



ASPE NEWS

American Society of Plumbing Engineers

Eastern Michigan Chapter

www.aspe.org/Eastern_Michigan

Serving our membership since 1975

Vol. 13, Issue 1

Plumbing Design Classes

Date: Tuesday, September 15, 2009
Where: Plumbing Industry Training Center
 1911 Ring Drive
 Troy, MI 48083
SEE map on back page

ASPE HANDBOOK & VENDOR CLASSES
3:30 - 5:30 PM

Basic: Sanitary Systems Design & Eng.
Vendor: Aquatherm Potable Water Piping
 For Any & All Applications
See page 3 for program

DINNER
5:30 - 6:00 PM

Cost: ASPE, ASSE, MBPA Mbrs: NC
 Non-members: \$15.00 FOR DINNER

DESIGN CLASS
6:00 - 8:30 PM

Topic: How & Why - Mechanical
 Engineers & Contractors Need
 to be LEED® Certified

Speaker: Michael Dolkowski
See page 3 for program & bio

See the full event schedule on our web site.

REGISTRATION REQUIRED
 RSVP by the **Friday** prior
 to day of class to:

David Rhodes, VP Tech:
 (586) 739-8915 x59 phone
drhodes@cr-plumbing.com

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PRESIDENT'S REPORT

John R. Nussbaum, IPP, FASSE



What summer we had is coming to the end. I hope everyone made the most of their vacation time with family and friends. September begins our continuation of Green education with the 2009/2010 educational and board meetings that will run through May of 2010. It is important that though times are tough we make every effort to continue to operate so as to provide the where with needed to serve you the members, to that which you have become accustomed to receiving in education, communication and dinner meetings.

Your board of directors and I have worked hard on your behalf to be able to subsidize part of your registration fee to the forthcoming **ASPE/PCA Technical Symposium** in Dearborn, Michigan, on October 22-25, 2009. Keeping this in mind, I hope many of you will take advantage of this first-time opportunity to attend some of the 25 quality programs here in your own backyard at an affordable price. I am reminding you that the subsidized rate of \$395.00 is reserved for the first 30 ASPE EMC and PCA/MCA Detroit chapter members who register. Registrations will be accepted on a first come first served basis—checks (payable to ASPE EMC) and registrations must be in my hands at 14801 W. 8 Mile Road, Detroit, MI 48235 by October 1, 2009. This 2009 ASPE/PCA Technical Symposium is a first time joint venture to bring the Engineering community together with the Contracting community with top quality educational classes common to both, to better serve the buyers of your services. Be advised that there are a number of class subjects that you have been seeking, such as hands-on BIM, CPD exam prep, and LEED® certification. Though the CPD exam class will cost you an additional \$35.00, that includes a copy of the review manual. For those who have been struggling with passing the exam, this is an opportunity you do not want to miss. For attending the symposium you will also receive 15 educational contact hours, a plethora of invaluable take-home materials to reference and share with colleagues. On Thursday, from 3:00 - 8:00 pm, you may want to attend the engineering and contracting product exhibition with a complementary tailgate-style buffet. A dozen laptops will be given away. And be reminded this is a great event to network with the best of the best from around the country. What are you waiting for? Register today!

Contractors, Inspectors, and Design Professionals—be aware that the 2005 NFPA 99C will remain in affect for the next three years. The Council now requires further processing of the 2010 edition of NFPA 99 and will be reentered into the 2011 revision cycle.

continued on page 4

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September Tech Program

How & Why - Mechanical Engineers & Contractors Need to be LEED® Certified



Mike Dolkowski

Mike Dolkowski has over 33 years experience in the environmental/ sustainability/ energy conservation arena. In 1995 he started his first environmental company and is the current CEO of Environmental Recycling in Bowling Green, Ohio. They specialize in the recycling of fluorescent lights, batteries, transformers, computers, and electronics.

In 1998, Mike opened his second business, Environmental Asset Recovery in Wauseon, OH., primarily recycling difficult metals and plastics. In 1999, he purchased his third business, Environmental Recycling Group based in Livonia, MI., specializing in hazardous waste cleanup; property assessments phase 1 and phase II, and Brownfield property.

