



ASPE NEWS

American Society of Plumbing Engineers

Eastern Michigan Chapter

http://aspe.org/Eastern_Michigan

Serving our membership since 1975

Vol. 14, Issue 1

Plumbing Design Classes

Date: Tuesday, September 21, 2010
Where: Plumbing Industry Training Center
SEE map on back page

ASPE HANDBOOK & VENDOR CLASSES
3:45 - 5:30 PM

Basic: Health Care Plumbing Fixtures/
 Apparatus/ Equipment
Vendor: ISEA/ANSI Z358.1 2009
 Standard Engineering Equipment
Speaker: Cindy Zatto, VE Sales Co.
See page 3 for program & speaker

DINNER
5:30 - 6:00 PM

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

DESIGN CLASS
6:00 - 8:00 PM

Topic: Michigan Regulations for
 Geothermal Closed Loop Systems
Speaker: Mike Gaber, Michigan DEQ
See page 3 for program & bios

See the full event schedule on our web site.

REGISTRATION REQUIRED

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

Edwin Hawley, VP Tech:
edwinhawley@att.net
(248) 656-8253

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PRESIDENT'S REPORT

John R. Nussbaum, IPP, FASSE



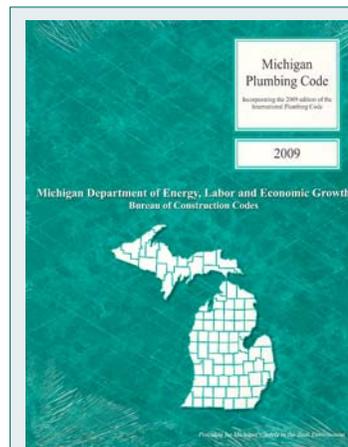
Where will our market share in business be for the next 15 months? The indicators suggest that it is going to be in service, maintenance, and alteration of existing buildings—mainly the older buildings that are extremely expensive to operate because of rising utility cost...electricity, heating, cooling and water consumption. Detroit and the surrounding areas will be the target to have something done to lower the wasted use of energy. The federal government is insisting that there be energy conservation of all our utilities from

all types of buildings, residential apartments, condominiums, commercial, industrial and institutional and single family residential homes.

The buzz words again are LEED and Green. There will be tax incentives, rebates, and co-operative methods to entice owners to buy into the government objectives regarding conserving energy. Owners will be on board if they can get a quick return on investment. save money over the long term of ownership of their buildings. and boast of being green certified.

The programs this year are meant to prepare and encourage you to meet the challenges of designing, bidding and securing work in these markets. There are new materials, equipment and methods that are available to you and we are working with our manufacturers to present them to you. Our theme this year is **Design and Application** to be applied by you, the professionals.

Your president,
John Nussbaum



IMPORTANT NOTICE

Please be aware the **2009 Michigan Plumbing Code** book has an **Errata Sheet** that was not included with the book. We have a PDF file of the Errata Sheet available for download on the ASPE Eastern Michigan Chapter web site on the home page. To download a copy, please go to:

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September Tech Program

Michigan Regulations for Geothermal Closed Loop Systems



Mike Gaber

Mike Gaber is Chief of the Well Construction Unit, Michigan Department of Environmental Quality, Lansing. Among Mr. Gaber's duties are implementing the Michigan Water Well Construction and Pump Installation Code (with assistance from 45 county and district health departments), and managing the water well drilling contractor registration program. Mr. Gaber has been employed with the State of Michigan's drinking water program for nearly

30 years and is instrumental in improving practices in the water well industry for the protection of public health. His educational background includes a biology undergraduate degree from Northeastern Illinois University, Chicago, and a master's degree from the School of Public Health, University of Michigan, Ann Arbor.

Program: Geothermal Heat Pumps – Regulatory Perspectives provides an overview of heat pump technology and explains environmental concerns and regulatory implications. The presentation covers how the Michigan Department of Environmental Quality is working closely with industry to develop standards for construction, decommissioning and reporting of geothermal closed-loops. Water Well Construction in Michigan looks at well drilling trends and highlights some of the unique aspects of groundwater development in Michigan.

