

## September Meeting Notice

### SPECIAL POINT OF INTEREST

- WELCOME BACK!!
- Dues are coming up, Please send them to John Spitz. The form is on our website.

**DATE:** Tuesday September 13, 2016

**PLACE:** Jacobs Engineering Group Three Tower Bridge Suite 3000 Conshohocken, PA

**5:30 PM:** Fellowship Time

**6:00 PM :** Dinner Program

Our September Meeting technical presentation topic will be:

“New Jersey State Building Code Updates for Fire Alarm and Life Safety Design”

It will be presented by Jason A. Lupa, P.E., FF.

Jason is the Mid-Atlantic Business Development Engineer for Siemens.

One year ago the state of New Jersey officially adopted the 2015 ICC Series of Codes, with amendments.

Reviewing the 2015 IBC code changes with regard to the fire alarm and life safety systems.

# SIEMENS

Don't forget to make your reservation by Friday September 9, 2016; and bring an associate from your company! See you there!

**Cost:** \$25.00 for dinner and program

**Reservations:** By 12 noon, Friday, September 9, 2016

**Reserve with:**

**Lou Annas by E-mail:**

**Lannas@bearindustries.com**

**Or fax: (302) 368-9217**

### Inside this issue:

*President's Spark* 2

*Engineers' Club Update* 2

*Inside Story* 2

*Fire Protection Person of the Year Award* 3

*Back to School* 4

*Calendar of Events* 5

*Dues Notice* 6

*May Meeting* 7

## Special October Meeting Announcement

In October, we will have a special Chapter meeting. This will be a day-time event held at a venue in the Independence National Historic Park in Philadelphia. Details are still being coordinated, and will be finalized based on interest expressed in response to this announcement. Chapter Member Vince Esposito is a Fire Protection Engineer with the National Park Service. He, along with other Independence National Historic Park representatives, will host a tour of at least one (possibly two) Park sites. Our focus will be on the complexities of dealing with fire protection and life safety issues in historic buildings. The event will take place on Tuesday, October 11<sup>th</sup>. As we need to confirm the details with the NPS in early September, we require a count of attendees by **September 12<sup>th</sup>**. Please respond directly to Jeff LaSalle via email if you are interested in attending this event ([jlalalle@LaSalleEng.com](mailto:jlalalle@LaSalleEng.com)) and list "SFPE OCTOBER MEETING" in the subject line. Please attend and support the Chapter and the NPS.

## President’s Spark by Bob Moser PE

It is that time of the year again. Most of our summer vacations are over and everyone is now chomping at the bit to get back to our monthly SFPE meetings where will see our old friends again – and meet some new ones. An exciting year is planned this year with an excellent speaker line up. Jay Stough, our longtime friend and secretary has given over the secretarial reins to our new secretary, Dyllon Slatcher. We welcome Dyllon with open arms. We are planning a special functions this year. Jeff LaSalle is leading those efforts and will be back to us soon with more information. I am sure that we will all have a great time at our first meeting which will occur **Tuesday Sept. 13<sup>th</sup> (Second Tuesday of month as usual)**. We look forward to seeing you all there.

Bob

### FLASHPOINT

“The purpose of FLASH-POINT is to provide a forum for the transfer of information between members of the Philadelphia-Delaware Valley Chapter of Fire Protection Engineers (SFPE) and to give the chapter visibility.

Newsletter/Publicity Committee:

### Dyllon Slatcher

Information for Publication can be submitted to: Dyllon Slatcher

EMAIL:  
dslatcher@OliverFPS.com

This newsletter is published 9 or 10 times per year (September through June) and received as part of membership of the chapter. Membership dues are \$25.00 Collected annually in the fall each year. For an application of membership please contact: **Lou Annas**  
lannas@bearindustries.com

VISIT OUR WESITE AT:

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

Articles written are the views of the Author and not necessarily those of the Philadelphia\_Delaware Valley Chapter of SFPE

## Engineers’ Club of Philadelphia

### 17th Annual Golf Outing: The Mulford Classic

The 17th Annual Golf FUNdraiser will be **Monday, October 10**, when we plan to golf at new location The Bala Golf Club . Enjoy a FUN day with great golf and friendly competition as your peers and clients compete for the most out-of-the-box hole sponsorship idea! The 16th Annual Golf FUNdraiser will be Monday, October 5, when we plan to return to the Blue Bell Country Club . Enjoy a FUN day with great golf and friendly competition as your peers and clients compete for the most out-of-the-box hole sponsorship idea! The winning foursome will also take home the Mulford Prism.

This golf FUNdraiser supports engineering student scholarships, college student paper awards, and outstanding math, science, and engineering teacher and high school students awards, as well as other engineering student outreach activities of the Foundation. These awards are presented at the Delaware Valley Engineers Week Awards Luncheon.

