



# FIRE BUCKET



May 2014

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

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

## Next Meeting

**Date:** May 14, 2014

**Speaker:** Daniel N. Bak, Senior Forensic Fire Engineer

Recently Dr. Bak joined Scientific Expert Analysis as a Senior Forensic Fire Engineer. His new role brings together over 35 years of cumulated experience in fire protection engineering and performance-approach to be applied in the most testing and challenging environment of the litigation world.



Scientific Expert Analysis™

The presentation that he will share with you is just one example of many demanding projects he spearheaded. Dr. Bak is a past president of the SFPE Singapore Chapter.

**Topic:** Performance-Based Approach Applied to Streamlined Fire Suppression For a Train Line with 23 Underground Stations

**Location:** The Fawcett Center  
2400 Olentangy River Road  
Columbus, Ohio 43210

**Registration:** 11:15 AM Lunch: 11:30 AM

**Cost:** Members \$20.00, Non-members \$25.00.

Please make your reservations for this meeting with Ryan Oyster

Phone: 614 602 0474

E-Mail: [royster@simplexgrinnell.com](mailto:royster@simplexgrinnell.com)

## **Parking**

The parking arrangement at the Fawcett Center has changed. All vehicles must have a parking permit. The good news is that **parking is still free!** Attached is the parking pass for this meeting.



SFPE 5 14 14 Event  
Parking Pass.pdf

As a reminder, it is important that we provide the Fawcett Center with an accurate number of reservations. We can generally work with last minute reservations or cancellations, but please let us know.

## Future Meetings

Our May meeting will be our last meeting before our summer break. Our next meeting will be held in September, 2014.

## Phil Gentile Memorial Golf Outing

Mark your calendars for our 4<sup>th</sup> annual Phil Gentile Memorial Golf outing to be held June 27, 2014 at the Willow Run Golf Course.

A registration form is located at the end of the Fire Bucket.

**“Blaze the Trail”  
for the OSU Burn Unit**

On April 5, approximately 150 runners and walkers took part in a 4 mile walk and run to raise funds for the Burn Unit Access Fund at the Ohio State University Wexner Medical Center. Money in this fund is used to help burn survivors pay for bandages, pressure garments, supplies and community resources. The event was held at the Sharon Woods Metro Park. The run was at night and each participant received a glow stick and necklace to help "Blaze the Trail" that night. [The Central Ohio Chapter of SFPE was a sponsor of this event.](#)



**The fire risk of Intermediate Bulk Containers (IBCs)**

**Click On The Picture for Video**



**Video:** *Intermediate Bulk Containers (IBCs) containing combustible or flammable fluids can cause dangerous fires when improperly stored in warehouses and chemical facilities. Industry and public safety officials are currently working together to help reduce this risk.*

Plastic Intermediate Bulk Containers (IBCs) are popular for shipping large quantities of liquids. But some of these containers also create a dangerous hazard.

When unlisted composite IBCs (those that have not been inspected or certified to provide any fire endurance) containing combustible and flammable liquids are stored in large quantities they pose a high risk for pool fires. They melt quickly in fires, allowing large pools of liquid to

spill and rapidly spread the fire. Additionally, once the IBC is emptied, the composite may ignite and contribute to the fire.

Pool fires can occur faster than the fire protection system can respond and control them, and become catastrophic events as a result.

**Limited compliance with rules that reduce the risk**

Chapters 9, 12 and 16 of [NFPA 30, Flammable and Combustible Liquids Code](#), published by the National Fire Protection Association, establish rules for reducing this risk. But compliance is limited.

**Misunderstood rules**

Many believe U.S. Department of Transportation (DOT) and United Nations regulations permitting shipping of combustible and some flammable liquids in IBCs also apply to their storage. But DOT has no jurisdiction over commodities in storage.

**Unawareness of the risk**

Warehouse or facility personnel responsible for accepting or storing goods often don't know of the serious fire danger created by unlisted composite IBCs containing combustible and flammable liquids. As a result, improper storage often goes unrecognized.

Use this website to learn more about complying with [NFPA 30](#) and how you can help [reduce the risk for dangerous pool fires](#).

**2014 SFPE Conference and Expo**

Save the date of October 12-17, 2014 for the 2014 SFPE Conference and Expo

Location: Hilton Long Beach & Executive Center in Long Beach, CA.