September Vendor Program

ISEA/ANSI Z358.1 2009 Standard Engineering Equipment



Cindy Zatto

Cindy Zatto, FASSE, is a member of ASPE, currently serving on Board of Directors as East Michigan Chapter Affiliate. Cindy is a member of ASSE, currently serving Michigan Chapter on Board of Directors and has received national recognition for her work with ASSE Michigan Chapter. Cindy is member of ASHRAE Detroit Chapter. Cindy currently holds Act 54 program approval from State of Michigan Bureau of Construction

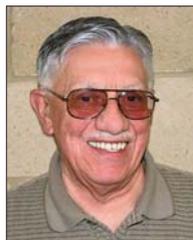
Codes for her Safety Equipment and Oil & Grease Separator Power Point presentations and has provided instructor training for PIAM, SEMPIA, Tri-County PIA and WM PIA chapter members. Cindy is a manufacturer representative, employed by VE Sales in St. Clair Shores, since 1999. Prior to serving VE Sales, Cindy was employed by ITT Grinnell / Tyco- Grinnell for 23 years. VE Sales is the Michigan representative for Speakman Plumbing and Emergency Products since 2002 and Michigan representative for Apollo Valves in Michigan since 1957.

PROGRAM

Cindy Zatto will review the new ISEA/ANSI-Z358.1 2009 Standard and offer comparisons to ISEA/ANSI-Z358-1-2004 and "ISEA-Z358-1998" which is referenced in the new SOM 2009 Plumbing Code. MIOSHA Standard 07-1R1 requirements for Health Care Facilities will be reviewed.

VP Technical Report

Edwin L. Hawley, CPD



Well, summer is just about over, leisured times are over, NOW is the time to get your thinking caps on...the student's cap! **We must make educational progress in our fields of expertise to move forward with our lives.** The demands on us have increasingly arrived without much of any warning. Our competitors are beginning to

knock down the doors. These thoughts may sound like a bunch of trivial words and repetitions. However, I'm very serious and trying hard to get your attention focused on our field of endeavors—the *Plumbing Industry*. This is serious business! A wakeup call! We must better prepare ourselves for current trends and especially for what's coming in the future.

I approach the future a little differently than most of my friends. Been there, done that, seen it, tried it, etc. Maybe I'm trying too hard to be serious, one—with your precious time, two—with your patience, three—your understanding, to make my point short and sweet.

This is my point: ASPE's 2010–2011 schedule for the next 10 months of seminars and training programs for both beginners and advance classes, along with Vendors training programs, really provides something for everyone that's interested in garnering a lot of education in just one evening a month. The ASPE board has developed a great list of seminar speakers in the various categories of the plumbing industry. They will be able to introduce new ideas, update others, and really captivate your attention, all the while you are listening, with the latest and greatest information we can, as designers and plumbers, sure can put to good use.

Let's start with the September 21st program on "Geo-Thermal Closed Loop Systems" regulations in the State of Michigan with Department of Environmental Quality guest speaker, the Chief of the Well Construction Unit, Mr. Michael Gaber. Mr. Gaber will discuss the latest drilling trends and various highlights on groundwater developments in Michigan. We can add this program to all the other information that is and was presented in previous seminars, improving our base of knowledge that's ready to use when we need it.

I hope to see all of our ASPE, ASSE, MBAP, City Inspectors, and other members, whom wish to start our new year with a rousing and exciting meeting—beginning with a great dinner—the first get together since the spring. Please call 248-656-8253 to make your reservations or you can e-mail me at edwinhawley@att.net by Friday, September 17 and before 5:00 pm.

*Ed Hawley, CPD
VP Tech*

Please take a moment to follow up with
"Ed's Perspective" on page 5.

Code Update Classes

Photography by Cindy Zatto



The Code Study and Development Group of Southeastern Michigan held two 2009 Michigan Plumbing Code Update classes in July and August at the Shriners Conference Center in Southfield. Robert Konyndyk, Chief of the Plumbing Division, Michigan Bureau of Construction Codes, was the instructor. See Page 6 for more photos.

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The Society is now offering continuing education units (CEUs) and professional development hours (PDHs) for participation in our educational programs. To earn CEU/PDH credits, participants must earn a grade of 90 percent or higher on a test that covers the material presented in the technical program. Those who successfully pass the test can use ASPE's CEU/PDH validation system to instantly be issued an e-mail containing their credit certificate. Please refer to the Educational Programs & Tools tab on the ASPE website for more information on this program.

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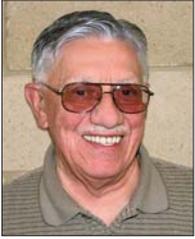
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Ed's Perspective

By Ed Hawley, CPD



In my daily reading about our economy due to the very high unemployment, an article in the August/2010 issue of *Control Magazine*, by the Editor in Chief, Walter Boyes, caught my attention with his comments in...
"It's the People, not the Technology".

While on his visit to China in May and June of 2010, Boyes visited with a number of different groups and companies who are working in the manufacturing automation space....most, but not all, in process. There is ferment, energy and directedness about the Chinese manufacturing sector. He said, "You see this immediately," when he attended the "Rockwell Automation on the Move" event in Beijing, "that the average age of the 1000 attendees was close to the late 20's or the early 30's. Contrast this with the average age of automation professionals in North America and Western Europe, which is close to 50."

