

FLASHPOINT

PHILADELPHIA-
DELAWARE
VALLEY SFPE

SFPE TRADE SHOW

THERE WILL BE NO MONTHLY MEETING FOR THE MONTH OF APRIL. IN PLACE OF THE MONTHLY MEETING THE PHILADELPHIA-DELAWARE VALLEY SFPE CHAPTER WILL BE HOSTING A TRADE SHOW. TO SIGN UP PLEASE SEE THE LINK BELOW.

<https://www.eventbrite.com/e/sfpe-pdv-2018-spring-seminar-and-trade-show-tickets-40997243860>

LOCATION:

DOUBLETREE BY HILTON
301 WEST DEKALB PIKE
KING OF PRUSSIA, PA 19406

TIME:

THURSDAY APRIL 12, 2018
8:00 AM-5:00 PM

PROCEEDS TO FUND THE JOHN D. COOK III AND
PHIL GAUGHAN SCHOLARSHIP FUNDS



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Special points of interest:

- *TRADE SHOW IS THIS MONTH.*
- *OUR ANNUAL BUSINESS MEETING IS NEXT MONTH AT THE GREAT AMERICAN PUB*

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PRESIDENT'S SPARK

On Thursday, April 12th the Chapter is hosting its Annual Seminar and Trade Show. This year's event has already surpassed the 2017 event in number of vendors participating. The seminars will cover a wide range of fire safety and engineering topics. It will be an excellent event, so please sign up to attend if you haven't already done so.

These events inspire me by the diversity of the fire safety challenges and the incredible dedication and creativity of the fire safety professionals who are committed to solving problems. Equally inspiring is the dedication and volunteerism of the group of people in our Chapter who have done an excellent job organizing this event. If you see any one of these people on Thursday, please take a moment to thank them for their dedication to our chapter.

This year the Trade Show and Seminar committee was led by Steve Oliver. He was assisted by Dave Winder, Jack Fairchild, Mike Venneri, Jay Stough, Ryan Schartel, Jim Davidson, Jason Lupa, John Kampmeyer, John Spitz, and Gary Lederman. Apologies if I left anyone off this list. Steve and Dave, in particular, deserve special recognition for negotiating better terms for our rental agreement and for making sure that the proceeds for our Scholarship funds are maximized.

Looking forward to seeing you Thursday.

Yours in fire safety,

Jeff LaSalle

CHAPTER NOMINATIONS

IF ANYONE IS INTERESTED IN RUNNING FOR
AN OFFICER POSITION, PLEASE CONTACT
MIKE VENNERI.

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Thank you to our Morning Break Sponsors



SCHEDULE:

7:00: Registration & Breakfast in Exhibit Hall

Session A held in **Alexander Hamilton Room**

Session B held in **Revere Room**

8:00 - 9:00: Session 1

A: Fundamentals of Combustible Dust NFPA 652
By Bruce McLelland of Fike

B: Bi-Directional Amplification System
By Garth DeHoff of Notifier (Honeywell)

9:05 - 10:05: Session 2

A: Core Competency
By Victoria Valentine of International SFPE

B: NFPA 72 Inspection, Testing and Maintenance
Todd Jaeger of UL

10:10 - 10:50: Break in Exhibit Hall

10:50 - 11:50: Session 3

A: Smoke Control
By John Kampmeyer, PE

B: Swift Wireless Alarm, Mass Notification and ECS
By David Thompson of Gamewell (Honeywell)

11:50 - 1:15: Lunch in the Exhibit Hall

1:15 - 2:15: Session 4

A: Fireflex/Viking Vacuum Dry Systems
By Mike Nagy of Fireflex

B: Fire Risk Analysis of Existing Buildings with
Combustible Cladding
By James A Bychowski, PE, BS FPE of Jensen Hughes

2:20 - 3:20: Session 5

A: Vent to Prevent Corrosion
By AGF Test and Drain

B: Risk Based Fire Safety Designs
By John Frank of XL Catlin

3:25 - 4:25: Session 6

A: Hot Topics in Fire Protection
By Mark Hopkins of NFSA

B: Fire Stopping
By Mark Isza of STI

ENTERPRISE FIBER-OPTIC NETWORKS IN THE CLOUD

Modern telecommunications networks today utilize the capabilities of robust fiber-optic fiber backbones. A large enterprise, spanning 100 acres with over 5 million square feet of occupied space, requested the need to survey and document their extensive fiber-optic networks. The goal was to identify the start and end points of thousands of fiber runs to better understand the network use and availability. The fiber-optic backbones serve a number of critical network assets such as:

- Public Networks
- Multiple Private Networks
- Video Displays on Networks
- VoIP Telephone Communication
- Emergency Telephone Communications
- Radio Traffic Over Fiber
- Supervisory Control And Data Acquisition (SCADA) systems for power monitoring
- Access control communications
- Video surveillance/monitoring data



The objectives for this project were to survey the existing data and determine, if possible, each cable's destination from the data and document the fiber using new cloud-based software.