Attend the only forum designed to solve today's challenges in fire protection engineering. Join leaders in the profession for an unique educational experience that is designed to keep you a step ahead. The two-day Engineering Technology Conference highlights

presentations on advanced and cutting-edge practices in fire protection engineering. Following the conference, SFPE will present a series of professional development seminars taught by the profession's leading experts.

- Earn valuable CEUs to meet your licensing requirements.
- Over 50 exhibits showcasing innovative products and services.
- Choose from more than 50 presentations focused on fire protection engineering.
- Network with top professional in the world.
- Get training from leading subject matter experts in the field.

Visit the [conference website](#) for the most up to date details.

**Register by September 17 and SAVE!**



**Data on Home Fires**

U.S. fire departments responded to an estimated average 365,000 home structure fires in 2012. These fires caused:

- 2,380 civilian fire deaths
- 12,875 civilian fire injuries
- \$7 billion in direct damage

Roughly 83 percent of all civilian fire deaths in 2012 resulted from home structure fires.

**Source:** NFPA's [Fire Loss in the United States](#) report.

**National SFPE President's Message**

**SFPE Launches Development of a New Strategic Plan**

*Carl F. Baldassarra, P.E., FSFPE, SFPE President*

Many of SFPE's members are from local chapters around the world, allowing an opportunity for our members to share technical information, develop a network of colleagues with similar goals and challenges and to jointly work toward our goal of advancing the science and practice of engineering a fire safe world. Our local chapters are often the "faces" of SFPE in many communities. It is important, therefore, that our chapters are strong and have support of SFPE HQ.

SFPE has several programs to provide this support. SFPE has templates for chapters' constitution and bylaws such that a new chapter need can be organized and get up and running without an administrative burden of creating language from scratch. These templates are also used when chapters occasionally revise these documents.

In addition to this newsletter to our members, SFPE also publishes a special newsletter intended for chapter leaders, sharing news and the best practices from chapters around the globe to provide suggestions and general information to help chapters provide valuable services to their members.

SFPE also has a thirty-two page Chapter Operations Guide for chapter leaders which addresses topics such as establishing a new chapter, the SFPE Canon of Ethics, chapter structure, elections, meetings, finances and chapter public relations. In addition, SFPE recently launched a quarterly series of best practices webinars geared towards chapters being able to take advantage of the knowledge that exists within SFPE staff and other chapter leaders in embarking on new programs or initiatives. For example, Phil Friday, Chair of the Greater Atlanta Conference Committee

presented “How to host a Successful Chapter Conference.” The webinars are recorded and posted to the SFPE YouTube channel for those not be able to participate in real time. SFPE HQ also has supported chapters in identifying speakers at chapter meetings and seminars.

The SFPE Chapter Support Council was established to recommend and facilitate the implementation of activities of the Society in support of its Chapters, to foster communications between the Board and Chapters and to be an advocate for the chapters. The Council is a standing committee of the Society and serves in an advisory role to the Board of Directors through the SFPE Senate. The SFPE’s President Elect serves as the Chair of the Council. Other members are annually appointed by the Board of Directors and include two at-Large members of the Board of Directors and ten geographically distributed chapter leaders.

Our Chapter Excellence Awards is a program intended to recognize and encourage outstanding performance of our chapters around the world. Awards are based upon established criteria and are presented annually at our annual conference.

Finally, the Chapter Liaison program provides a direct link from each chapter to a member of the SFPE Board of Directors. Chapter liaisons are identified on our website. Board members are encouraged to conduct chapter visits and to provide direct communication with chapters on important issues. Chapter leaders are also encouraged to contact their liaisons if they have a comment or suggestion for the Board.

As you can see, the level of support provided to our chapters reflects the importance of our chapters in serving our members.

## **SFPE Introduces its Members Only Innovations Webinar Series**

Starting in January 2014, SFPE is offering our new Innovations Series with CEU credits, providing an exclusive series of online technical sessions focused on helping SFPE members strengthen their professional skills and stay on top of industry trends. Presenters will lead the webinars, highlighting top technical content that is essential for keeping your skills current. Moreover, each webinar will earn you 0.1 CEUs. Taking all in the series earns you 1.2 in 12 months.

