



Chicago ASPENEWS



Chicago Chapter of the American Society of Plumbing Engineers
Vol. 41, No. 9 April 2010

398TH Annual ASPE Chicago Chapter Plumbing Show and Technical Seminars

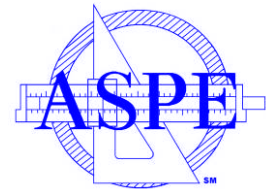
Thursday April 15th, 2010

White Eagle Restaraunt
6839 Milwaukee Avenue
Niles, IL
FREE Parking!



AGENDA

11:00 A.M.-4:15PM	Free Seminars
3:30pm-8:00pm	Product Show
6:45pm	Optional Dinner



*Free lunch to those who attend the seminar AND product show!
*FREE Door prizes throughout the event!

THE FINEST LOCAL SHOW IN THE INDUSTRY! SHOW IS FREE! SEMINARS ARE FREE! CEU'S ARE FREE!

Over 90 Exhibits with more than 500 Products displayed.

Seminars will include:

Room 1 (IL State CEUS)

Seismic Restraints * Codes, Standards and Certifications for Boilers and Water Heaters * Energy Efficient Tankless Hot Water Systems * ANSI Standards for Emergency Equipment

Room 2

Siphonic Roof Drainage *System Curves and Pump Performance * Hot Water Temperature Controls and Applicable Standards * Heat Tracing Systems

Room 3

Grease remediation and recovery devices * Green Concepts: Advantages and Methods of Indirect Water Heating * Fire Protection Innovations * Copper Systems

OPTIONAL \$25 DINNER BUFFET WILL INCLUDE:

Bread & Butter - Polish Sausage & Sauerkraut - Beef with Gravy - Mashed Potatoes – Vegetables - Roasted Chicken – Pierogies – Coffee - Dessert

Local Chapters are not authorized to speak for the Society

PRESIDENT'S MESSAGE

So, what have you been doing with that extra hour you got last month? I've been enjoying the extra sleep myself. Wait, we gave UP an hour didn't we?? NOW I get why I've been getting all those extra looks when I show up at work. Oh mannnn! I think we should always be able to turn the clock back at will. Or maybe just one do-over a year?? Just a thought.



In all seriousness... What's up with ASPE Chicago? Two words – **PRODUCT SHOW!** Yep, the product Show will be here in no time (less than 2 weeks after you get this newsletter). Your Product Show Committee has been hard at work filling the show floor and making this the best Product Show we have ever had. Also, they have been putting together an outstanding slate of seminars. This will be a Product Show not to be missed. The seminars are free of charge as is the exposition (product show). With the Green movement constantly growing and technology constantly improving, there are sure to be some cool new products that you won't want to miss. The Product Show is on Tax Day – **Thursday April 15** and will be at **White Eagle** in Niles, IL. If you have any questions about the show or need to get a last minute booth, please contact Product Show Chairman (and VP Tech) Frank Sanchez at fxs@grummanbutkus.com or Co-Chairman Phill Kroll at pkroll@metrodsn.com ASAP!

At the March meeting, I had the pleasure of appointing a new **Corresponding Secretary, Tony Navarro** from Lehman Design. Tony is eager to dive right in and he is replacing **Peter Wu** who did a wonderful job but is pursuing his new career as a.... uh.... hmmm... not really sure what he's doing. I think it has something to do with livestock, computers, the Clapper and Lady Gaga. But, don't quote me on that. Regardless, GREAT luck to Peter and thank you for serving the Chicago Chapter.

Speaking of appointments, after the Product Show, we will only have ONE more general meeting for the 2009-2010 school year. Seems like we just started, huh? Our May meeting will feature **ELECTIONS!** Although your current Board, aside from Tony, is halfway through its traditional term (2 years); all Board positions ARE available should someone want to run. Our terms are actually two back-to-back 1-year terms. Tony Navarro will be running for Corresponding Secretary. If you want to be considered a candidate for any position other than President, please contact me at jm@grummanbutkus.com. If you want to run for President, please contact Frank Sanchez at fxs@grummanbutkus.com unless you want to tell me person to person that you want my job!

