



# FIRE BUCKET



October 2018

A publication of the Central Ohio Chapter of the Society of Fire Protection Engineers

[SFPECOC.Webs.com](http://SFPECOC.Webs.com)

## Next Meeting

**Date:** Wednesday, November 14, 2018

**Location:** Spaghetti Warehouse – 397 West Broad St. Columbus, Ohio 43215



**Speaker:** Ron Lowery – Regional Manager – Hazard Control Technologies, Inc.

Ron is an Encapsulator Technology Specialist. Ron will be discussing Encapsulator Technology as covered under NFPA 18A and its use for various classes of high hazards such as Class D Metals, Lithium Ion Batteries and Class A & Class B 3 dimensional applications which foams are not suitable for.

**Time:**

Registration 11:15 – 11:30 am  
Lunch at 11:30 am  
Program 12:15 pm

**Cost:** \$20.00 (Members)  
\$25.00 (Non-members)

Members can also participate in the One-Pay option. You can pay a single/one-time fee and receive ALL the regular scheduled chapter meetings (5) and your local membership dues all for ONLY \$100.00. This is a savings of \$20 for the year.

You must pay the full \$100.00 with the membership application or renewal to take advantage of this program.

Reservations Deadline: November 9, 2018

Contact: Mike Lyons  
mlyons@d8fire.com  
614-207-7590

**Please Note: All who attend, including pre-paid members, must make a reservation and check-in with John Falk, before being seated.**

**If you want to order something other than what's on our set menu options, or add something from the menu, you will have to pay the additional cost.**

## Future Meetings

November 14 – Chapter Meeting  
January 9 – Chapter Meeting  
March 13 – Chapter Meeting  
May 8 – Chapter Meeting

## Burn Center Outing

Our 29<sup>th</sup> annual OSU Burn Center outing was held on September 17, 2018 at the Scioto Reserve Country Club. The outing once again was sold out with 144 golfers participating.

Thanks to the players, event leaders, sponsors and volunteers, this year's outing generated a donation of **\$27,000.**



Dr. Amalia Cochran, Director of the Burn Unit receives the Big Check at the golf outing. The real check for \$27,000 will be presented at the November meeting.



Dave Zink doing his best Payne Stewart Impersonation

The winning team from Koorsen Fire and Security was Justin Pickett, Evan and Andrew Costantinidis and Zack McMichael. They won with a score of 57, winning a playoff with the team from Reliable Fire Protection on the fifth playoff hole.



The Winning Team!

Dave Parke won the ISCO Putting Contest and received \$250 and a trophy. Carl Sellke had a putt for \$2500. It was close! But unfortunately did not go in.

Details on the 30<sup>th</sup> annual Burn Center Golf Outing will be available soon.

The golf outing committee has also been in discussion with the leaders of the burn unit at Nationwide Children's Hospital. We are investigating making donations to each burn unit. We love our Buckeyes. Our goal would be to grow the outing enough to make substantial donations to each. We are looking at the possibility of using two courses for next year's outing. Growing the outing is a big challenge. We hope to have a decision and details available soon.



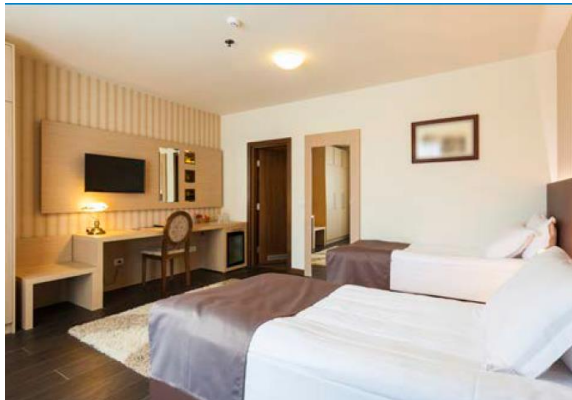
**Did You Know?**

Source: US Fire Administration

Each year, there are an estimated 3,900 hotel and motel fires that cause 15 deaths, 100 injuries, and \$100 million in property losses.

Cooking is the leading cause of hotel and motel fires.

