

FLASHPOINT

Special points of interest:

- * SFPE Webinar Series
- * Seminar & Tradeshow—
October 14, 2021
- * Election of Officers

REMINDER: REDUCED FEES FOR ANNUAL DUES END OCT 14th!

ANNUAL BUSINESS MEETING

Date: Tuesday, September 14, 2021

Place: *** Virtually via Microsoft Teams ***

5:00 PM: Program Begins

Program: How to Prevent Thermal Runaway in Lithium-Ion Batteries
William Sudah, Mechanical Engineer, Honeywell Xtralis

Cost: \$15.00 for the program.

Reservations: Please RSVP online prior to the meeting.

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RSVP ONLINE AT:

<https://forms.gle/k32rXc5AGyzLF3K1A>

We are happy to accept online payments of dues and monthly meetings. Check it out at our website, www.sfpephiladelphia.org, and in the lower right-hand corner of the page there is a heading "Payment Options". Pick from the drop-down menu whether you are paying for annual dues, a virtual meeting, or an in-person meeting, click "Buy Now" and you will be directed to PayPal for processing.

Seminar & Trade Show October 14, 2021

The Philadelphia / Delaware Valley Chapter of the SFPE, Seminar and Trade Show will return on October 14, 2021. There will be a total of 11 presentations provided throughout the day. Attendees will have the opportunity to choose which topics they are interested in and attend up to 5 sessions during the seminar, plus hearing from our Key Note Speaker, Stephen Kerber from UL. "The Evolution of the Residential Fire Environment".

Cost to attend is \$100.00 and includes all sessions, breakfast & lunch.
CDC & local COVID requirements will be followed

President's Spark by Jack Fairchild, PE, CFPS, CET

The chapter thrived the last two years under Steve Oliver's leadership even as Covid raged. Thank you, Steve for being a great steward. The board has decided to hold the September meeting virtually. We are hoping to be in person (or hybrid) for the November meeting. I've identified the following three primary initiatives to help advance our mission; 20% membership growth, awareness through engagement, and youth outreach. Cabinet has committed to these initiatives, but if you have ideas on how to advance them please speak up or better yet ask to join or lead a committee.

Membership growth happens primarily from word of mouth. Do you know an FPE that isn't a member or doesn't attend? Have a discussion with them. Expound the virtues of our meetings. Talk about our camaraderie, the shared knowledge, the shit shot.

Awareness and engagement beyond our industry also happens from our members spreading their knowledge. Do you have an article you've written or a presentation you've created that you've sat on, but haven't taken the next step? Why not ask a fellow member to review it and get it published? Social media, journal articles, and cross organization (NFSA, AFSA, ASCET, AFAA, etc.) involvement are also all great ways to spread awareness. I've created a twitter account for the chapter. Follow us @PhilaDelValSFPE. If you have content you'd like the account to push out please let me know.

We are nothing if we aren't planning for the future. Youth outreach needs to be a high priority. The efforts John Kampmeyer et al have brought over the years through Future Cities is admirable and I encourage more to get involved in that endeavor. Another way to spread awareness among the younger population is through career days. This is a long term payout as these are generally held in the 7th or 8th grades. I've been doing them for six years and finally have one student going to UofM. Please give thought to presenting to your local schools. Additionally, I plan to assemble a short packet of information that can be distributed to the counseling office at local schools.

Often when planning for the future it is helpful to look in the past. For that reason we are including the very first Flashpoint the chapter published.

We are actively scheduling speakers for the year. If you have suggestions, please let us know. The speaker for the first meeting on September 14th is William Sudah from Honeywell Xtralis. He will be discussing prevention of thermal runaway in Lithium-Ion batteries. If your kid keeps damaging their scooter battery, have them sit in! This meeting is virtual. Hope to see you all there. There will not be a meeting in October as we have our long delayed Spring Seminar and Trade show. That event is all day on October 14th. Please attend and tell your friends! It will be so nice to see everyone face to face. On October 17th through the 19th, SFPE national is holding their conference in Baltimore. A few of us are planning to attend. Let us know at the September meeting if you also plan to attend. Ryan is actively working on events and speakers for the remainder of the year, but we are looking to have at least one "field trip" and are planning to bring back the summer picnic.

