



Anyone involved in the plumbing industry would benefit from attending these very informative classes. Knowledgeable and industry-wise presenters teach and interact with attendees in a relaxed and friendly atmosphere. Most of the Technical sessions take place at one of the premier training centers in southeastern Michigan, the Metropolitan Detroit Plumbing Industry Training Center in Troy, Michigan. **All meetings will be in person this year and all sessions will be recorded. Links to the recordings can be found in the Newsletters. CEU's will be available, if desired, to those who attend in person the meetings in person.**

Jointly sponsored by the Eastern Michigan Chapter of the American Society of Plumbing Engineers (ASPE) and American Society of Sanitary Engineering - Michigan Chapter (ASSE), the programs are designed to give a well-rounded learning experience. Classes are open to anyone interested. They are free to ASPE and ASSE members and only \$25 for non-members. The Eastern Michigan Chapter of ASPE will be hosting programming from 5:00 PM to 7:30 PM with dinner served at 6:15 PM. Tabletop vendors are encouraged to introduce products with the latest technologies. **Each sponsor also has the opportunity to provide a five minute presentation at the front of the classroom.**

Pre-registration is required. Contact Pam Hartsell, ASPE EMC VP Technical, preferably by responding to ASPE EMC's Eventbrite invitation to confirm your in-person attendance by the Friday prior to class day. Visit our web site at <http://eastern-michigan.aspe.org> for a map to the Training Center or view the map on the last page of this publication.

THIS YEAR: We will be presenting a series of design classes centered around the CPD Exam - attend all 7 classes to receive a free copy of the CPD Study Guide – 2020, Softcover or eBook (requires Adobe Digital Editions) valued at \$50.

PLEASE NOTE: Topics, times and locations are subject to change, depending on the availability of the presenter or unpredictable circumstances. Check our web site for the most up-to-date information.

EASTERN MICHIGAN PROGRAM

SEPTEMBER 12, 2023

- 5:00 PM - 5:50 PM** CPD Review Manual / Incoming Water Service
- 5:50 PM - 6:15 PM** Vendor Table Top Presentations
- 6:15 PM** Dinner Service
- 6:30 PM - 7:30 PM** Filter First Legislation

DESIGN CLASS

Presenter(s) : Pamela D. Hartsell, CPD, PMP (Project Manager and Certified Plumbing Designer with Strategic Energy Solutions, ASPE EMC VP Technical)

Description: In this presentation we will review incoming water service design considerations. We'll discuss water source, quality, pressure, known regional issues, backflow & cross connection prevention, and the 2018 Michigan Plumbing Code requirements. We will learn how to properly size the incoming service, calculate pressure drop to determine when a booster pump is needed, and review options for water treatment.

TECHNICAL SESSION

Presenter(s) : Zach Dufala (Business Development Manager for Zurn Elkay Water Solutions)

Description: This presentation will review MI SB 88, 89 – “The Filter First bills” as passed by the senate this bill will require all schools and childcare facilities to implement a drinking water management plan, install or supply filtered bottle-filling stations or filtered faucets, and have filtered water regularly tested to ensure the filters are operating properly. Will take a dive into the dangers of lead and the harmful effects of consuming lead in drinking water. Current look at filtered water advocacy sweeping across the nation and innovative solutions to ensure drinking water delivery meets future compliance.

EASTERN MICHIGAN PROGRAM *continued*

OCTOBER 10, 2023

5:00 PM - 5:50 PM	Domestic Distribution
5:50 PM - 6:15 PM	Vendor Table Top Presentations
6:15 PM	Dinner Service
6:30 PM - 7:30 PM	Water Heater Panel - Part 2

DESIGN CLASS

Presenter(s) : Alan Deal, PE (President, Performance Engineering Group)

Description: This month we will focus on the basics of domestic water distribution systems. Some topics we will cover include hot water recirculation systems, cross connection methods, booster pumps and thermal expansion and contraction.

