, and holiday / personal day vacation package.

If interested, please contact John Durante at [jdurante@risklogic.com](mailto:jdurante@risklogic.com) or (201) 930-0700.

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**(3) HSB Professional Loss Control** has possible part time opportunities for retired, semi-retired and underemployed loss control and fire protection engineers. Anyone that is interested can contact:

Maurice Marvi  
HSB Professional Loss Control  
(800) 222- 0483 x8020

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(4) Link Technologies is looking for Fire Safety Engineers. Anyone interested should contact:

**Lindsay Banko**  
Link Technologies  
Office: 702.233.8703

[lindsayb@linktechconsulting.com](mailto:lindsayb@linktechconsulting.com)  
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**(4) Project Manager – New Jersey**

The individual will work in the Building and Fire Systems area on various projects in an environment of electronics and sensors. The position is located in Pine Brook, NJ and is a full time direct hire position (formerly known as a permanent position). The company offers a competitive salary and benefits.

Please forward all resumes to John Palmer at [jpgalmer111@intelegra.com](mailto:jpgalmer111@intelegra.com).

John Palmer  
Intelegra, Inc.  
P.O. Box 505  
Far Hills, NJ 07931-0505  
[jpgalmer111@intelegra.com](mailto:jpgalmer111@intelegra.com)  
908-876-5900  
908-876-1788 Fax



# **MEETING DATES/PROGRAM 2003-2004**

**(Programs Subject to Change)**

**Watch web page concerning cancellation In case of possible inclement weather conditions**

Sept. 8 "Fire Alarm & Fire Suppression Law" - Scott Nichols, Pres. NJ NAFED, Northern Fire

THE REMAINDER OF THE YEAR'S SCHEDULE WILL BE PUBLISHED IN THE OCTOBER EDITION.

## **\*Watch Web Page for Weather Announcement**

**POSITIONS TAKEN BY SPEAKERS ARE NOT NECESSARILY THE POSITION OF THE NJ S.F.P.E.**

All meetings are held at the Hanover Manor, Eagle Rock Road, Hanover, NJ (approximately 1/2 miles west of Eisenhower Parkway). Get Acquainted Hour 5:00-6:00 p.m. Adjournment is usually before 8:30 p.m. The Executive Committee meets at 4:00 p.m.

Editors Note--If you would like to advertise your company and help offset the cost of this publication, as well as having your business card in front of over 150 Fire Protection Professionals please call John Cholin at (201) 337-8621 for further information. The cost is \$100 for 10 issues.

## **COMMITTEES 2003-2004**

### **Standing Committees**

#### ***Program:***

Mike Newman, Peter Rullo, Co-Chairs, with input from all members  
Consulting – Nick Chergotis & Chuck Gandy

#### ***Arrangements:***

Mike Newman, Peter Rullo, Co-Chair

#### ***Membership:***

Rich Reitberger, Chairman

#### ***Nominating:***

Chuck Gandy, Chairman  
Glenn Deitz  
Bob Murray

#### ***Scholarship Fund:***

Rich Reitberger, Chairman  
Robert Hall  
Mike Machette

#### ***Auditing:***

Joe Janiga

#### ***Archivist:***

Rich Reitberger (FM Global Library)

#### ***Historian:***

Jim Tolos

#### ***Communications:***

#### ***Fusible Link:*** Brad Hart, Editor

Dave Gluckman, Asst. Editor  
Ana Crisostomo, Publishing  
Vicky Serafin, Mailing/Automation

### **Special Committees**

#### ***Bylaws:*** Jim Tolos, Chairman

Joe Janiga – Co-Chairman

#### ***Career Recruitment:***

Al Dopart, Chairman  
Tom Brereton  
Joe Stavish  
Glenn Deitz  
Dave Gluckman

#### ***Golf Outing:***

Richard Reitberger, Chairman

#### ***Awards:*** John Ed Ryan

Jim Tolos  
Frank Savino

#### ***NY Chapter Liaison:***

Rich Reitberger (Pat Egan back-up liaison)

#### ***PE Examination:***

John Cholin, Chairman  
Joe Janiga  
Mike Newman  
Chuck Gandy

#### ***Joint Seminar/Chapter Seminar***

Richard Reitberger, Chairman  
Nick Chergotis  
Pat Egan  
Dave Gluckman

#### ***Legislative:***

Rich Reitberger, Chairman

#### ***Special Executive Assistant to the Board:***

Vicki Serafin

**Ms. Vicki Serafin  
Affiliated FM  
400 Interpace Parkway  
Bldg C, Third Floor  
Parsippany, NJ 07054  
Phone: (973) 541-6771  
Fax: (973) 541-6909**

**MEETING NOTICE**

Date: Monday, September 8, 2003  
Place: Hanover Manor  
16 Eagle Rock Avenue  
East Hanover, NJ  
Price: In Advance - \$22 At Door - \$25  
Dinner: 5:00-6:00 (Cash bar for mixed drinks)  
Dinner at 6 PM  
Speaker: Scott Nichols, Pres. NJ NAFED – Northern Fire  
Topic: “Fire Alarm & Fire Suppression Law”

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 note for this meeting:**

**PLEASE COMPLETE AND RETURN WITH YOUR CHECK PAYABLE TO  
"SFPE N.J. CHAPTER" TO:**

**Ms. Vicki Serafin  
Affiliated FM  
400 Interpace Parkway  
Bldg C, Third Floor  
Parsippany, NJ 07054**

Prime Rib

Fish

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

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

ALL RESERVATIONS SHOULD BE RECEIVED BY **FRIDAY, September 5, 2003**. TELEPHONE RESERVATIONS OR CANCELLATIONS SHOULD BE RECEIVED BY NOON OF THE MEETING DAY.



Fusible Link Editors NJSFPE  
C/o Rich Reitberger  
Affiliated FM  
400 Interpace Parkway  
Parsippany, NJ 07054