With requests from his clients for carbon credits and energy audits, he created Carbon Credit Environmental Services (CCES) in October 2007, based in Detroit, MI. CCES provides energy/GHG audits and Life Cycle Analysis of products to companies, while assisting with alternative energy options saving companies money and producing a ROI. To date, CCES has increased personnel to over seven employees and utilizes over 10 contract employees.

Mike has patented an input/output Life Cycle Analysis for GHG, CO2 certification that specializes in LCA (Life Cycle Assessments), GHG Auditing, Carbon Footprint Auditing, Wastewater Treatment, Energy Optimization, Carbon Offsetting, Kyoto Protocol Management, Renewable Energy Design.

In addition, Mike holds an Intellectual Property patent on a Life Cycle Analysis for Green House Gas/CO2. He is a presenter for Environmental Engineering at Wayne State University, Oakland University, and many other organizations. In addition he has been on many panels for alternative/GHG discussions and writing numerous articles for trade magazines and is a co-contributor for Practical Steps to Eco System in Great Lakes, (Wayne State-EPA)

In 2003, Mike received the Environmental Vendor of the year award from Detroit Edison. In 2007, he designed the 1st first deconstruction rather than demolition for DTE Edison. All materials were reused or recycled.

Program:

- The Role of the Specifying Engineer
- Why the Specifying Engineer needs to be LEED Certified
- Innovative Engineering
- Governments role in Climate Change Policy and why you as an engineer need to "Think Green"
- Why do I need to become a "Certified Green Contractor"
- What is a "Carbon Footprint"
- How do I calculate a "Carbon Footprint"
- Federal and State legislation on GHG, CO2 emissions
- Federal and State legislation on Alternative Energy and Energy Conservation Measures

continued on page 4

MENTORING

Ed Hawley



Peer mentoring- *Wikipedia, the free encyclopedia, Advantages of peer mentoring at work:*

"Peer mentoring can be advantageous in the work setting. Peer mentoring offers a low cost way to train employees. Mentorees may feel more comfortable learning from a peer than in a hierarchical setting. Mentorees may also benefit from the bond they form with colleagues."

In today's business world, the latest trend is matching experienced personnel with new employees, thereby the role of a mentor enters into the picture. So how does it apply to an organization like ASPE? Well for one thing, it is the role we have tried to implement in all the programs conducted for our membership in the monthly meetings. The only difference is that in our monthly meetings we use the group method of mentoring like the Dale Carnegie and other programs do. This allows more members to gain access to a mentor, through each guest speaker we have. So instead of having a person whispering in our ears with directions and suggestions for the next decision that is necessary for the work that we do, we have a mentor.

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September Vendor Program

Aquatherm Potable Water Piping



Jim Brock

In 2003 Jim Brock became the Sales Manager for Aquatherm LLC. Jim was factory trained and certified in Germany in all disciplines for heat fusion and installation. The company has changed names and grown substantially. The new face of Aquatherm Piping Systems LLC is GreenPipe Industries, a regional distributor for Aquatherm Piping products. As the Sales

Manager for GreenPipe Industries Jim's main responsibility is to increase the awareness and sales for the company. Jim provides cost effective and value added solutions in today's difficult environment, working closely with architects, engineers and installers to achieve total satisfaction.

Program: Aquatherm Piping Systems LLC became the importer of Aquatherm products in 2001. This initiated the difficult task of becoming certified in North America. In 2005 Aquatherm Piping Systems LLC completed the listing requirements for polypropylene pipe in the IPC, IMC, and IBC. ICC then listed Aquatherm polypropylene pipe in their ESR 1613 as meeting or exceeding requirements the IPC by referencing the certification by NSF for their standards 14, 51 and 61 (potable water, food handling) and for use with 100% glycol. Michigan was the first state to approve Aquatherm pipe for use in residential and commercial installations. Aquatherm has 17 regulatory listings in North America and over 20 quality assurance listings worldwide. The product is used in over 70 countries and has been produced for over 35 years.