**Registration: 11:30 AM**

**Shotgun Start: 12:30**

To register, please contact [reservations@engrclub.org](mailto:reservations@engrclub.org) or (267) 639-1234

For questions, please contact [Patti Gibson](#).



---

## FIRE PROTECTION PERSON OF THE YEAR AWARD



The Fire Protection Person of the Year Award was created in 1973 to recognize significant achievement in the protection of humanity and the environment from the ravages of unwanted fire and an outstanding contribution to fire protection from outside the membership of SFPE which is broad in scope and has apparent lasting effects.

John E. (Jack) Crowley (PE) is responsible for the one of the most widely used hydraulic wet sprinkler calculation programs designed. In 1973, he started with Texas Instruments routines which by 1977 became personal computers that had to be assembled from kits – five years before IBM and Apple's launched.

In fact, thousands of users every day rely on his mathematical techniques as he applied them into the world of fire protection computational mathematics.

Jack Crowley received an FPE scholarship to Illinois Institute of Technology and graduated with a Bachelor of Science in 1962. Many of his college classmates became well known in the fire protection industry. For Jack, as humble as he is, as immersed in mathematics and fire protection sciences as he could, was to be the engineer behind the scenes. Few knew him or even comprehended the global impact his software would have in saving lives.

With specialized career vocation, he worked for the Kentucky Inspection Bureau, providing code input for none other than Maker's Mark, one of the world's coveted bourbon whiskeys, who repeatedly dealt with fires consuming oak charred barrels under his governmental purview.

Jack worked for such firms as Star Sprinkler by 1975 which became Central Sprinkler with the Meyer family. He was also mentored by Robert C. Worthington, the V.P. of Engineering for Star and Central Sprinkler, a central figure in the world of spray and coverage development surrounding the sprinkler head.

But it was Crowley Design Group, the firm bearing his name with his creation of HyperCalc®, one of the earliest and most widely used computerized fire protection hydraulic analysis programs that reflected his science based fire methods.

Being frustrated with the overly conservative methodologies of standard schedule piping layout, Jack was interested in converting the tedious mathematical equations and calculations into a computational package that gave verifiable output and reduced human error or assumption.

While today we would not hesitate in employing hydraulics, Jack had to convince people that it worked and was a more useful tool in the shop than a pipe cutter or wrench.

Through his tenacious and problem solving mind, Jack sought the mathematical holy grail of sprinkler hydraulics for sprinkler system designers to significantly reduce both fire death rate and property damage when wet or dry pipe sprinkler systems are active and well engineered using computer software. Congratulations Jack!

## BACK TO SCHOOL

IN JULY, a group of fire officials from cities and towns across Massachusetts that have colleges in their communities met at NFPA to discuss the upcoming school year and a perennial challenge: how to start and end the college year without a significant fire tragedy on or around their campuses.

The fears of local fire officials are not without merit. According to “[Campus Fire Fatalities in Residential Buildings \(2000–2015\)](#),” a recent report published by the United States Fire Administration (USFA), there were 85 fatal fires with 118 fatalities in dorms, frats, sororities, and off-campus housing during the 16 academic years examined in the study. Additional facts supported their concerns: nearly all (94 percent) of the fires occurred in off-campus housing; alcohol was a factor in 76 percent of the fires; most fires occurred on Friday, Saturday, or Sunday; and nearly 60 percent of the fires occurred in homes where smoke alarms were either missing or had been tampered with.

These statistics provide important data to inform campaigns aimed at reducing these fires and keeping college kids safe. They lead fire and safety officials to focus on off-campus housing and the lifesaving benefits of smoke alarms and escape planning. This may sound simple, but it can be complicated by the somewhat unique characteristics of those impacted. The target audiences are college-age kids, their parents, and the landlords who rent properties to college students. Most college kids are on their own for the first time, and smoke alarms aren’t usually top-of-mind for them. Parents want to balance letting their children go with telling them what to do, and landlords aren’t always able to keep up with what happens in the house after they hand over the keys.

The group of firefighters that met at NFPA this summer was up to the challenge. The discussion began with an acknowledgment that things are better than they used to be. The number of college-related fires, like fires in general, have declined over the last few decades. More and more college dorms are sprinklered, codes are enforced, and fire safety is presented to students on a regular basis. Nevertheless, the thought of an after-midnight fire ripping through an overcrowded off-campus house jammed with partying freshmen is never far from their minds.

The group came up with a range of strategies for addressing these concerns, from highlighting model landlords who take fire safety seriously to some old favorites such as including a pizza with every fire service outreach effort—you can never go wrong with pizza as an incentive for anything involving college students. They noted that great resources exist from groups like NFPA, [USFA](#), the [Center for Campus Fire Safety](#), [Campus Firewatch](#), [The Michael H. Minger Foundation](#), and others. They also came away with a plan to spearhead a Massachusetts-specific campaign centered around smoke alarms and escape plans, and I’m sure they won’t mind if others borrow it. Make this school year a fire-safe one.

