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Society of Fire Protection Engineers

New Jersey Chapter

FUSIBLE LINK

September 2006

Chapter Officers

President

Glenn Deitz - 973-822-7396

First V.P.

Dave Gluckman - 973-410-4635

Second V.P.

John Cholin - 201-337-8621

Past President

Rich Reitberger - 973-541-6776

Treasurer

Bob Murray - 732-205-9440

Asst. Treasurer

Richard Ravaioli - 908-272-0066

Secretary

Ed Armm - 212-695-6670

Asst. Secretary

Brad Hart - 646-572-3920

Director

Vinnie Fichera - 201-493-0999

Director

Bob Hall - 908-995-4786

Director

John Warnet - 212-384-6200

Director

Jerry Naylis - 201-384-2059

President's Message

Another year has come and gone for the New Jersey Chapter of the Society of Fire Protection Engineers. Elections have been held and a new board is taking the helm, although there are many familiar faces still participating. I would like to take the time to thank Rich Reitberger, the NJSFPE Board, past Board members that has remained active and all the members for making the year a success. I am also excited to be working with many of these same people for the upcoming year. We are working to bring interesting presentations to the meetings, a seminar and the golf outing. Each year our lives seem to become more hectic and filled with events. I am hoping that we can bring some new faces to the meetings, convince them to become active members and have some volunteer for positions on the board or committees. As always member concerns, comments and ideas are always invited and welcome. Do not hesitate to contact a board member or discuss items at the meetings. I look forward to seeing everyone through out the upcoming year.

Best Regards,
Glenn Deitz

Visit us on the Web:

www.njsfpe.com

NJ SFPE Membership Meeting Minutes June 12, 2006

The meeting was called to order by President Rich Reitberger at 6:00 pm. Self-introductions were made by all in attendance followed by a salute to the flag.

The General Meeting Minutes for the May meeting were approved as published in the Fusible Link. The Treasurer's Report was read by Bob Murray and accepted.

Rich Reitberger reported that 102 people had signed up for the Golf Outing for the Scholarship Fund. Fifteen hole sponsors had also signed up so far.

Rich also mentioned that there was a balance of approximately \$84,000 in the Scholarship Fund. Alan Kuchinski is a current recipient and will be attending Maryland's Masters program in the fall.

An application for chapter membership was read by Glenn Deitz from a Barry Paul, Senior VP of Engineering at AIG. A motion was made, seconded and voted in by the membership present.

Rich Reitberger said a few words about the Chapter's activities during his term and invited anyone interested in planning for the Chapter and next year's programs to attend the summer planning meeting in August.

Sarge Slicer made a motion to cast a single vote for the slate of officers previously announced in the most recent Fusible Links. The motion was seconded and Brad Hart, Assistant Secretary, cast the vote. The new 2006/07 slate of Directors and Officers were elected.

Glenn Deitz incoming chapter president, presented outgoing president Rich Reitberger a plaque from the Chapter and a past president pin. Rich thanked the chapter and for a great time during his 2-year term as president.

The guest speaker at the meeting was Peter Schmidt of Firestop Solutions, who talked to us about various methods of fire and smoke containment using various barriers of fire stopping materials.

Peter began by saying that there are 3 physical fire protection elements:

Detection
Suppression
Containment

Containment is the element focused on tonight in Peter's talk. A few statistics given were:

- Three quarters of all fire related deaths are by smoke
- 57% of all deaths were not in room of origin
- In the 1993 WTC bombing smoke traveled to the 110th floor in 5 minutes

Points made when using Fire Stopping products:

1. Fire Stop material needs to be properly installed and tooled on both sides of a penetration.
2. Intumescent materials expand under heat and fire conditions.
3. Joint compound is not part of a fire stopping system nor is regular aggregate mortar.

4. There are over 4,500 UL classified systems for penetrations because there are so many variables for specific applications
5. All Fire Stop materials used in a single penetration must be from a single manufacturer. No mix and matching.

Peter also discussed:

- a. Defined the various Fire Stop ratings
- b. Showed proper and improper installations
- c. Went over FM certification test No. 4991
- d. Discussed how to inspect and ASTM 2174/2393

For more information on this subject go to www.fcia.org.