Last thing before I let you go, our **jobs program** is ongoing. The list of people looking and people hiring has remained somewhat constant the past month or so. If you are hiring, please drop me a line to let me know what you are looking for including duties, experience, etc. Likewise, if you are looking for work, let me know what YOU are looking for and give a brief experience level description. Like most of you, I would prefer that everyone was working and there would be no need for this program. However, with things the way they are, I am honored to try to help. If I, or anyone else on the Board for that matter, can be of any assistance, please do not hesitate to let us know. Our contact info is listed to the right of this article (if we're still on page 2!!)

Thanks a lot and see you ALL at the Product Show April 15. Bring your coworkers. Heck, bring your **BOSS!** Let these folks see just what ASPE Chicago has to offer.

Jason McDonald, President
jm@grummanbutkus.com; 847 316.9204

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("C" is required)

TECHNICAL REPORT **FEBRUARY MEETING RECAP**



***Previous February Primer Session::
“Pipe Markers” by Rob Seitz of Kolbi Pipe Markers Company***

Rob’s table top presentation showed us some of his products and provided a few giveaways. He was there to answer all related to piping systems labeling.

***Previous February Technical Program:
“Legionella Control Systems” by Steve Schira of Liquitech***

Steve Schira is the President of LIQUITECH, INC., their company provides non-chemical, environmentally friendly methods for controlling water-borne pathogens. They have over 15 years of documented efficacy and over 600 installations in some of the most prestigious institutions across the globe.

Steve provided an excellent presentation during our April meeting. He clearly explained that Legionella, a ubiquitous bacteria found in warm moist environments, can become dangerous in water distribution systems (where it finds optimal breeding conditions) and has the potential to reach dangerous proportions in any water distribution system.

Eliminating the threat of pathogens in water such as Legionella, Listeria, Salmonella, E. Coli, Pseudomonas, M. Avium and Staphylococcus disinfection systems significantly reduces costs for healthcare providers, improves the quality of care and ensures a safer environment. This translates into a better experience for patients/customers and a superior image for the healthcare facility. When you consider treatment cost to be \$13,973 per infection (modest estimate), any steps taken to reduce this mostly preventable problem would represent a considerable savings of lives and money.

Frank Sanchez, CPD; Vice President Technical
fxs@grummanbutkus.com; 847 316.9251
Reduce, reuse, recycle... Rethink.

GOLF OUTING 2010

This year’s outing will be held on June 18, 2010 at Hilldale Country Club in Hoffman Estates. We will start with a “Shot – Gun” tee-off at 8:30 a. m. (please note time). Shower and locker facilities are available in the clubhouse. Cocktails (cash bar) will begin at 4:00 p.m. with buffet style dinner to follow at 5:00 p.m. As years past, lunch will be served between the 9th and 10th holes. Coffee, juice and rolls will be served from 7:30 a.m. – 8:30 a.m. in the snack shop and beverages will be served throughout the day. There will also be special displays and activities as you play the course.

Reservations forms were mailed out to all affiliate members at the end the beginning of April. As you know, because of the “Shot – Gun” start, we are limited to 152 golfers, so when this limit is filled, we cannot accept any more golfers. Reservations will be accepted on “First Come-First Served Basis”. Each Manufacturer, Sales Rep., Supplier, etc. is limited to two (2) foursomes again. Don’t delay in returning the reservation form. You don’t want to be left out.

Steve Triphahn; Golf Outing Chairman
224 293.6333

April EVENTS

American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)

- Gulf Coast Green 2010 Symposium and Expo, April 15-16, Houston. Contact organizers at Hilton at University of Houston. Contact organizers at info@gulfcoastgreen.org or <http://www.gulfcoastgreen.org/>.