(Lorraine Carli, 1 September 2016, Off-Campus Conundrum)

“SUCCESS IS NO  
ACCIDENT. IT IS HARD  
WORK,  
PERSISTENCE,  
LEARNING, STUDYING,  
SACRIFICE AND MOST OF  
ALL, LOVE OF WHAT  
YOU ARE DOING”  
-PELE

FLYERS TRIVIA!!

Who was the Flyers all-time leader in points per game average?

See page 6 for the answer!



PAGE 4

# September 2016

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5 <b>LABOR DAY</b>	6	7 <b>ASCET SJ chapter Mtg</b>	8	9	10
11 15 ANNIVERSARY OF 9/11/2001	12	13 <b>SFPE MTG 6:00 PM</b>	14	15	16	17
18	19	20 <b>Berks ASCET Mtg</b>	21 <b>ASCET DELAWARE CHAPTER</b>	22	23	24
25	26	27 <b>ASCET Phila CHAPTER</b>	28	29	30	

## Monthly Events

- September 4: LABOR DAY
- September 7: South Jersey ASCET Chapter Meeting @ Collins House
- September 11: 15 year anniversary of the attack on the World Trade Center
- September 13: SFPE Meeting @Jacobs Engineering 6PM
- Sept. 20: Berks ASCET Chapter Meeting: Kutztown, PA
- September 21: Delaware ASCET Chapter Meeting @ Charcoal Pit on Kirkwood Highway in Wilmington.
-

**Society of Fire Protection Engineers  
Philadelphia – Delaware Valley Chapter  
2016-2017 Dues Notice Form**

**Your Name:** \_\_\_\_\_

Please indicate **by an arrow** where you prefer to receive your meeting notices. It is to our advantage to use Email, if possible. **If you want your meeting notices sent to your work email, please give us your home email as a back up.** Thank you.

Business Name and Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Business Phone Number: \_\_\_\_\_ Business Fax Number: \_\_\_\_\_

Business Email Address: \_\_\_\_\_

**Type of experience/expertise in the Industry** \_\_\_\_\_

Home Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Home Phone Number: \_\_\_\_\_

Home Email Address: \_\_\_\_\_

Please indicate which Committees you would be interested in participating:

- Program       Membership       Coop. with other Societies  
 Scholarship       Education       Awards       Historian  
 Liaison with Fire Service       Constitution & By Laws  
 Nominations       Newsletter/Publicity       Finance & Budget

**SFPE National Member:** Yes or No IF yes, Membership Number & level \_\_\_\_\_

**Annual Dues: \$30.00 \$25.00, if paid by October 11, 2016**  
(Please make your check payable to SFPE Philadelphia-Delaware Valley)

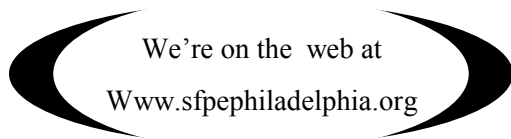
Return this form and check to:  
John Spitz  
c/o Oliver Sprinkler Co.  
501 Fehleley Drive  
King of Prussia, PA 19406



PHILA - DELAWARE  
VALLEY SFPE

209 Mechanic St.  
Doylestown, PA 18901

Phone: (215) 345-8066  
Fax: (215) 345-9357  
E-mail: dslatcher@OliverFPS.com



**MISSION STATEMENT**

The Philadelphia/Delaware Valley Chapter purpose is to advance the art and science of fire protection engineering and its allied fields, for the reduction of life and property losses from fire, to maintain high ethical standards on engineering among its members and to foster fire protection education.

Recognition of fire protection engineering as a discrete engineering discipline is a prime goal. Engineering disciplines exist because there is a special body of knowledge based on the fundamentals of mathematics, physics, chemistry, engineering science and economics.

The chapter strives to facilitate sharing of sound engineering experiences and knowledge between its members and the fire protection community in general with an active program of education and scholarship activities.



Chapter President, Bob Moser, presenting Gerald Forstater with the President's "Hats's Off" award!

**2016 May Awards Meeting**

The 2016 Business meeting was held at the Great American Pub this past may. The night was spent with great friends and good food! Another successful and fun filled evening. The highlights of the evening included presenting John E. (Jack) Crowley with an award for Outstanding Service to the FPE profession. Gerald Forstater, PE, was also an award recipient, receiving the President's "Hats Off" Award.

Many scholarships were awarded this year. However, due to scheduling conflicts only one recipient was able to attend. Allison Lowe of Laurel, DE, who attends Eastern Kentucky University and a graduate of Delaware Tech's FET Program.

Thank you to everyone that attended!



Scholarship Recipient, Allison Lowe, with Chapter member Dave Krebal



Past Chapter President, Michael Veneri Presenting John Crowley his award for his Outstanding Service to the FPE Profession!

**FLYERS TRIVIA ANSWER**

Eric Lindros who averaged 1.36 points per game!