TECHNICAL SESSION

PANEL MEMBERS :

Mike Kennedy (Plumbing House Lead, R.L. Deppmann Company)

Jason Loverich (Senior District Sales Manager, Lochinvar LLC)

Alan Deal, PE (President, Performance Engineering Group)

Matt Stewart (Regional Sales Manager, Chronomite Tankless Water Heaters)

Dan McClary (President of Balfrey & Johnston)

Description: Last program year we brought back our Water Heater Panel discussion. The meeting went great but we ran out of time, so we are bringing our panelists back again to finish up our outstanding questions and to ask more! Some of the topics we didn't get to address last year include: What are the dos and don'ts of heat-pump style heaters? What are the dos and don'ts of tankless heaters? If you have any other questions you would like to pose to our panelists, please let a board member know.

NOVEMBER 14, 2023

5:00 PM - 5:50 PM	Sanitary Waste and Venting
5:50 PM - 6:15 PM	Vendor Table Top Presentations
6:15 PM	Dinner
6:30 PM - 7:30 PM	Interceptors - Types, Applications and Sizing

DESIGN CLASS

Presenter(s) : Rachel Gendich (Mechanical Engineer with Strategic Energy Solutions, ASPE EMC VP Treasurer)

Description: In this presentation we will review sanitary and vent system design considerations. We'll discuss pipe materials, venting methods, types of interceptors, acid waste disposal, temperature maintenance, and the 2018 Michigan Plumbing Code requirements. We will learn what tools are used to size piping, how to calculate fixture units, common requirements for commercial kitchens and the need for backwater valves.

TECHNICAL SESSION

Presenter(s) : Silvano Ferrazo (Zurn/Green Turtle)

Description: This presentation will cover the types of interceptors used in plumbing systems, where they are required and desired, and how to size them appropriately so they not only meet code but function correctly to protect the municipal systems.

EASTERN MICHIGAN PROGRAM *continued*

DECEMBER 12, 2023

- 5:00 PM - 5:50 PM** **Storm System Design**
5:50 PM - 6:15 PM **Vendor Table Top Presentations**
6:15 PM **Dinner Service**
6:30 PM - 7:30 PM **Panel Discussion on Water Treatment**

DESIGN CLASS

Presenter(s) : William A. Grayzar, CPD, GPD, FASPE (DiClemente Siegel Design / ASPE EMC President / Legislative Committee Chair, ASPE National)

Description: In this presentation we will review storm water drainage system design considerations, options for primary and secondary drainage systems, and the 2018 Michigan Plumbing Code requirements. We will learn how to properly size both primary and secondary gravity storm water drainage systems, including scuppers, and how to account for adjacent sidewall area drainage.

PANEL DISCUSSION

PANEL MEMBERS :

- Pam Hartsell - Moderator** (Senior Project Manager, Strategic Energy Solutions, ASPE EMC VP Technical)
Rick Atkins (Director of Business Development, Rapid Water Technologies)
Mike Kennedy (Plumbing House Lead, R.L. Deppmann Company)
Joseph Ham (Regional Sales Manager, Dubois Chemicals)

Description: Join us for an insightful and engaging panel discussion about current technologies in domestic water treatment. Water quality can affect the domestic water system in various ways, causing maintenance issues and equipment failure. Our panel of experts will share their insights on various solutions so you can gain valuable information about domestic water treatment and discover how technological innovations are reshaping the way preventative maintenance can be enhanced to ensure our systems stay operational regardless of the available water quality.

JANUARY 16, 2024 - ** OFFSITE, JOINT MEETING, with ASPE AND ASHRAE **

NOTE: This is the **THIRD** Tuesday of the month vs the second Tuesday, as normally scheduled.

Off Site Location: **The International Banquet & Conference Center - The Beaubien Room**
400 Monroe St. Detroit, MI 48226

- 4:00 PM - 5:00 PM** **Natural Gas Design**
5:00 PM - 6:00 PM **Social Hour**
5:45 PM **Dinner**
6:00 PM - 7:00 PM **Boiler Code Changes**

TECHNICAL TOPIC

Presenter(s) : William Grayzar, CPD, GPD (DiClemente Siegel Design / ASPE EMC President)

Description: In this presentation we will review terminology, governing codes, various components, distribution and design considerations, and materials and joining methods associated with fuel gas piping systems. We will review how operating pressures and pressure losses affect system design. We will learn how to determine building total load and how to design and size building fuel gas piping distribution systems.

