



## SPECIAL POINTS OF INTEREST:

- If you need CEU's, check out the information on the ASCET Conference in November.
- The International SFPE conference is on October 14-19 in Savannah, GA. Still time to register if interested!
- If you have not paid your dues yet, pay by this meeting and save \$5!

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## October Meeting Notice

**Date:** Tuesday Oct 9, 2012

**Place:** Jacobs Engineering Group  
Three Tower Bridge Suite  
3000 Conshohocken, PA

*See Page 6 for directions*

**5:30 PM:** Fellowship Time

**6:30 PM:** Dinner

### **Dinner Program:**

Our own Bob Moser of Jacobs Engineering will be giving an update on fire modeling using CFD, Computational Fluid Dynamics. The fire model FDS (Fire Dynamics Simulator) version 5 by NIST is a very complex model. As with any complex model, it too is susceptible to incorrect programming. But there are ways to assure that the output is

100% correct. This presentation will discuss how to assure that the output is of high integrity. Real examples will be displayed and discussed. Come and see how to use this modeling. Oh, and bring a colleague.

**Cost:** \$25.00 for dinner & program

**Reservations:** By 12 noon, Friday,  
October 5th, 2012

**Reserve with:**

**Bob Moser of Jacobs Engineering  
by E-mail:**

**[Bob.Moser@jacobs.com](mailto:Bob.Moser@jacobs.com)**

**or Fax: (610) 238-1100** ❖

## New President of IFMA

On June 10, 2012 at the annual meeting of the National Fire Protection Association, R.T. (Whitey) Leicht was named President of the International Fire Marshals Association (IFMA). Whitey has been a member of NFPA since 1973 and has served on the IFMA Board of Directors since 1998.

Whitey is the Chief Fire Protection Specialist at the Delaware State Fire Marshal's

Office, where he has served as the Chief of the Technical Services Division. Whitey is a long time member of SFPE and has made presentations for us.

**Congratulations Whitey!**

## President's Spark by Jim Davidson PE

I would like to thank Randy Edwards of Marioff for his very informative program on HI-FOG Water Mist Fire Protection Systems, another tool to provide protection for buildings, dwellings, museums and other areas where water damage from a sprinkler systems discharge is a serious concern. Looks like a product that we will be seeing a lot more of in the future as a means of protecting museums, historic buildings, record storage, data storage and MRI areas.

October's meeting is at Jacobs with the presentation about "**Fire Modeling using Computational Fluid Dynamics (CFD) and how to assure high integrity output.**" by Jacobs' Mr. Robert Moser who is also our chapter's 2<sup>nd</sup> Vice President. **Mark October 9<sup>th</sup> on your calendar**, Outlook, iPad, etc., and do not miss this one!

We are planning our November SFPE meeting to be a joint meeting with ASCET. Do not forget to mark this on your calendar/planner for November 13, 2012.

October is here, that means Fire Prevention Week, Oct 7<sup>th</sup> to Oct 13<sup>th</sup> so get out to your neighborhood fire house and lend a hand promoting Fire Prevention. "**Have 2 Ways Out**" is the theme for this year; the campaign is designed to focus on how to protect your family from fire by pre-planning and integrating simple things into your everyday life.

Fire Prevention Week commemorates the Great Chicago Fire, October 8 & 9, 1871, which killed more than 250 people, left 100,000 homeless, destroyed more than 17,400 structures and burned more than 2,000 acres. However the Chicago fire was not the largest fire that occurred that day; that honor belongs to the Peshtigo Fire. The Peshtigo Fire occurred in in Northeast Wisconsin, burned through 16 towns, killed 1,152 people and burned 1.2 million acres.

Bob Foraker in his October 2007 Spark challenged us to help make a difference during the month of October by doing three things. These three things are still very applicable in October 2012 and are being repeated again in this October issue of Flashpoint:

1. Start at home with your family and neighbors. Check your own smoke detectors for proper operation. Practice your escape plan with your family, and if you don't have a plan, now is a good time to create one.
2. Help spread the fire protection and prevention message to others. Offer to talk to a class at your local school, a community or civic meeting, etc.
3. Become involved in the legislative process. One area of interest is the Fire Sprinkler Incentive Act currently in Congress awaiting action. Review this pending legislation, and communicate with your Senators and Representatives about the bills. Additional information can be found at: <http://www.nfsa.org/fsia/fsiahome.html>

Have a fire safe October!