President's Report

continued from page 1

Manufacturers and your representatives—I am counting on your support again for advertising in our newsletter and taking table top displays to keep us moving forward. Without your support, we are doomed to fail. As long as I have been involved, you have never let me or the chapter down. I trust that you will continue your support of the chapter and take advantage of 4 tabletop nights for the \$600.00, saving you \$200.00. As of this news letter, only four of you have taken advantage of this savings.

Members—let's get to the meetings and make the 2009/2010 year a good year.

*Your president,
John Nussbaum*

September Tech Program

continued from page 3

- Federal and State tax credits and tax incentives for Alternative Energy and Energy Conservation Measure equipment
- What systems qualify solar, wind, geothermal, hybrid systems
- Solar basics for the environment
- Geothermal basics for the environment
- Wind basics for the environment
- EPP (Environmentally Preferred Purchasing) why this program is important to the "Certified Green Contractor"
- How do I register as a "Certified Green Contractor" for EPP program
- Calculating Energy Consumption and Savings
- Product selection Not All Energy Star Equipment Qualifies for the Tax programs
- Environmental training for the "Certified Green Contractor"
- Setting up a "Green Shop"
- New Green Technologies

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MENTORS *continued from page 3*—In the plumbing industry we have various training programs for the requirements of the work done in the field on every project. Most of this is the very physical labor needs. The other main item so very important is how we think mentally. Do we have special experience in the task we are working on? Hopefully, we had learned in a classroom from a peer mentor.

In Engineering and Construction, it is very important that you can read a set of plans and be able to implement all the necessary instructions to others, leading the way to the project completion. It is so *important* that we have somehow been exposed to the item or method visually in the field or classroom experiences. The more we have seen with our eyes or heard with our ears, the better we can perform.

So what we really need more of is the role performed by a personal mentor, available to us as our need occurs. We know how impossible that is, since the world is not very practical.











That leaves very little for us in our life; therefore we must take the next option available to us. Find a personal mentor. Good luck!

If I may make a very sound offer to you...how you can find your own personal mentor! Please join us in the monthly ASPE meetings, see and hear, demonstrated before your own eyes, a wonderful mentor at work—the GUEST SPEAKER.

The ASPE Board of Directors worked hard to find a Mentor that will fit the personal requests suggested to them by a number of members telling them of their various needs. The board hopes to fill as many of those needs as possible this calendar year 2009-2010.

Let's start the new year with a resolution—plan to attend each monthly meeting and meet the group's personal "MENTOR."

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Will You Answer the Knock of Opportunity?

Are You Ready To Open Opportunity's Door?

Invest in your future?

Network with your peers and get the latest technical information?

Advance your professional skills?

Receive concise and relevant information on plumbing engineering and contracting topics?

Interact with plumbing engineers and contractors from around the country?

Build professional relationships that will benefit you now and throughout your professional life?

Tap into the plumbing engineering, designer, and contracting knowledge and information industry?

Watch your productivity soar?

Receive invaluable information and handouts?

Share your experiences with your peers?

Meet with proven problem solvers in the plumbing engineering and contracting industry?

Find new and improved design and operational methods?

Maximize your knowledge and education?

Listen and learn from innovative, exciting, and practicing engineers, designers, and contractors?

Answer the Knock and benefit from the premier educational and professional development event for plumbing engineers, designers, and contractors!

The University of ASPE and The University of PCA Jointly Present the



2009 Plumbing Engineering and Contracting Technical Symposium



Dearborn Hyatt Regency Hotel, Michigan | October 22-25, 2009

What You Get

- Thursday, October 22: The Plumbing Engineering and Contracting Product Exhibition. Free admission includes complimentary cookout-style dinner.
- Friday through Sunday, October 23-25: Three-hour comprehensive technical programs in five technical tracks over 2½ days — that's 25 educational events from which to choose.
- Handout material with the latest technical information.
- The opportunity for 15 educational contact hours — earn 15 PDHs or 1.5 CEUs.
- Complimentary continental breakfasts and breaks on Friday, Saturday, and Sunday.
- Complimentary lunch on Friday and Saturday.
- The chance to win one of the dozen new laptop computers to be given away Friday and Saturday.