"Two of the most important reasons for this excitement, energy and directedness are these....the Chinese people see manufacturing as an honorable career path, which we no longer do; and the Chinese government sees improving manufacturing as a critical factor in its stated intent to regain its position as the world's largest economy."

"Yes, *regain*, as history shows that from about 250 BCE to 1050 CE, China did have the world's largest economy, and since 1949, much of its manufacturing policy has been aimed at regaining that title. They expect to do it sometime between now and 2050. (The latest data just announced that they jumped past Japan into number two spot behind the USA.) "I would expect them to achieve that title with no great difficulty," was his comment."

His magazine "cover story in this month's issue is about the use of wireless field networks and other industrial wireless systems to enable the plant of the future. It is true that the advent of wireless systems has already made huge inroads into how we control our process plants. But systems are independent of technology. For example, you can do Kanban (a NC controlled machine) with 3 x 5 cards or with a computer, and you can get the same results. He knows this to be true from his own experiences. The story isn't about the gee-whiz technology; it is about what the people running plants can do with the technology. But, people have to have a significantly different set of attitudes and training to make the best use of the latest technology. They have to believe that making the processes better with the new technology is a worthwhile effort. In the West, there are many fewer believers than in China."

"Along with changes in technology we see coming in the next decade, we will have to improve the systems to take advantage of those changes. In this case, the systems are people. If we have fewer people entering manufacturing (as has been the case every

year for the past thirty years) and the popular belief about manufacturing continues to be that it is nasty, and dirty, and only fit for people who aren't smart enough to do other things—like investment or mortgage banking—the system will not be able to take full advantage of the new technologies."

The United States' colleges and universities have, by and large, abandoned manufacturing as a field of study. In Xi'an China, Boyes visited not one but two universities with departments of automation. These universities believe that automation and its ability to enable partnerships between academia and manufacturing is a critical knowledge base for the growth and development of Chinese manufacturing. Xi'an, while it is one of oldest cities in China, is not the largest, nor is it the most devoted to manufacturing. Other parts of China have similar resources that we in North America and Western Europe simply do not have any more because we have neglected our manufacturing and decided it was no longer worth the effort."

Manufacturing is critical.

WE CANNOT EXIST AS A SERVICE ECONOMY.

If we want to have robust economy, we need to look more closely at the culture of manufacturing and how the general culture of the West see it. And we will have to, somehow, force the view back to what it was a couple of generations ago, when we, too, believed that manufacturing was a honorable profession.

In summary: "We all need to look closely at the culture of manufacturing NOW and restore the BELIEF that manufacturing is an honorable profession."

I chose this article because we need to realize that the true adversary to our way of life is attitude, attitude, attitude... and most of us need to change it. We can begin by attending the ASPE meeting every month to be the go-to people whom are well informed in the special fields of our chosen endeavors. See you September 21, 2010.

Edwin Louis Hawley, CPD



Plumbing Code Update Class on August 16, 2010

Thanks to Cindy Zatto, with VE Sales, for providing photos and special thanks to our vendors for their continued support!



FYI

The 2009 Michigan Mechanical Code will go into effect on October 20, 2010. The Code books are now available for purchase.

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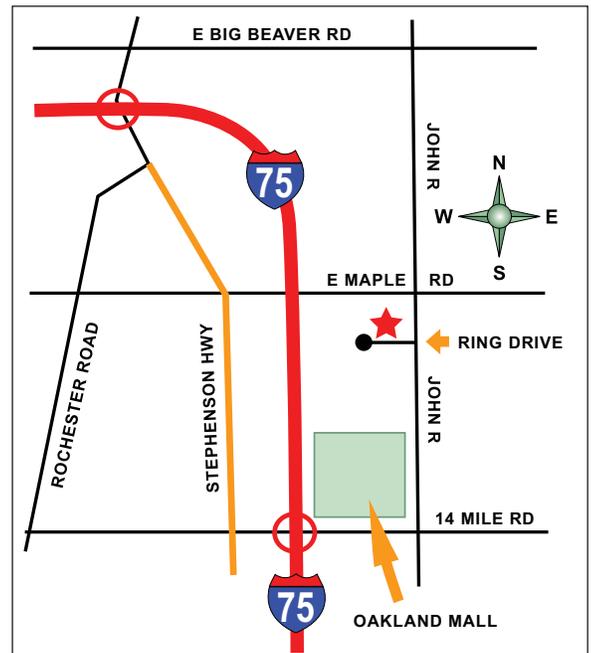
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