Jim

**The fire which warms us at a distance will burn us when near.  
- Unknown**

### 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:  
Jay Stough

Information for publication can be submitted to: **Jay Stough**  
Email: [javs@tillevfire.com](mailto:javs@tillevfire.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 \$20.00 collected annually in the Fall of the Year. For an Application of Membership contact: **Bob Moser**  
Email: [Bob.Moser@jacobs.com](mailto:Bob.Moser@jacobs.com)

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

# Counterfeit marks on Sprinkler Hangers

UL and ULC are notifying distributors, contractors, fire departments, regulatory agencies, and authorities having jurisdiction that the Fire Sprinkler Pipe Hanger identified below bears a counterfeit UL and ULC Certification Mark. The Fire Sprinkler Pipe Hanger has not been evaluated by UL or ULC to the appropriate Standards for Safety and it is unknown if the Fire Sprinkler complies with any safety requirements.

**Name of Product:** 3/4" AU-100

**Identification:**

On the product:

The product bears counterfeit UL and ULC Mark and the following information: 3/4" (AU) in a circle followed by -100.



*In 1932, the new Philadelphia Savings Fund Society Building (PSFS building) became only the second skyscraper in the United States to be completely air-conditioned, a major luxury at the time.*

## Fire Protection Research Foundation Symposium

November 7—8, 2012

The Fire Protection Research Foundation, in collaboration with Chicago and Illinois Chapters of the American Institute of Architects, the Chicago High-rise Committee, the Society of Fire Protection Engineers and the Council on Tall Buildings and Urban Habitat presents this symposium at the Courtyard Marriott Chicago Downtown/Magnificent Mile. This symposium will feature perspectives from architects, engineers, the sustainability community, and re-

search institutions on the challenges and opportunities of integrating fire safety and sustainable design. The goal of this event is to bring the fire protection and architectural communities together to discuss these topics and share ideas and best practices for sustainable fire safe design. For more information, [visit the conference website](#).

## FUTURE CITIES OFF TO GREAT START

The school year is off to a great start. So far teams from 38 area schools have signed up and have started designing their cities of the future. Our greatest need at this stage of the competition is for mentors. Remember back to when you were in school - imagine how much having a mentor with real world experience would have helped you design that big project. This is what you can provide to these teams. Just a few hours a month can make a big difference in how students approach their project

and how they start to address it. Please let me know if you are interested in working with any of the schools above and I will get you in touch with the team's teacher. If you'd like to be a mentor, check the website. But if you don't see a school in your area, send an email to [Jennifer Wetzel](mailto:jennifer.wetzel@futurecityphilly.org).

Please check the website at [www.futurecityphilly.org](http://www.futurecityphilly.org) and click on On-Line Volunteer Form.

Sign up now and put Saturday, January 26, 2013 on your calendar!

# ASCET NATIONAL CONFERENCE AND EXPO

The Annual ASCET Conference and Expo will be held at the Radisson Hotel at the Valley Forge Casino on November 8, 2012. The cost is \$75 for ASCET and SFPE members, with a late charge of \$25 for those registering after October 26, 2012. There are 4 different Alarm seminars, 7 Sprinkler seminars, 4 Civil seminars and 2 seminars dealing with NICET testing and OSHA. The registration cost includes lunch and break refreshments. The cost of the seminar also includes a 1 day pass to the casino after 4 PM.

Speakers include Steven Brown, Steven Brown Associates; Rick Coppola, Fire Protection Industries; James Golinveaux, Tyco Fire Protection Products; Terry Victor, Simplex Grinnell; Jim Shwander, Ansul Foam; and Paul Inferrera, Cape Fear Community College.

You can register by mail or online. Check out the schedule and other information at the [ASCET](#) website.



## STANDPIPE SYSTEM RELIABILITY

Imagine what a firefighter who needs to use this standpipe hose station outlet to control a fire would think about the local agency's inspection and code enforcement program. While it's impossible to determine from the photograph how long it's been since this Class I standpipe system was serviced, it is evident from the condition of the valve stem—and lack of a hand wheel—that this equipment is impaired and could not be used in an emergency.

The model fire codes require periodic inspection, testing, and maintenance to enhance the reliability and utility of fire protection systems. (See *Coffee Break Training 2012-17* for a definition of these terms.) Without regular care, these systems can become inoperable, putting lives and property at risk. The codes refer users to National Fire Protection Association (NFPA) 25, *Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems*, for service schedules.

Class I standpipe systems—intended for fire department use—must be **inspected** at least once a year. (See *Coffee Break Training 2006-41* for an explanation of standpipe system classes.) This is the property owner's responsibility and is often contracted to a company or individual that specializes in fire protection systems and equipment. At a minimum, the inspector is required to inspect—and replace or repair—missing caps, valve handles, and gaskets. As part of its annual maintenance, the hose station valve should be exercised and lubricated or repaired if it does not operate smoothly. Any obstructions must be removed.

Every 5 years, the standpipe system must be subjected to performance **tests** that include a flow test to verify that the water supply still provides the design pressure at the required flow. Manual standpipe systems and semiautomatic dry standpipe systems (*Coffee Break Training 2006-42*) must be subjected to hydrostatic tests of not less than 200 pounds per square inch (psi) (13.8 bar) pressure for 2 hours or at 50 psi (3.4 bar) in excess of the maximum pressure, where maximum operating pressure is in excess of 150 psi (10.3 bar).