About the speaker:

Peter Schmidt is committed to raising the standards of life safety and building preservation through public awareness and improved regulatory practices in the firestop industry. He is actively involved with the training of building professionals, including Inspectors, Fire Marshals, and the Department of Health.

Recently, he has had the opportunity to write the firestopping specification for the code compliance division of the Dormitory Authority for the State of New York. Peter Schmidt is employed by Firestop Solutions, the country's first Factory Mutual FM 4991 and first Hilti Accredited Firestop Contractor. Firestop Solutions is a division of Medigas Lifesafety Group.

SFPE Professional Development Conference and Exposition

will be held October 16-20, 2006 at the Turf Valley Resort and Golf in Ellicott City, Maryland (south of Baltimore). This event provides an opportunity to learn new developments in the fire protection engineering profession. The SFPE Annual Meeting, a one-day, complimentary event allows attendees to hear and influence the direction of the Society. The Annual Meeting will also feature technical presentations on topics of interest to the fire protection engineer and allied professionals. Following the Annual Meeting there will be a series of seminars and a first of its kind symposium entitled, "*Partners for Protection: Fire Protection Engineers and the Fire Service*." The keynote speaker for this symposium will be FDNY Battalion Chief Gerald Tracey. To register for an event or more information [click here](#) or contact **Julie Gordon** at (301) 718-2910 ext. 104.

NJ Chapter's New Website

National SFPE will be hosting our local chapter's website in the near future. It is already under construction. Go to www.sfpe.org, then go to "SFPE Chapters" and then select the New Jersey Chapter.

SFPE Board Seeking Comments on Specialty Certification

The SFPE Board of Directors is currently studying the need for specialty certification programs in practice areas of fire protection engineering. If implemented, a specialty certification program would be designed for professional engineers who want to demonstrate a higher level of fire protection engineering specialization within a specific practice area. The purpose of this program would be to effectively measure an individual's capability to perform a specific task. For example, possible practice areas of certification could include:

- Sprinkler System Design
- Fire Alarm System Design
- Special Hazard System Design
- Computer Fire Modeling
- Structural Fire Protection
- Performance-Based Design

SFPE would like your opinion! If you feel there is or is not a public need for specialty certification programs in practice areas for professional engineers who work in fire protection engineering, please send your opinions to Chris Jelenewicz at chris@sfpe.org.

Career Opportunity

Fire Modeling Support Scientist at NIST

Applications are invited for the position of Fire Modeling Support Scientist with the Fire Research Division in the Building and Fire Research Laboratory (BFRL) at the National Institute of Standards and Technology (NIST) in Gaithersburg, MD. BFRL (<http://www.bfrl.nist.gov/>) is one of the Nation's premier federal laboratories serving the construction and building industries and has statutory responsibilities for fire prevention and control, earthquake hazards reduction, windstorm impact reduction, and building and fire safety investigations.

This is an excellent opportunity for individuals with strong technical credentials who want to consider public service and are interested in a challenging assignment in a premier federal science agency with top-notch scientific and engineering staff. The vacancy is posted at:

http://www.bfrl.nist.gov//866/APG_vacancy2.htm

U.S. citizenship is required. The deadline for applications is **September 15, 2006**. Please feel free to contact me if there are any questions or need more information.

Stop, Drop, and Roll

The following article abstract was published by the National Fire Protection Research Foundation and was written by Tiffney A. Cates and James A. Milke, Ph.D., P.E., from the Department of Fire Protection Engineering at the University of Maryland.

Direct Visual Signaling as a Means for Occupant Notification in Large Spaces Research Project Stop, Drop, and Roll” - The Technical Substantiation Behind Public Fire Safety Messaging report
Tiffney A. Cates and James A. Milke, Ph.D., P.
Department of Fire Protection Engineering, University of Maryland,
College Park, MD 20742

ABSTRACT

The “Stop, drop an roll” (SDR) technique was designed to demonstrate how individuals should respond at the onset of clothing ignition. However, in recent years, suggestions regarding the slogan’s revision have arisen. Educators and fire officials widely use the message to teach groups; therefore, the message needs to be accurate. Ultimately, this project is intended to determine whether the original concept should be reassessed.