National Fire Protection Association (NFPA)

- NFPA Training, various dates in various cities, for more information visit: <http://www.nfpa.org/catalog/seminarsearch/seminarsearch.asp>, <http://www.nfpa.org>

Illinois Fire Prevention Association (IL FPA)

- Monthly Meeting, April 13, Glendale Lakes Golf Club. Topic of discussion: Latest IDPH Requirements for Sprinkler & Fire Alarm Systems Under IDPH Jurisdiction.. <http://www.ifpanet.org>

Society of Fire Protection Engineers

- Sprinkler Design for the Engineer, April 19-22, 2010 This four-day seminar will be sponsored by the SFPE Minnesota Chapter in Maple Grove, MN.
- SFPE Advanced Fire Alarm Systems Design, April 29-30, 2010 This 2-day seminar is being held at one of NFPA's Professional Development Week in Atlantic City, NJ. <http://www.sfpe.org/>

Sheet Metal and Air Conditioning Contractors' National Association (SMACNA)

- Webinar 11:00 a.m. Topic: Safety Best Practices, April 29. <http://www.smacna.org/events>

L. Anthony Navarro, P.E., Corresponding Secretary

tnavarro@lehmandesigninc.com

News From Your Treasurer

You know I was sitting here trying to decide what I could write that would be upbeat and timely for this monthly newsletter. The only thing I kept coming back to was I've really got to find a way to say thanks to ASPE. And there it is, as simple as can be and the way my mother taught me; Thank you, Chicago ASPE Chapter members, for making our chapter successful.

With the current economic conditions we are very fortunate to have this networking opportunity and I hope that our members take full advantage of all the things that ASPE has to offer. ASPE is one of the reasons our group does well. We continually raise the bar each year and I am proud to be associated with our profession.

Sean Allard, Treasurer

sallard@esdesign.com; 312 580.0553



MEMBERSHIP REPORT



Hello again from your friendly V.P of Membership,

A closer look at the Chicago Chapter shows that even though we have been facing some tough times, we are still the strongest--and I believe--the best chapter in our society. Our current membership stands at 366 professionals. We have lost some members due to ongoing work shortages, but we would like to encourage people to come to the monthly meetings to network for new jobs, and to meet new and old chapter members.

In the past, the Chicago chapter has had over 400 members-- and we can still match or even exceed this goal by actively networking . So, if you know of someone who would be interested in becoming a part of the best plumbing society in the WORLD, send them an e-mail or call them and ask if they would like to join us! I know for a fact that even some ASHRAE members will be joining ASPE in the near future.

Did you know that every time you bring a new paid member to ASPE, both of you will receive a free dinner? For all engineering students, the Chicago Chapter will provide free membership (and even pay for the renewal dues) as long as you remain in an engineering curriculum.

Again, if anyone that you know needs help with their dues renewal, ASPE National has a "**compassion waiver**," program which allows a member to maintain their membership over a three month period. At the end of the third month they can renew at a discounted membership rate.

Please let us know when you move or change jobs so we can keep the Chicago ASPE directory current and up to date. This helps with e-mailings for the Monthly Newsletters as well as keeping records current at ASPE Headquarters.

HELPING EACH OTHER IS THE CHICAGO WAY!

Mark Mannarelli, Vice President Membership
mmannarelli@esdesign.com; 312.456.2354



ADMINISTRATIVE SECRETARY UPDATE

Greetings! We are moving towards the spring, longer days and more sunshine (hopefully everyone notices that). Also, we are looking forward to our annual Product Show. Don't miss it! It is a great opportunity to communicate with each other, share the latest news in the industry and get some CEU's.

Last meeting we dedicated our 50/50 raffle to the Chicago Food Depository, which benefits children, working poor and elderly. Tom Lang of Mifab Inc., won a raffle and donated his winning back to charity. Thank you, Tom, it was very nice of you. Free dinner went to Brian Hank of Meilner. Congratulations guys!

As always, truly yours,

Natalia Dankanich, Administrative Secretary
nkd@grummanbutkus.com; 847 316.9208

CHA, CHA, CHA, CHA,.....CHANGES!

2010 has brought in several changes as it relates to our Industry, with more to come. Most of these have occurred in the "Green" arena.

IAPMO (International Association of Plumbing and Mechanical Officials) has announced their Green Supplement
For more information on this document, go to www.iapmogreen.org



ASHRAE

Announced 189.1 Standard for the design of High Performance Green Buildings.
It was developed in conjunction with ANSI/USGBC/IES

It covers mandatory criteria for: site sustainability, water use efficiency, energy efficiency, indoor air quality, and impact on the atmosphere, materials and resources.

More information at www.ashrae.org

Illinois State Plumbing Code

Soon to be releasing its new Green Supplement. More to come on this.