Eastern Michigan Chapter Members & MCA Detroit PCA Members

In order to receive the discounted registration fee, you **HAVE** to send your completed registration form with your check through the MCA Detroit office. National **WILL NOT** give you the discounted fee. Credit cards are not accepted.

>>> 2009 Hotel Registrations <<<

Contact Hyatt Regency Dearborn
600 Town Center Drive • Dearborn, Michigan 48126
313.593.1234. Ask for Reservations

Single/Double Occupancy: \$109 • Room Reservation Deadline — September 20, 2009



ASPE / PCA 2009 TECHNICAL SYMPOSIUM

Take advantage of the special rate of \$395 per person being offered to ASPE Eastern Michigan Chapter members and MCA Detroit PCA members to attend the 2009 Symposium. Complete your registration form and mail with your CHECK (made payable to ASPE EMC): MCA Detroit, 14801 W 8 Mile Rd., Detroit, MI 48235. Hurry! This offer is limited. The national Society WILL NOT give you this special rate. You MUST register through John Nussbaum at MCA Detroit. Sorry - no credit cards accepted.

>>> 2009 Program at a Glance (tentative) <<<

This is a proposed schedule of programs and events. Schedules, programs and events are subject to change and will be updated regularly.

Thursday, October 22, 2009

Time	General Events and Activities
7:00 am – 6:00 pm	ASPE AND PCA BOARD, COMMITTEE AND ADMINISTRATIVE ACTIVITIES
1:00 pm – 8:00 pm	ASPE/PCA PAVILION AND BOOK STORE
1:00 pm – 8:00 pm	TECHNICAL SYMPOSIUM REGISTRATION — Lobby Level — Registration Counter
2:00 pm – 5:00 pm	Special On-site Engineered Plumbing and Contracting Exhibition REGISTRATION
3:00 pm – 8:00 pm	Engineered Plumbing and Contracting Exhibition

University of ASPE and University of PCA — Technical and Professional Development Programs

Time	General Program	Plumbing 101	BIM Building Information Management	Green Building Systems	Emerging and Advanced Technologies	Practical Engineering and Contracting
Friday, October 23, 2009 *15-minute breaks occur halfway through all sessions.						
7:30 am – 4:00 pm	ASPE Office/PCA Office	ASPE/PCA REGISTRATION — Lobby Level — Registration Counter				
8:00 am – 6:15 pm	ASPE/PCA Lounge	ASPE/PCA PAVILION AND BOOKSTORE				
7:30 am – 8:45 am	CONTINENTAL BREAKFAST					
9:00 am – 12:15 pm	15 minute break	Design of Water Piping Systems TS 100-1-1	BIM 1st Session TS 200-1-1	Design and Layout of Rainwater Harvest Systems TS 300-1-1	Design of High Containment Plumbing Systems for Laboratories TS 400-1-1	Special Contractor Session TS 500-1-1
12:30 pm – 2:00 pm	LUNCH • AWARDS • PRIZES — Grand Ballroom (Springwells/Dearborn)					
2:15 pm – 5:30 pm	15 minute break	Sanitary Waste System Design TS 100-1-2	BIM 2nd Session TS 200-1-2	Solar Domestic Water Systems TS 300-1-2	Design and Layout of Residential Fire Protection Systems TS 400-1-2	International Water Efficiency TS 500-1-2
5:40 pm – 7:00 pm	WINE AND CHEESE RECEPTION — Grand Ballroom Foyer					
7:00 pm – ...	ON OWN FOR DINNER					
Saturday, October 24, 2009 *15-minute breaks occur halfway through all sessions.						
7:30 am – 4:00 pm	ASPE Office/PCA Office	ASPE/PCA REGISTRATION — Lobby Level — Registration Counter				
8:00 am – 6:15 pm	ASPE/PCA Lounge	ASPE/PCA PAVILION AND BOOKSTORE				
7:30 am – 8:45 am	CONTINENTAL BREAKFAST					
9:00 am – 12:15 pm	15 minute break	Sizing a Domestic Water Booster System TS 100-2-1	BIM 3rd Session TS 200-2-1	Making Sewage "Sanitary" — the Water Crisis and How you can be part of the Solution TS 300-2-1	Design and Layout of Townhouse Fire Protection Systems TS 400-2-1	Efficient Project Management for Engineers and Contractors TS 500-2-1
12:30 pm – 2:00 pm	LUNCH • AWARDS • PRIZES — Grand Ballroom (Springwells/Dearborn)					
2:15 pm – 5:30 pm	15 minute break	Storm Drainage System Design TS 100-2-2	BIM 4th Session TS 200-2-2	Workshop and Training: LEED 2009 Point Rating System TS 300-2-2	Adhesive Joining Systems from Laboratory to Installation TS 400-2-2	Gaining Understanding Between Contractors & Engineers TS 500-2-2
5:30 pm – ...	ON OWN FOR DINNER					
Sunday, October 25, 2009 *15-minute breaks occur halfway through all sessions.						
7:30 am – 4:00 pm	ASPE Office/PCA Office	ASPE/PCA REGISTRATION — Lobby Level — Registration Counter				
8:00 am – 6:15 pm	ASPE/PCA Lounge	ASPE/PCA PAVILION AND BOOKSTORE				
7:30 am – 8:45 am	CONTINENTAL BREAKFAST					
9:00 am – 12:15 pm	15 minute break	Propane and Natural Gas Systems TS 100-3-1	BIM 5th Session TS 200-3-1	LEED for Contractors & Engineers TS 300-3-1	Managing for Success — How to achieve success during this difficult time TS 400-3-1	Understanding Construction Methods and Contract Document Compliance TS 500-3-1
12:30 pm – ...	ATTENDEES RETURN HOME					