Source: [Hotel and Motel Fires \(2014-2016\)](#) PDF  
596 KB



Fire safety messages to share

- Stay in hotels or motels that have hard-wired smoke alarms and an automatic fire sprinkler system in each guest room.
- Read the fire evacuation plan carefully.
- Find the two closest exits from your room.
- Count the number of doors between your room and the exits. This will assist you if you need to evacuate in the dark.
- Find the fire alarms on your floor.

**SFPE WEBINAR: Trends in Fire Protection Engineering: Challenges of Today and Tomorrow**

Presented by Guillermo Rein, PhD, Reader in Thermal Energy, Department of Mechanical Engineering of Imperial College and Editor-in-Chief of the journal Fire Technology

In this presentation, I will provide an overview of the challenges and global trends impacting Fire Protection Engineering (FPE). I will focus on the most important drivers of change, and on the FPE systems being changed. To do so, I asked fire engineering experts to name and rank current trends and then I will elaborate on these trends. I reached out to the current Board and previous Board of Fire Technology. Fire Technology is the research journal of SFPE (in association with NFPA and Springer Nature) publishing research on the full range of fire hazards since 1965. 72 experts replied with a mix background Industry/Academia of 50/50% and from a wide range of FPE sectors. The results show that FPE is fundamental to society; that it is a rapidly evolving field where systems are changing, creating opportunities and challenges. The drivers for these changes are diverse because FPE is a broad engineering discipline. Our engineers are at the forefront of technology and innovation, and it is exciting and dynamics years ahead.



SFPE MEMBER FEE: FREE

NON-MEMBERS FEE: \$29

[For information and registration, click here](#)

**Propane and natural gas safety in flooding condition**

Source: US Fire Administration

Responding to a gas leak during average conditions is one thing, but responding during a flood or in the aftermath of a hurricane can bring an entirely different set of hazards.



Consider the following tips and information when responding to possible natural gas and propane leaks during flooding conditions:



- Both propane and natural gas smell similar to rotten eggs, but each has a distinctly different odor. All first responders should know these smells.
- Natural gas is lighter than air and will dissipate rapidly. If the leak is inside, this will increase the parts per million in the air and make combustion more likely.
- Propane is heavier than air, but lighter than water. If there is a propane leak, the propane will pool in the lowest area.
- When approaching a propane tank, don't assume the owner has shut off the tank.
- Be aware of hissing sounds, any confined areas of dead or dying vegetation, or water or dirt spraying or bubbling from the ground — all indicators of a leak.
- Be aware that small grill or torch bottles can be easily hidden by debris.
- Propane tanks can float if broken away from their anchor or pipe systems. You may have emergency calls for floating tanks, and it's possible the floating tank could even be on fire as seen in this 2016 video from Louisiana.



[Flaming propane tank floats through the floodwater](#)

**Five injured in reported explosion at Liberty Casting in Delaware**

[Source: NBC4i](#)

Firefighters in Delaware responded to the report of an explosion at Liberty Castings, Tuesday August 21, 2018.

Firefighters were called to 550 Liberty Road Tuesday after receiving calls about an explosion at the iron foundry.

Officials say the fire at Liberty Casting Company in Delaware was already extinguished when crews responded to the scene around 10pm Tuesday.

City of Delaware Fire Chief John Donahue says four people were taken to Ohio State University Wexner Medical Center and another person was airlifted to Grady Memorial Hospital. Donahue says the workers suffered burns but their conditions weren't known.



According to the company's website, they specialize in "gray, ductile and high alloy iron casting."

No further details were immediately available. The cause of the explosion is under investigation.

**Fire Protection Engineering Jobs**

[Click Here](#) to see Fire Protection Engineer jobs that are listed on the SFPE web site. (There is one in Lebanon, Ohio.)



## **Safety Summit slated for Nov. 9**

[Source: Ohio Fire Marshall's Office](#)

The Ohio Division of State Fire Marshal's office and the National Fire Protection Association (NFPA) are partnering to bring a Safety Summit to Ohio on Friday, Nov. 9.



These Safety Summits are conducted throughout the U.S. and Canada to introduce fire prevention officers and fire safety educators to new topics, updated information and updates about NFPA initiatives. This is the first time the event has been planned for Ohio!