FYI- the new Chief plumbing inspector for the State of Illinois is: Frank Shimkius

ASPE

Will be conducting "on the road" seminars. One will cover Code updates. These will be coming out later this spring. More information at www.ASPE.org

Chicago ASPE Product Show

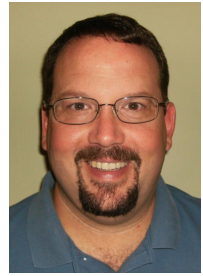
The Product show committee; run by Frank Sanchez, and Phill Kroll; have made some significant changes to keep people on the show floor this year. As always, this has been a well attended show, and we believe the floor traffic will be much improved. So Affiliates, grab a booth to take advantage of this great opportunity.

Rick Butler, Vice President Legislative

rbutler@lochinvar.com; 815 477.9983

AFFILIATES

The Product Show is upon us, April 15th at the White Eagle Restaurant. Show hours are from 3:30PM - 8 PM. Seminar hours are from 11:30AM - 4:30PM. Please make sure to fill out your registration forms and get them into Frank Sanchez. Make sure you're part of the best trade show in town. We have made a few changes to the upcoming Show.



- We offered a discount to all of the vendors who reserve their booth/booths by March 26, 2010. Get your forms into Frank Sanchez.
- We are NOT offering lunches before the show. There are plenty of places close by to grab lunch before the show.
- The show is going to end a half hour earlier, 8:00pm.
- Dinner is going to be served later and you are welcome to stay until you have finished your dinner.

Booth Selection night is 6PM -7PM April 8th, at Luczak Sales. Hope to see you at the show.

Thank you,

Mick Bradford, Affiliate Liaison
mick@miller-sales.com; 630 688.2635

MARCH 2010 MEETING ATTENDANCE

The following list of individuals attended the March 2010 meeting of the ASPE Chicago Chapter. In accordance with ASPE Society policy, these individuals are entitled to 0.75 RU's towards the required 24 RU's needed every two years to maintain CPD registration. Meeting attendance is also recognized by the Illinois Department of Professional Regulation to count as 1 PDH towards the required 30 PDH's needed every two years to renew Professional Engineering licenses.

Peter Wu	Mark Mannarelli	Ed Lichner
Herb Hymen	Tony Garcia Jr	David DeBord
Jamie Diamond	Tom Dolan	Tony Navarro
E.J. Kedzie	Phill Kroll	Brian Hank
Tom Babcock	Jason McDonald	Michael Cwanek
Nevo Martelli	Tom Higgins II	George Swietczak
Scott Baron	Paul Riedinger	Matt Keller
Paul Krajewshi	Frank Sanchez	Steve Schira
James Onohan	Joel Pedigo	Tory Schira
Mark Loth	Jack Miller	Marius Klimek
Jim Majerowicz	Rick Butler	Dennis Richards
Sarah Malik	Tom Lang	George Pagach
Dave Wick	Michael Whiteside	Jeremy Blackhutut
Todd Cooper	Christopher Frauens	Bob Seir
Joe Leonard	Jeremy Cantor	Ralph Dantino
Mike Imaoka	Paul Gangloff	
Natalia Dankanich	David Lehman	
Sean Allard	Otton Finiewicz	

This printing constitutes our record of who was in attendance. We apologize for any misspelling of names and ask that for future sign-ins, please print legibly. Thank You!

IT IS SHOW TIME!!!
THE ASPE CHICAGO CHAPTER PRODUCT SHOW IS HERE



Exhibitors, if you have not registered or SOMEHOW managed to “misplace” your registration materials. PLEASE let me know immediately!

We understand times are tough and we hope you will all show faith and come to our Product Show. The ASPE Chicago Product Show Committee is doing everything in our power to make sure there will be lots of Engineers, Designers, Plumbers and Inspectors in attendance at this year’s event.

Registration deadline was
March 26, 2010
*(A \$50 late fee will apply
after that date)*
If you would like to register, please contact

Phill Kroll
pkroll@metrodn.com
2010 ASPE Chicago Product Show Co-Chair
Metro Design Associates

After registering, please provide a digital copy of your line card to our webmaster, Jim Moynihan from Chicago Technical Sales

Mark your calendars for the,

39th ANNUAL ASPE CHICAGO CHAPTER PRODUCT
Thursday, April 15th, 2010
WHITE EAGLE RESTAURANT
6839 Milwaukee Avenue, Niles, Illinois

Don’t forget to finish your taxes before coming to the show!!