### **MARK YOUR CALENDARS FOR THE FIRST INNOVATIONS SESSIONS!**

**May 20th, 2014 5pm– 6pm EST**  
Tunnel Fire Safety– Performance Based Design  
with David Barber, Principal, Arup

**June 17th, 2014 11am – 12pm EST**  
The Role of Fire Protection Engineering in Sustainable Design with Raymond A. Grill, P.E.,  
FSFPE, Principal, Arup

**HOW TO REGISTER:** Registration opens two weeks prior to each session so look for an email then to sign up. If you have any questions, please contact Sean Kelleher at [skelleher@sfpe.org](mailto:skelleher@sfpe.org). We look forward to your participation!

## **The Ohio Fire and EMS Expo**



The Ohio Fire and EMS Expo will be held on September 25 and 26, 2014 at the Greater Columbus Convention Center. There is free admission to the Exhibition Hall. Click on the logo for more information on this event.

## **Fire Protection Engineering PE Exam Review Class**

Prepare for the 2014 Fire Protection Engineering P.E. Exam from wherever you can access the Internet. This effective, on-line review class will help you organize and navigate through the massive amount of reference material.

Each session is taught live by an expert instructor using the advanced web conferencing technology. You will work with a live instructor over several weeks and can ask questions as they arise throughout the review period. Revised to meet the current NCEES exam specifications, this course is an excellent exam preparation tool. The 14 live 1.5 hour sessions allow for maximum retention.

*Who should attend?* Anyone preparing for the P.E. Exam! Even if you are not taking the exam this year but want to assess your readiness for a future exam, this course is for you. The course is also an excellent refresher for existing engineers, fire marshals, loss control specialists, and anyone else who needs to understand the principles of fire protection engineering.

For more information click here: [2014 Fire Protection Engineering P.E. Exam](#)

## **Join the National Society of Fire Protection Engineers**

The Society of Fire Protection Engineers (SFPE) is the professional organization that represents fire protection engineers worldwide. Through its membership of over 5,000 professionals and 63 chapters, SFPE advances the science and practice of fire protection engineering internationally.



For more information, visit <http://www.sfpe.org/GetInvolved/Membership/Join.aspx>.

## **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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*The FIRE BUCKET is published as a forum for its members.  
Opinions expressed herein do not necessarily reflect those of the  
Society of Fire Protection Engineers, Central Ohio Chapter, or  
its Editor.*



# SFPE Phil Gentile Memorial Golf Outing

Friday, June 27, 2014  
Willow Run Golf Course  
Route 310 & Route 161, Alexandria, OH (740) 927-1932

**Golf & ½ Cart & Dinner - \$ 60.00**  
**Dinner Only - \$25.00**  
**Hole Sponsor - \$50.00**  
Pre-payment is requested

Register: 8:30 am      Tee off: 9:00 am      Lunch: Included – At the turn      Dinner: 2:30 pm

Dinner includes: N.Y. strip steak, potato, relish tray, salad, rolls and butter, soft drinks and beer.

Lunch includes a hot dog or brat, chips and a drink. Sponsored by 

Phil Gentile was one of our most active members of SFPE and Chairman of the SFPE Golf outing since 1990. Phil passed away in 2011. Although not an avid golfer, Phil really enjoyed the golf outings and would strive to make sure everyone had a good time. In 2011, we renamed the SFPE golf outing in his honor. Please join us for a day of fun and to honor Phil's legacy.



All Corporate and individual donations of door prizes are greatly appreciated. Or sponsor a hole and will put your company name and logo on a sign on the tee.

Please make reservations by June 20, 2014  
Send reservations to: Mark Bowman  
13467 Chevington Dr  
Pickerington, OH 43147  
614-751-5049  
E-mail: [mark.bowman@xlgroupp.com](mailto:mark.bowman@xlgroupp.com)

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**Name:** \_\_\_\_\_ **Phone No.:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Members of foursome:** \_\_\_\_\_

Golf & Dinner - \$60: \_\_\_\_\_

Dinner Only - \$25: \_\_\_\_\_

Refreshment Sponsor - \$100: \_\_\_\_\_

Hole Sponsor - \$50: \_\_\_\_\_

Total Enclosed \$ \_\_\_\_\_

***“Credit cards can now be accepted“***

Register as a single and we will pair you up to make a foursome at the course.