For additional information, refer to NFPA 25, Chapters 6 and 13.

From the FEMA website. For more information go to [Coffeebreaks](#).



# October 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3 ASCET SJ chapter Mtg	4	5	6
7	8	9 SFPE Business mtg	10	11	12	13
14	15	16 ASCET Berks chapter	17 ASCET Delaware chapter	18	19	20
21 Fireman's Hall Muster	22	23	24	25	26	27
28	29	30 ASCET Phila chapter	31			

- Oct 3: NJ ASCET Meeting @ the Collins House in Collingswood, NJ
- Oct 9: SFPE meeting @ Jacobs Engineering. Don't forget to make your reservation by Friday Sept. 7th.
- Oct 16: Berks County ASCET Chapter Meeting @ Valentino's in Kutztown 6PM
- Oct 17: Delaware ASCET Chapter Meeting @ Charcoal Pit on Kirkwood Highway in Wilmington
- Oct 21: Fireman's Hall Muster @ Philadelphia Fire Academy
- Oct 30: Phila. ASCET Chapter Meeting @ Michael's Dinner in Bensalem

**Society of Fire Protection Engineers  
Philadelphia – Delaware Valley Chapter  
2012-2013 Dues Notice Form**

Your Name: \_\_\_\_\_

Please indicate **by an arrow** where you prefer to receive your meeting notices. It is to our advantage to use Email, if possible.

Business Name and Address:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Business Phone Number: \_\_\_\_\_ Business Fax Number: \_\_\_\_\_

Business Email Address: \_\_\_\_\_

Type of experience/expertise in the Industry \_\_\_\_\_

Home Address:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Home Phone Number: \_\_\_\_\_

Home Email Address: \_\_\_\_\_

Please indicate which Committees you would be interested in participating:

- Program       Membership       Coop. with other Societies
- Scholarship       Education       Awards       Historian
- Liaison with Fire Service       Constitution & By Laws
- Nominations       Newsletter/Publicity       Finance & Budget

**SFPE National Member:** Yes or No IF yes, Membership Number & level \_\_\_\_\_

**Annual Dues: \$20.00 \$15.00, if paid by October 9, 2012**  
(Please make your check payable to SFPE Philadelphia-Delaware Valley)

Return this form and check to:  
John Spitz

c/o Oliver Sprinkler Co.  
501 Feheley Drive  
King of Prussia, PA 19406  
jspitz@oliversprinkler.com



## Phila-Delaware Valley SFPE

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Doylestown, PA 18901

Phone: 215-345-8066 X 22

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### 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.

# Directions to Jacobs Engineering

#### From **Central Philadelphia:**

Follow the Schuylkill Expressway (I-76) west to Exit 29 (Conshohocken). Stay in the center lane. At the traffic light, go straight and cross the Fayette Street Bridge. **At the next traffic light, turn right onto Elm Street. Go two blocks and turn right onto Ash Street. Three Tower Bridge is 1/8 mile on your right at the end of the street.**

#### From **Philadelphia International Airport and points south:**

North on I-95 to Exit 7. Follow I-476 North (toward Plymouth Meeting) to Exit 16. Follow signs for Route 23 Conshohocken. At the traffic light at the end of the off-ramp, turn right. Continue down road merging into the center lane. At the traffic light, go straight and cross the Fayette Street Bridge. Continue from bold text above.

#### From **Allentown and points north:**

Take the Northeast Extension of the PA Turnpike south to Exit 25A (Mid-County Interchange). Follow signs to I-476 South. Continue to Exit 16 (Valley Forge). On the off-ramp, follow signs to Route 23 Conshohocken. At the traffic light at the end

of the off-ramp, turn right. Continue down road merging into the center lane. At the traffic light, go straight and cross the Fayette Street Bridge. Continue from bold text above.

#### From **New York and Northern New Jersey:**

Take the New Jersey Turnpike south to exit 6 (PA Turnpike). Take PA Turnpike west to exit 25A (Mid-County Interchange). Follow signs to I-476 South. Continue to Exit 16 (Valley Forge). On the off-ramp, follow signs to Route 23 Conshohocken. At the traffic light at the end of the off-ramp, turn right. Continue down road merging into the center lane. Continue from bold text above.

#### From **points west:**

On the PA Turnpike, Take exit 24 (King of Prussia). Follow signs for I-76 east (toward Philadelphia). Take exit 28B (Plymouth Meeting). Follow signs for Route 23 Conshohocken. Continue from bold text above.

#### **Jacobs Engineering Group, Inc.**

**Three Tower Bridge, Two Ash Street – Suite 3000  
Conshohocken, PA 19482-2074**