Booth Selection Night

Date: Thursday, April 8 2010
Time: 6:00 PM - 7:00 PM
Location: Luczak Sales
1128 Tower Rd. Schaumburg, IL 60173
RSVP to: Phill Kroll - pkroll@metrodn.com

This will be your last chance to make comments to the proposed Product Show Layout and to confirm power and table requirements. After this, no changes will be allowed.

Thank you,

Frank Sanchez, CPD; Product Show Chairman
fxs@grummanbutkus.com; 847 316.9251

39th Annual ASPE Chicago Chapter Product Show and Technical Seminars
Thursday, April 15 2010 - White Eagle Restaurant – Niles, IL 11:30 am to 4:15 pm

ROOM 1 - IL STATE APPROVED CEUS

State of Illinois Continuing Education Credits are available for these seminars only

Seismic Restraints

Presented by Eric Grant, of Nibco

11:30 am -12:30 pm (1.0 hour)

Eric Grant is the East Area Manager for TOLCO Seismic Bracing. He has over 15 years in all aspects of pipe support manufacturing, including 4 years on the manufacturing pipe supports and seismic bracing for petrochemical water and waste water treatment projects, 2 years in production management and 3 years managing sales, marketing and training. Trace will discuss the general requirements and materials to properly hang pipe and seismic bracing for plumbing and fire protection and the product evolution since the early 60's. He will review the applicable codes and standards, as well as commissioning and final inspection.

Codes, Standards, Certifications for Water Heaters and Boilers

Presented by Mike Juhnke, of Lochnivar

12:45 pm – 1:45 pm (1.0 hour)

Mike Juhnke is the Product Manager at Lochnivar Corporation. He has a BS in Mechanical Engineering from the University of Alabama and MBA from the Auburn University of Alabama. Also, he is an Air Force veteran. This seminar will explain in detail the following codes, standards and certifications for Water Heaters and Boilers, ANSI Z21.10.1/CSA 4.1 *ANSI Z21.10.3/CSA 4.3; for Gas Water Heaters. ANSI Z21.13/CSA 4.9 for Gas-Fired Low Pressure Steam and Hot Water Boilers and ANSI Z21.56/CSA 4.7; Gas-Fired Pool Heaters. Also, it will explain the efficiency ratings used in the industry, Thermal Efficiency, Combustion Efficiency and Annual Fuel Utilization Efficiency (AFUE) and how to they apply to condensing and no-condensing equipment.

Energy Efficient Tankless Hot Water Systems

Presented by Mark Brickey of Metropolitan Industries

2:00 pm – 3:00 pm (1.0 hour)

Mark Brickey has been in the plumbing industry for over 35 years. Over the years he has been Manager of Commercial Sales Division, Manager of the National Sales Division, and currently is the Manager of the Wholesale Division. Currently Mark conducts training sessions for many plumbing and heating Locals as well as ASPE and other organizations.

This seminar will discuss Energy Efficient Tankless Water Heaters, their features and benefits. It will cover certain key aspects of this innovative product, space requirements, energy efficiencies, yearly costs, life expectancies and will compare them against storage type heaters. Also, it will discuss IL State Code requirements like thermostatic mixing valves, pressure relief, temperature and pressure relief valves.

ANSI Standards for Emergency Equipment

Presented by Thomas W. Guile of Haws Corporation / RC Sales

3:15 pm – 4:15 pm (1.0 hour)

Tom Guile is currently the Sales Director Central Region for Haws Corporation and responsible for 17 states. He is a graduate of the University of Wisconsin. Tom is a Plumbing Industry veteran having held various sales and management positions with AO Smith, Bradley Corporation and Takagi USA. This presentation will cover the impact of the current ANSI Standards and OSHA requirements for Emergency Safety Equipment (eye, eye/face, drench shower and combination shower equipment). Also covered is information regarding product options, selection, barrier free equipment, mixing valves and applications. Additional information is provide on testing requirements for all emergency safety equipment.

