



BURNING ISSUE

Volume 29 Issue 6

March 2017

GREATER SAINT LOUIS CHAPTER SOCIETY OF FIRE PROTECTION ENGINEERS

<http://www.sfpe-stl.org/>

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WHEN?	March 20, 2017
WHERE?	The Engineering Center of St. Louis 4359 Lindell Blvd. St. Louis, MO 314-533-9333
PROGRAM TOPIC	NFPA 484 – Combustible Metals
SPEAKER	Mark Drake – Liberty Mutual
OFFICERS & DIRECTORS MTG	11:15 AM – 11:30 AM
REGISTRATION	11:30 AM – 12:00 PM
LUNCH	12:00 PM – 12:45 PM
PROGRAM	12:45 PM – 1:45 PM
BUSINESS MTG	1:45 PM – 2:15 PM
COST	\$18.00 (please note new cost)

RESERVATIONS

Reservations must be called in or emailed to Sheila DeMand at 314-344-0450/sheila.demand@aon.com and received prior to **12:00 PM, Monday, March. 13.** (Please note new reservation cutoff day)

Reservations made and not canceled prior to the closing for reservations will be billed to that member.

SOCIETY OF FIRE PROTECTION ENGINEERS

A not-for profit technical and professional organization, SFPE is the international clearinghouse for fire protection engineering information. The Society's goals are to advance the science and practice of fire protection engineering and its allied fields, to maintain high ethical standards among its members, and to foster fire protection engineering education.

In the NEWS

March Meeting

Our speaker for the March meeting is Mark Drake of Liberty Mutual. Mark is a member of NFPA 484 – Standard for Combustible Metals and will be speaking to us about this topic.

2016/2017 Meeting Dates

DATES	TOPIC	SPEAKER
9/19/16	Fire Pumps and Controllars	Bill Leydig - Claypool Pump
10/17/16	2016 National SFPE Conference Summary	Ben Brooks, Ross & Baruzzini
11/21/16	High Rise Firefighting Operations	Steve Rinehart, Maryland Hts FD
1/16/17	Sprinkler and Smoke Detector Activation Analysis	Matt Goodman, CCI
2/20/17	Mass Notification	Melinda Pfenning, Eaton Corp
3/20/17	NFPA 484 – Combustible Metals	Mark Drake – Liberty Mutual
4/17/17	Plant Tour Ameren – Callaway Energy Center	
5/15/17	Hostage and terrorist situations and Life Safety	Steve Rinehart, AAS, BS, Assistant Chief, Training and Special Operations Maryland Heights Fire District

Get Your Own SFPE – Greater St. Louis Chapter Shirt!!!

We are offering a way for all of our members to display their support of *The Greater St. Louis Chapter of SFPE*. We have an **IZOD** shirt of 100% cotton affixed with our embroidered chapter logo for sale to members at our cost. There will be one XL shirt for viewing and for sale at the upcoming meeting (see photo). The price of the shirt with the logo will be **\$29.00**, including tax and shipping based on orders of 12 or more shirts. **A deposit of \$10 will be needed at the time the shirts are ordered.** Please provide your size and number of shirts desired. There will be a sign-up sheet at the next meeting.

In addition we have available for *immediate sale*, two (2) men's XL shirts, one blue and one white, each shirt embroidered with our SFPE Chapter Logo for \$20 each.

SFPE Portfolios Available For Purchase

We have purchased leather portfolios as a gift to speakers at the chapter meetings. These will be made available to members for \$15. The portfolio includes a calculator, pockets and a pad of 8.5 x 11 in. ruled paper. Anyone interested in purchasing a portfolio, they will be available at the next meeting.

2017 SFPE Golf Outing

Save the date! Our 2017 Golf Outing will be Thursday, September 21.

April Plant Tour

We have approval from our contact at Ameren to take a plant tour of the Callaway Nuclear Plant on April 17, 2017. Mark your calendars! Plan for the entire day starting with lunch and then a tour. See attached additional information in the email sent with this Newsletter. We still have a few slots left if you are interested please let Sheila DeMand know at Sheila.demand@aon.com. Final details will go out in the April Newsletter to be sent on 3/27.

2017 Greater St. Louis Science Fair

Once again our chapter will be awarding \$300 (total) to students with projects related to fire protection! Science Fair Judging this year is on Wednesday, April 26. We usually arrive in time to eat "free judge dinner" around 4:30 or 5 and then spend an hour or so judging projects. We are looking for volunteer judges! If you are interested in volunteering please contact Sheila DeMand at sheila.demand@aon.com or 314-378-8146.

Careers in Fire Protection Engineering

Here's a link to the online version of the new "Careers in Fire Protection" booklet. Please share! (Works best in Firefox browser)
<http://viewer.zmags.com/publication/f128952f/#/f128952f/1>

Request for Articles

We are always looking for informative articles to share

In the NEWS

with our members. If you have authored an article or find one you believe would be of interest, please send it to me at sheila.demand@aon.com

SFPE STL Website Link

<http://www.sfpe-stl.org/>

PDH Certificates

We will be providing a certificate that states the date, title of the presentation, and speaker name along with 1 hour of PDH for every meeting attended. Certificates will be available after the presentations.

FEBRUARY 23, 2017

FM Global develops new fire protection innovation: thermal radiation-activated sprinklers

First-ever scientific research successfully demonstrates the viability of the advanced sprinkler designs and the benefits of bringing such products to market

Commercial and industrial property insurer FM Global has developed a new design for automatic fire sprinkler protection beyond what can be addressed with current commercially available sprinklers. The sprinklers are designed to activate due to their enhanced sensitivity to thermal radiation from flames and would be suitable for particular applications where a new, specialized sprinkler design would be beneficial, such as sprinkler protection beneath grated mezzanines and special fire hazards such as covered open yard storage.

Among the key findings from FM Global's scientific research:

1. There are scenarios where traditional sprinklers developed for ceiling-level protection might not activate in a timely manner, or not at all, because hot gasses from a fire never reach them, despite a fire being physically close.
2. Sprinklers can be designed with enhanced sensitivity to thermal radiation to provide adequate response to the heat from flames of a nearby fire.

3. The sprinklers designed for this study were reliably capable of addressing specialized fire protection scenarios.

The complete findings are available free of charge in a new research technical report titled 'Radiation-Activated Sprinklers' at www.fmglobal.com/researchreports.

"Many major developments in sprinkler technology since 1955 have been a result of FM Global's scientific research," said Louis A. Gritz, Ph.D., vice president, manager of research at FM Global. "We are freely sharing this patented technology with the fire protection industry to encourage the development of commercially available radiation-activated sprinklers. As a mutually-owned insurer with a unique engineering focus, the availability of such sprinklers will benefit our policyholder-owners by helping them better prevent property loss and be more resilient."

About FM Global

Established nearly 200 years ago, FM Global is a mutual insurance company whose capital, scientific research capability and engineering expertise are solely dedicated to property risk management and the resilience of its client-owners. These owners, who share the belief that the majority of property loss is preventable, represent many of the world's largest organizations, including one of every three Fortune 1000 companies. They work with FM Global to better understand the hazards that can impact their business continuity in order to make cost-effective risk management decisions, combining property loss prevention with insurance protection.

SFPE 2016 Golf Outing