I'm thrilled for this opportunity to take the reins and will do my best to drive this chapter in a manner that reflects the members excellence. Thank you for the opportunity to serve as your president.

Best,
Jack Fairchild

FLASHPOINT

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

Newsletter/Publicity Committee:

Frank Ellis

Information for publication can be submitted to:

dvsfpe@gmail.com

This Newsletter is published 9 or 10 times/year (September through June) and received as part of membership of the Chapter. Membership Dues are \$30.00 collected annually in the Fall of the Year.

Visit our web site at:

www.sfp Philadelphia.org

Articles written are the views of the Author and not necessarily those of the Philadelphia-Delaware Valley Chapter of SFPE. ❖

SFPE WEBINAR SERIES

Sign up online at: <https://www.sfpe.org/events-education/sfpewebinarseries>

Leveraging LinkedIn: Staying Close to Clients in a More Virtual World

Sep 14, 11:30 - 12:30 (ET)

Presented by Debra Jasper, Ph.D. Sponsored by FM Global People look you up before talking with you, especially now. So how do you effectively manage relationships and do business in a more virtual world? By increasing your virtual connections through LinkedIn, the world's largest professional network. This webinar will show you how to: Build a 5-Star online presence Double online client touchpoints and stay top of mind Get the new skills you need to advance in a virtual world.

Alternative Means: Opening Protectives at the Elevator

Sep 22, 11:00 - 12:00 (ET)

Sponsored by Smoke Guard The course will create a better understanding of the danger of vertically migrating smoke in multi-story building elevators and how building codes in the United States have evolved to address this threat to building occupants and concerns of emergency responders. Throughout this presentation we will illustrate product applications, both prescriptive and performance-based, commercially available to address this condition at the elevator opening.

Protecting the Future of Lithium-Ion Batteries

Sep 27, 11:00 - 12:00 (ET)

Fire science forms the foundation upon which we conduct fire forensic analyses and determine origin and cause of a fire. The presentation will use examples of research and fire dynamics to illustrate how fire science has been used to discredit junk science; establish our technical basis for what we know; develop new understandings; & refine methods & tools for processing & analyzing fire scenes.

Talkback Mic: Shifting Your Culture One Track at a Time

Oct 5, 11:00 - 11:30 (ET)

Speaker : Deirdre L. Simmons Presented by: DEI Subcommittee Get excited about shifting your culture and fixing "broken records" in this informative, relevant session discussing, biases, business, and the bottom line. Participants will: Recognize some of their own missed notes and bad tones. Analyze key paradigms/instruments that impact organizational culture. Understand how to work towards a perfect pitch through recruiting, learning and development, self-reflection and more!

Tall Mass Timber Buildings & Fire Service Concerns FIRE SERVICE

Nov 10, 13:00 - 14:30 (ET)

Sponsored by the Fire Service Subcommittee Presented by Raymond O'Brocki This webinar introduces firefighters and fire inspectors to tall mass timber (TMT) buildings (that can be constructed up to 18 stories in some cases), the history of cross laminated timber (CLT), how it is made and its properties. The webinar will outline the new code requirements in the International Building Code (IBC) and discuss the extensive fire testing that was conducted. The presentation will also address specific fire service concerns.

Free NFSA Online Training

Advanced Fire Pumps September 14, 2021 9:00 am - 11:30 am EST

This program covers a number of advanced topics in the design and selection of fire pumps including the evaluation of water supplies to calculate suction pressure, the selection of fire pumps under a variety of water supply situations, and the evaluation of discharge pressure to make sure that system pressure does not get too high, especially in high-rise buildings.