ROOM 2

Siphonic Roof Drainage

Presented by Michael Whiteside of MIFAB

11:30 am -12:30 pm (1.0 hour)

Michael Whiteside, owner of MIFAB since 1992 and active Chicago Chapter member. Chicago based manufacturer of specification drainage products including siphonic roof drains and rainwater harvesting product. Have manufactured and sold siphonic roof drains since 2008.

Michael will provide us with an introduction to this innovative technology, a fully engineered and highly efficient system based on hydraulic principles. He will explain the basic principles of siphonic action and will compare it to conventional gravity systems. Also, he will analyze its benefits, like efficiency, lower ground work costs and reduced installation times. Finally, he will provide an overview of the software used to size siphonic roof drainage systems.

System Curve and Pump Performance

Presented by: Scott Sweeney & Deron Oberkorn of Zoeller/Hart Travers & Associates

12:45 pm – 1:45 pm (1.0 hour)

Scott Sweeney, National Sales Manager for Zoeller Pump Company has been working in the plumbing industry for 12 years. Scott has an BA in Business Admin. from Sullivan College in Louisville, KY. Deron Oberkorn is the Product Development Manager for all Corporate Divisions of Zoeller Pump Company in Louisville, KY. Deron holds a Mechanical Engineering degree from the University of Cincinnati. Deron spent the last 15 years as a manufacturer's representative in the Cincinnati area representing engineered plumbing and pump systems. Currently he is pursuing his PE in the fall of 2010.

Scott and Deron will provide us with a nuts and bolts review of centrifugal pump curve. They will explain the differences between duty point and design point, non overloading impellers and how is a pump affected along the curve. They will illustrate different conditions along the pump curves and how this will affect the pump performance. Finally, they will provide us with actual hydraulic results of the wet end of the pump and quick pump sizing application.

Hot Water Temperature Controls and Applicable Codes and Standards

Presented by Tim Kilbane of Symmons

2:00 pm – 3:00 pm (1.0 hour)

Tim Kilbane is the National Sales Manager for Commercial Products at Symmons Industries He has over 35 years of plumbing experience including master plumber field expertise, product origination and product development. Tim currently sits on the Board of Directors of the Plumbing Manufacturers Institute (PMI) and serves as a Co-Chairman of their Water Temperature Device Committee.

Tim will discuss the importance of how water temperature controls and will review the applicable codes and standards. He will explain the new and old ASSE Standards and how they apply to hot water temperature controls used for domestic hot water supply.

Heat Tracing Systems

Presented by Mark Hall, Tyco Thermal

3:15 pm – 4:15 pm (1.0 hour)

Mark graduated from the State University of Huston in 1985. He earned his BA in Business Management and currently resides in Pittsburg with his wife Suzy and two sons Steve & Garrett. Mark has developed his expertise in heat tracing with 18 years as an application engineer at Emerson/EGS.

This course will introduce designers with an introductory of electric heat tracing as it applies to the following commercial applications. Applications to be covered include pipe freeze protection, snow melting and gutter de-icing. The discussion will explore a variety of technologies implementer in these applications, like heat trace design, heat loss calculations, electrical loads, advantages and disadvantages of hydronic vs. electric show melting as well as a variety of control strategies.

ROOM 3

Grease Remediation and Recovery Devices

Presented by Michael Gauthier of Highland Tank

11:30 am -12:30 pm (1.0 hour)

Mike is the national sales Manager for Highland Tank's Waste Water Division. He recently co-authored ASPE's PEDH Volume 4. Chapter 8: "Grease Interceptors", and he's an authority on national Plumbing Codes with regards to active and passive grease interceptors. This seminar will discuss the science of selecting and sizing grease interceptors for applications that range from strip malls to industrial food processing plants. We will also cover the current and changing National Plumbing Codes related to grease interceptors.

Green Concepts Advantages and Methods of Indirect Water Heating

Presented by Mark Kaulas of Bornquist, Inc.