To truly analyze the slogan’s effectiveness, and to provide an adequate substitute, a comprehensive study of the aspects of human response to the slogan is undertaken. This study includes assessing the position of arms and hands, procedure for the individual after rolling, and whether flammability of clothing material influences optimum rolling speed. The proper procedure for the individual after rolling and the issue of clothing flammability is addressed through the review of literature. The behavioral study focuses on five hand positions and is performed to test the variable of appendage positions.

The results of the behavioral study indicate that the favored position for hand placement during SDR is with crossed arms. This is a slight variation from the presently-taught method. Also, it is a variation from recommendations of other experts in the fire safety field. The designation of a successful save, considering the severity of burn injuries, and not just survivability should be considered in the interest of raising the level of performance sought with this message. Based on the research, modifying the current four-term SDR slogan to “Stop, Drop, Roll and Cool” has significant merit in attempting to reduce the severity of burn injuries. Studying air gaps and pockets created by certain hand positions and conducting additional research to address the combined issues of clothing flammability and human behavior should be considered to further refine the techniques of Stop, Drop, and Roll and Cool being taught.

New and Improved AFAA (Automatic Fire Alarm Association) Website

This new site contains information on technical subjects, training, code updates,

Associated fire Protection

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Meeting Dates/Programs 2006-2007

DATE	TOPIC
September 11, 2006	Report on FDI Research on Duct Type Smoke Detection - John Cholin, JM Cholin Consultants
October 5 or 6, 2006	Meeting/Seminar Day - Changes to NFPA 13 and NFPA 72 - Ken Isman, Vinny Wayne Moore - John Cholin
November 6, 2006	Field Trip - Newark Airport Continental Hangar Fire Protection - Rich Reitberger
December 4, 2006	Life Safety in Health Care Facilities - Ed Armm
January 8, 2007	Industrial Post Fire Restoration - Rich Reitberger
February 5, 2007	NIST Station Night Club Fire Analysis - Dan Madrowski - Chuck Gandy
March 5, 2007	Commodity Classification Changes - Joe Janiga
April Meeting/Seminar Day	Homeland Security/Disaster Protection of gas and chemical plants
May 7, 2007	Insurance Industry Update
June 11, 2007	J&J Explosion - Mike Newman
June 25, 2007	Golf Outing - Rich & Joe

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MEETING NOTICE

- Date:** September 11, 2006
- 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(s):** John Cholin, JM Cholin Associates
- Topic:** "Report on FDI Research on Duct Type Smoke Detection"

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

NAME: _____

COMPANY: _____ TELEPHONE: _____

ALL RESERVATIONS SHOULD BE RECEIVED BY FRIDAY, SEPTEMBER 8, 2006. TELEPHONE RESERVATIONS OR CANCELLATIONS SHOULD BE RECEIVED BY NOON OF THE MEETING DAY.



2006-2007 Chapter Committees

STANDING COMMITTEES

Program

John Cholin, Chairman
Consulting - Nick Chergotis & Peter Rullo

Arrangements

Vicki Serafin, Chairperson

Membership

Dave Gluckman, Chairman

Nominating

Rick Reitberger, Chairman
Chuck Gandy
Glenn Buser

Scholarship Fund

Chuck Gandy, Chairman
Robert Hall
Mike Machette
Dave Gluckman

Auditing

Joe Janiga, Chairman
John Warnet

Archivist

Rich Reitberger, Chairman
Nicole Davidowitch

Historian

Jim Tolos

Communications

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

SPECIAL COMMITTEES

Bylaws

Jim Tolos, Chairman
Joe Janiga - Co-Chairman

Career Recruitment

Al Doport, Chairman
Glenn Deitz
Dave Gluckman

Golf Outing

Richard Reitberger, Chairman
Joe Janiga

Awards

Frank Savino, Chairman
Rich Reitberger

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

Finance

Rich Reitberger - Chairman
John Cholin
Bob Murray