Due to the advanced nature of the program, it is recommended that only those already knowledgeable in basic hydraulic calculations (including use of the Hazen-Williams formula and adjustments for elevation) attend. Anyone needing a refresher on these topics is encouraged to read Chapters 30 and 31 in the NFSA textbook Layout, Detail and Calculation of Fire Sprinkler Systems, 2nd edition. This program will be an excellent review session for those people seeking NICET Level III and Level IV certification.

REGISTER HERE:

<https://member.nfsa.org/Events/Calendar-Of-Events/Registration-Start?MeetingId=83ed10aa-2489-4a1d-927a-ebf6ddbb7369>

Advanced Topics in Codes and Standards November 9, 2021 9:00 am - 11:30 am EST

This program covers a variety of advanced topics in the design and installation of sprinkler systems including an explanation of the NFPA Standards Making Process, a discussion of the use of CMSA and ESFR sprinklers, the design of freezer and cooler systems, and the analysis of the results of different tests performed periodically on sprinkler systems. This program will be an excellent study session for those people seeking NICET Level III and Level IV certification.

REGISTER HERE:

<http://member.nfsa.org/Security/Sign-In?returnurl=%2fEvents%2fCalendar-Of-Events%2fRegistration-Start%3fMeetingId%3d869a5624-333d-47ec-9e2b-b4eebd46208d>

Seminar & Trade Show

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Scheduled Speakers / Topics

- **Engineering Ethics - Resolving Disputes Ethically - Rebecca Bowman**
 - **Video Analytics—Rick Jeffress, Fike**
- **Fire Safety Aspects of Energy Storage Systems—Bruce Johnson, UL**
 - **Hypoxic Air Systems—Florian Buchner, Wagner, USA**
 - **Hot Topics in the Sprinkler Industry—Jeffrey Webb, NFSA**
- **Flame & Gas Detection System Technologies & Best Practices—Dave Opheim, MSA Safety**
 - **VacTec –Vacuum Fire Protection Systems—Mike Nagy, FireFlex**
- **City of Phila Update on Enforcement of Smoke Control Systems—Elizabeth Baldwin**
 - **Protection of Mini-Load ASRS Arrangements—Michelle Blanchet, UL**
- **Foam Concentrates and the Change to Florine Free—Jon Walker, National Foam**

Note: Speakers are subject to change

PDH Credits will be offered for each session

Sheraton – Valley Forge

480 North Gulph Road

King of Prussia, PA 19406

Registration & Breakfast 7am to 8 am

Presentations begin at 8 am

Event will conclude by 5 pm.

Reserve your spot online today, space is limited!

Please see the link below to sign up!

<https://www.eventbrite.com/e/90565573067>

Proceeds benefit our Chapter's Scholarship Fund



EVENT CALENDAR

UPCOMING PHILADELPHIA-DELAWARE VALLEY SFPE MEETINGS AND EVENTS:				
Date	Meeting Type	Event	Location	Time
9/14/2021	Monthly Meeting	Lithium-Ion Battery Thermal Runaway	Microsoft Teams	5:00 PM
10/14/2021	Annual Seminar & Tradeshow	Annual Seminar & Tradeshow	Sheraton Hotel, King of Prussia, PA	All Day
11/09/2021	Monthly Meeting	TBD	Microsoft Teams	5:00 PM
12/14/2021	Monthly Meeting	TBD	Microsoft Teams	5:00 PM
1/11/2022	Monthly Meeting	TBD	TBD	TBD
2/8/2022	Monthly Meeting	TBD	TBD	TBD
3/8/2022	Monthly Meeting	TBD	TBD	TBD
4/12/2022	Monthly Meeting	TBD	TBD	TBD