Preliminary presentations include:

- Ohio Fire Data and How It Can Be Used to Reduce Risk
- Stocking Your Toolkit
- ABCs of Safety Messaging
- Updates on the NFPA 3000™ (PS) - Standard for an Active Shooter/Hostile Event Response (ASHER) Program
- Red Cross Updates on Smoke Alarm Installation and Canvassing in Ohio
- Successful Model Programs by Ohio Fire Departments and more!

The event will take place from 9 a.m. to 4 p.m. at the Embassy Suites by Hilton Columbus, 2700 Corporate Exchange Dr. Columbus, OH 4323.

This event is currently full. For more information, [click here](#).

## **Man using blowtorch to kill spiders starts house fire**

[Source: NBC4i](#)

FRESNO, Calif. (KSEE/WISH) -- Firefighters in California responded to a gated community to find a man had set his home on fire with a blowtorch while trying to kill spiders.

The Fresno Fire Department responded just before 11 p.m. to a two-alarm fire in the 500 block of E. Mariners circle near Woodward Lake in Northeast Fresno.



Firefighters say the fire started after a man was using a blowtorch to kill spiders. The fire quickly spread into the garage, but firefighters were able to stop the fire before it consumed any of the living space in the 4,000 square foot home.

A total of 29 firefighters responded to the fire. Nobody was injured in the fire

## **SFPE Engineering Guide to Human Behavior in Fire, 2nd Edition** **Coming Soon**

[Source: SFPE](#)

The 2nd Edition of the SFPE Guide to Human Behavior is currently in production. The Guide will be published by Springer in both digital and hard book format. Besides updating all the good information from the 1st edition, the new version will include information on:

- Incapacitating Effects of Fire Effluent & Toxicity Analysis Methods

- Occupant Behavioral Scenarios
- Movement Models and Behavioral Models
- Egress Model Selection, Verification, and Validation
- Estimation of Uncertainty and Use of Safety Factors
- Enhancing Human Response to Emergency Notification and Messaging



[Pre-order Today!](#)

### **Web Links**

SFPE Central Ohio Chapter  
[www.sfpecoc.webs.com](http://www.sfpecoc.webs.com)

Society of Fire Protection Engineers  
(National) [www.sfpe.org](http://www.sfpe.org)

American Fire Sprinkler Association  
[www.firesprinkler.org](http://www.firesprinkler.org)

ICC Website  
[www.iccsafe.org](http://www.iccsafe.org)

National Fire Sprinkler Association  
[www.nfsa.org](http://www.nfsa.org)

N.I.C.E.T.  
[www.nicet.org](http://www.nicet.org)

Ohio State Fire Marshal  
[www.com.state.oh.us/sfm](http://www.com.state.oh.us/sfm)

OSU Fire Safety Website  
[www.firesafety.osu.edu](http://www.firesafety.osu.edu)

Underwriters Laboratories  
[www.UL.com](http://www.UL.com)

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# Society of Fire Protection Engineers Central Ohio Chapter

## APPLICATION FOR MEMBERSHIP IN THE CENTRAL OHIO CHAPTER OF SFPE

NEW

RENEWAL

NAME \_\_\_\_\_

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

PHONE NUMBER \_\_\_\_\_

E-MAIL ADDRESS \_\_\_\_\_

NOTE: We will be sending out all Chapter information via e-mail.

ARE YOU A NATIONAL MEMBER IN SFPE?     YES     NO

Annual dues for the Central Ohio Chapter of SFPE are \$20 and \$10 for Retirees. You can pay a single/one-time fee and receive ALL five of the regular scheduled chapter meetings and your local membership dues all for ONLY \$100.00. This is a savings for the year of \$20.00. You must pay the full \$100.00 with this membership application or renewal to take advantage of this new program. Membership in the Chapter includes the member fee for meetings, and a subscription to *The Fire Bucket*, our Chapter's Newsletter

PLEASE MAIL APPLICATION TO:    John C. Falk, Sr.  
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Westerville, OHIO 43082  
[Jcf\\_sr@yahoo.com](mailto:Jcf_sr@yahoo.com)

Please make check payable to *Central Ohio Chapter, SFPE*. Applications can be submitted at the next meeting. Please complete a new application every year, so we can keep our database current. Dues run from September 1<sup>st</sup> to August 31<sup>st</sup> of each calendar year.

September 2018 – August 2019