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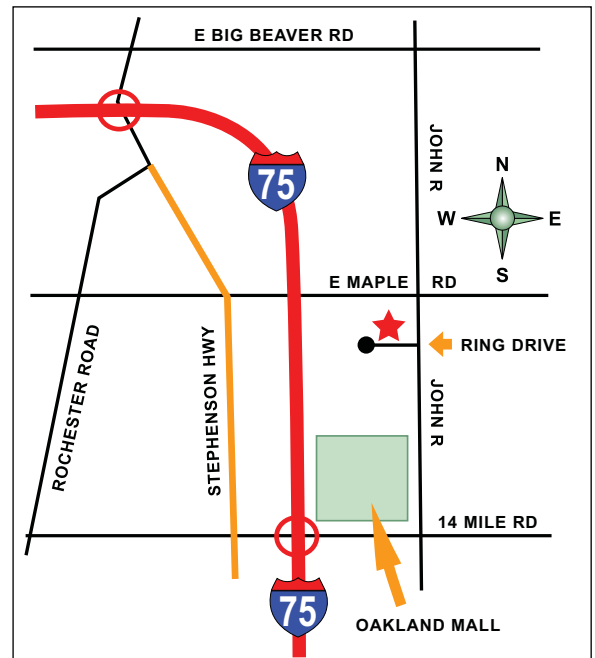
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Map to the Plumbing Industry Training Center 1911 Ring Drive - Troy, MI West of and off John R, north of 14 Mile Rd.



ASPE News is published 10 times per year (September through May, plus one summer issue). Yearly advertising rates are \$250.00 per ad for members and \$300.00 for non-members. Insert advertisements are \$250.00 for one ounce and \$100 for each additional ounce. For HELP WANTED ad rates, quarter-page and half-page product ads, please contact Mary Chapman. Checks should be made payable to ASPE E. Mich. Chapter and mailed to the attention of Mary Chapman at 14801 W 8 Mile Rd, Detroit, MI 48235. All newsletter inserts should be mailed to ASPE-EMC Corresponding Secretary George Johnston with a copy sent to Mary Chapman. Circulation 400 - Distributed to: Engineers, Contractors, Inspectors, and other industry professionals in Michigan. For contributing articles contact Mary Chapman, Newsletter Editor at: mchapman@mcadetroit.org.