SFPE21

Annual Conference & Expo

Baltimore, Maryland

Conference: Oct 17-19 | Seminars: Oct 20-22

- Preconference festivities kick off October 17 with Exhibit Hall access and Networking events.
- Conference programming will start off with a word from SFPE leadership on October 18th followed by high-level keynote presentations, panel discussions, and breakout track sessions examining the latest industry trends.
- Seminars will be held following the conference on October 20

CLICK HERE TO REGISTER: <https://www.sfpe.org/annual21/register>



2021 Award for Chapter Excellence

The Philadelphia-Delaware Valley SFPE Chapter was notified on July 27, 2021 by SFPE National that we were selected as a recipient of the Gold — 2021 Award for Chapter Excellence! In addition to our chapter, several other chapters are also receiving this award. They are: Central Savannah River Area Chapter, Chesapeake Chapter, Chicago Chapter, Greater Atlanta Chapter, Hong Kong Student Chapter, New York Metro Chapter, New Zealand Chapter, , Rocky Mountain Chapter, Southern California Chapter, Southern Ontario Chapter, Switzerland Chapter, Taiwan Chapter, Tennessee Valley Chapter, Wisconsin Chapter

SFPE will be celebrating the 2021 SFPE Award recipients on October 18 & 19 at the 2021 SFPE Annual Conference & Expo in Baltimore, Maryland. Register by **August 30** to receive the early-bird rate or for more details, visit [sfpe.org/annual21](https://www.sfpe.org/annual21).

2021/2022 SFPE PDVC MEMBERSHIP NEWS

To enhance our distribution list and make sure that we are using the most up-to-date information to reach out to all of our membership, we ask that you please submit a new membership form with every membership renewal. Membership forms can be submitted digitally to dvsfpe@gmail.com or mailed in with your annual dues. Annual dues are \$30 (until October 14th) and can be paid by mailing a check or by visiting our website at www.sfpephiladelphia.org and following the below instructions.

****New!!** SFPE Philadelphia Delaware-Valley Pay your Dues Online!** Thanks to Lokesh Nigam, we are now set up for easy online payment of dues and monthly meetings. Check it out at our website, www.sfpephiladelphia.org, and in the lower right-hand corner of the page there is a heading "Payment Options". Pick from the drop-down menu whether you are paying for annual dues, a virtual meeting, or an in-person meeting, click "Buy Now" and you will be directed to PayPal for processing.

Scholarship Committee Report

The executive board of the chapter has approved granting scholarships to three applicants at our May business meeting. **Andrew Bartkowski**, of Stewartstown Pennsylvania, is a sophomore at Eastern Kentucky University majoring in Fire Protection & Safety Technology in addition to Fire Administration. **Trevor Holmes**, of Seaford Delaware, is also a sophomore at University of New Haven. Trevor is majoring in Fire/Arson Investigation. **Courtney LeMasney**, of Sicklerville New Jersey, is a senior at Rowan University, majoring in Chemical Engineering. Courtney has interned at Haines Fire and has shown an interest in Fire Protection Engineering. Courtney received a scholarship from us last year.

Each of these students have received \$2000.



Philadelphia-Delaware Valley SFPE

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We're on the web:
www.sfp Philadelphia.org

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.

Flashpoint Job Announcements

The SFPE Philadelphia Delaware Valley Chapter Board of Directors has decided that fire protection engineering related job announcements will be welcomed in the Flashpoint newsletters. Job Announcements will be \$50 per month for a 1/3 page advertisement. Submittal of artwork / text to be included in the advertisement is required. If you are interested, please reach out to the DVSFPE Secretary, Tim Murray, at dvsfpe@gmail.com.

Officers for 2021-2022

The officers elected at the May 2021 business meeting are as follows:

President: Jack Fairchild

1st Vice President: Ryan Schartel

2nd Vice President: Tim Murray

Secretary: Frank Ellis

Asst. Secretary: Phil Kerschner

Treasurer: John Spitz

Directors 2020-2022: Joe Chew, Lokesh Nigam

Directors 2021-2023: Dan DeDominic, William Wheeler