CLOUD - BASED INFORMATICS

PSE employed cloud-based network management software to create a virtual layout of the buildings, IT equipment racks, fiber patch panels, termination cards, ports, and point-to-point connections. This aided our engineering group to document the information at a faster rate through custom "coding nomenclature" designed by staff to address the software. PSE helped develop the abbreviated nomenclature coding to assist IT personnel in being more efficient when uploading different information to the cloud-based network management software such as network switches, cable management, panels, boards, etc.

Our codes were developed to have the cloud-based network management software process the data and organize it into a well-designed diagrammatic representation of the extensive IT network.

This is the overarching principle of "informatics" in infrastructure. Setting up the information on the cloud-based network management software provided:

- Enhanced productivity
- Ensured higher efficiency
- Provided easier accessibility of administrative rights-based access levels to assure infrastructure security.
- Enables future expansion within the informatics.

This allows hierarchical access limited to: contractors, architects, IT technicians, installers, and others, so that more than one user can concurrently be allowed access to the needed information.

GETTING THE SURVEY DONE

As one might have expected, inconsistencies existed between the original as-built documentation provided to PSE. With this in mind, objectives were met by first taking a step back to grasp a thirty-thousand-foot view for a "big picture" understanding of what was needed, information and infrastructure of each building, and fiber paths. PSE set the standards on labeling and numbering of equipment. Equipment was assigned a unique identifier that ensures consistency and clarity for all designations – currently and for the future.

AFSA PARTNERS WITH RED CROSS

The American Fire Sprinkler Association (AFSA) has teamed up with the American Red Cross to include fire sprinkler information for the first-time ever in its Home Fire Preparedness Campaign.

Launched in 2014, the Red Cross' Home Fire Preparedness campaign has installed more than one million smoke alarms in homes across the country. Now, AFSA and its Public Education & Awareness Committee wants to take this one step further by not only educating the public on having life-saving measures in place in the home, but also educating them on home fire sprinklers as the ultimate protection of their lives and property.

Each year, the Red Cross responds to nearly 64,000 disasters, the vast majority of which are home fires. So, the American Red Cross set a goal to reduce fire-related deaths and injuries in the United States by 25 percent by 2020. To date, Red Cross has documented 348 lives saved.

On average:

- Seven people die every day from a home fire – that's more than 2,500 people a year.
- Thirty-six people suffer injuries as a result of home fires every day – that's more than 13,000 people a year.
- Over \$7 billion in property damage occurs every year.

A critical part of the campaign is "Sound the Alarm," a series of home fire safety and smoke alarm installation events across the country. Together with fire departments and other community partners, Red Cross volunteers to canvas at-risk neighborhoods, install free smoke alarms, replace batteries in existing alarms, and new this year, provide fire prevention and safety education, that includes fire sprinklers!

This year's annual campaign will launch April 28, 2018 in more than 100 cities across the United States. Help AFSA get the sprinkler message in front of millions, and together, we can save lives!

Please help AFSA's Public Education & Awareness Committee raise \$10,000 to include fire sprinklers in this campaign reaching Red Cross' over 4.4 million social media followers as well as thousands of volunteers, homeowners, and disaster victims. More than 90 percent of every dollar donated to the American Red Cross is invested in humanitarian services and programs, like the Home Fire Preparedness campaign.



April 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4 <i>NJ ASCET MEETING</i>	5	6	7
8	9	10	11	12 <i>TRADE SHOW!</i>	13	14
15	16	17 <i>BERKS COUNTY ASCET MEETING</i>	18 <i>DELAWARE ASCET MEETING</i>	19	20	21
22	23	24 <i>PHILLY ASCET MEETING</i>	25	26	27	28
29	30					

APRIL 4: NEW JERSEY ASCET MEETING

APRIL 12: PHILADELPHIA-DELAWARE VALLEY SFPE TRADE SHOW

APRIL 17: BERK'S COUNTY ASCET MEETING

APRIL 18: DELAWARE ASCET MEETING

APRIL 24: PHILLY ASCET MEETING

PHILA-DELAWARE VALLEY SFPE

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Society of Fire Protection Engineers

We're on the web at
www.sfpephiladelphia.org

MISSION STATEMENT

The Philadelphia/Delaware Valley Chapter purpose 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.

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.