12:45 pm – 1:45 pm (1.0 hour)

Mark's career spans 30 years as a manufacturer's representative. He is a graduate of the University of Illinois. Mark is an active member of the Chicago ASPE Chapter, having served on its Board of Directors, and also participating on a number of its committees including an Illinois Plumbing Code advisory panel. Charlie will explain when and why we need Chemical Waste Tanks, the importance of pH, compare dilution vs. neutralization and will cover limestone neutralization. He will analyze central vs. local installation, materials, sizing, cover options, venting and maintenance of chemical waste systems. Also, we will discuss alternative applications, like neutralization systems and decontamination holding tanks.

Fire Protection Innovations

Presented by Michael Jordan of Victaulic Fire Protection

2:00 pm – 3:00 pm (1.0 hour)

PK pioneered the concept of semi-instantaneous water heaters over 50 years ago and continues to evolve and refine its models, which focus on a small heater that produces high hot water output at a closely controlled temperature.

This seminar will cover storage-free water heaters; since there is no storage tank, standby heat loss is minimized and floor space is reduced significantly. This can become handy when designing a mechanical room, and utilize that space for more profitable purposes. Norm will talk about different applications and requirements for semi-instantaneous water heaters and will analyze the different controls available. He will compare 1/3-2/3 valves vs. fully modulating control valves and will explain its appropriate applications on HVAC and Domestic Hot Water Systems.

Copper Systems: Industry Update and Applications

Presented by: Harold Moret of the Copper Development Association

3:15 pm – 4:15 pm (1.0 hour)

For the past 6 years, Harold Moret has managed the commercial and plumbing tube and fitting markets in the US for CDA. He comes to CDA with over 20 years experience in plumbing and HVAC fields as Project Coordinator and Installer. He is currently active with several industry organizations such as ABC, ASPE, ASHRAE, ASSE.

This program focuses on the design and installation of the newer no-flame joining technologies now available for copper tube piping systems. Program outline:

I. Introduction

A: CDA: What is CDA and what is its purpose?

History of Copper.

B: Purpose of this seminar.

II. No-flame Joining Processes

A: Design Considerations: description of basic no-flame processes

B: Installation Procedures: discussion of recommended and required installation procedures

Lunch will be provided AT NO COST to those seminar attendees who stay for all four seminar sessions AND the ASPE Product Show. Also, you will receive a free raffle ticket. Last year we gave away a **GPS Navigation System**. No purchase necessary but must be present to win.

2009-2010 ASPE Chicago Meeting Schedule

Date	Primer	Technical	Location
September 17, 2009	ASPE Society Update : Tim Smith, Metro Design.	CSI MasterFormat: Presented by Randall Chappel, Associate Principal at Goettsch Partners	Costa's 340 South Halsted Street Free Valet Parking
October 15, 2009	BIM Overview - 3D Coordination Walkthrough - CAD-WORKS	New LEED Green Building Rating System - David E. Debord, Environmental Systems Design	La Villa 3638 North Pulaski Free Parking
October 23-25, 2009	ASPE Technical Symposium		Dearborn, MI
November 19, 2009	Seismic Restraints, Hangers and Supports by Tolco	Commissioning for Plumbing Systems - John Villani, Grumman/Butkus Associates	The Parthenon 314 S. Halsted - Free Valet Parking
December 17, 2009	Booster Night Special Entertainment		La Villa Restaurant & Pizzeria
January 21, 2010	"Reverse Osmosis (RO) and Deionized (DI) Water Applications" presented by Paul Galvin of Georg Fisher		The Parthenon 314 S. Halsted - Free Valet Parking
February 18, 2010	"Regional Water Supply Planning Group Water Conservation Ordinance" presented by Hala A. Ahmed, AICP from Chicago Metropolitan Agency for Planning (CMAP)		La Villa Restaurant & Pizzeria
March 18, 2010	Piping Identification by Kolby Pipe Markers Co.	Legionella Control Systems by Steve Schira of Liquech	La Villa Restaurant & Pizzeria
April 15, 2010	39th Annual ASPE Chicago Product Show and Seminars		White Eagle - 6839 N Milwaukee Ave, Niles, IL 60714
May 20, 2010	Fire Protection Basics for Plumbing Engineers		To be announced, Schaumburg, IL
June 18, 2010	Annual Golf Outing		Hilldale Golf Club 1625 Ardwick Drive Hoffman Estates