DINNER SESSION TOPIC

Presenter(s) : Dave Stenrose

Description: In this presentation the presenter will discuss the Michigan Boiler Code relative to any recent updates.

EASTERN MICHIGAN PROGRAM *continued*

FEBRUARY 13, 2024

5:00 PM - 5:50 PM	Med Gas Basics
5:50 PM - 6:15 PM	Vendor Table Top Presentations
6:15 PM	Dinner Service
6:30 PM - 7:30 PM	Med Gas Specifics

DESIGN CLASS

Presenter(s) : Josh Pedraja (Patton's Medical)

Medical Gas can be confusing, especially to those who do not do it on a daily basis. This Design Class will go over the basics in Medical Gas, specifically to the building design we are reviewing this year. We will cover the basics and what you need to know in order to complete the Medical Gas for this particular design.

TECHNICAL SESSION

Presenter(s) : Josh Pedraja (Patton's Medical)

This presentation will provide insight on the Medical Gas Design in the patient room and operating room in terms of layout and specifics on Medical Vacuum, Medical Air, Non-Medical Air/Instrument Air options and will cover the type of outlets used in each application. In addition, we will gloss over the secondary equipment that connects into the MedGas Outlets in the patient room.

MARCH 12, 2024

5:00 PM - 5:50 PM	Fire Protection (types, standpipes, fire pumps)
5:50 PM - 6:15 PM	NASPE Race Registration / Weigh-in and Table Top Presentations
6:15 PM	Dinner
6:30 PM - 7:30 PM	Fire Protection
7:30 PM - Completion	NASPE Race (approx. 8 PM)

DESIGN CLASS

Presenter(s) : William A. Grayzar, CPD, GPD, FASPE (DiClemente Siegel Design / ASPE EMC President)

Description: This class will provide an overview of the basic sprinkler system configurations, types of sprinkler systems (wet, dry, pre-action, deluge), the various types of valves utilized and sprinkler head types, orientations, and applications.

TECHNICAL SESSION

Presenter(s) : Bill Aaron (Engineered Corrosion Solutions)

This presentation discusses the science of corrosion in fire sprinkler systems. The benefits and practical application of using Nitrogen Gas to inert Wet Pipe, Dry Pipe and Preaction Fire Sprinkler Systems to prevent and manage internal corrosion. Under a nitrogen atmosphere, oxygen corrosion, which is the primary cause of corrosion related failures in sprinkler systems, can be completely controlled resulting in reduced risk (life safety, leak and business continuity), enhanced performance, and extended life of the fire sprinkler system. Removing oxygen from both wet and dry (preaction) pipe fire sprinkler system piping by purging with nitrogen gas can reduce the corrosion rate in a fire sprinkler system by 99% and significantly extend the useful life of the piping.

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EASTERN MICHIGAN PROGRAM

APRIL 9, 2024

5:00 PM - 5:50 PM	Commissioning Plumbing Systems / Intro to backflow testing
5:50 PM - 6:15 PM	Vendor Table Top Presentations
6:15 PM	Dinner Service
6:30 PM - 7:30 PM	Backflow Testing (4 types) – Live Demonstrations

DESIGN CLASS

Presenter(s) : Ron George, CPD (President of Plumb-Tech Design & Consulting Services LLC)

Description : This course will provide an overview covering commissioning of plumbing systems and provide an introduction to the various types of backflow prevention devices to protect the building and city water services. We will discuss the intended use and application for each type of backflow device and the importance of periodic backflow testing. We will briefly review consequences where devices have been improperly utilized or installed or where devices have failed.

TECHNICAL SESSION

Presenter(s) : Ryan Lyle (Director Of Training at Plumbing Industry Training Center, ASPE EMC VP Legislative)
Local 98 Apprentices (Plumbing Industry Training Center)

Description: If you are a person who learns from doing this a technical session you won't want to miss. This will be an interactive "Hands-On" technical session beginning with a live backflow testing demonstration performed by the Local 98 Apprentices in the shop area of the PITC, after which the meeting participants will be allowed to show off their skills performing their own backflow test supervised by the Local 98 Apprentices.

MAY 14, 2024

5:00 PM - 5:50 PM	Summary of Building Design
5:50 PM - 6:15 PM	Vendor Table Top Presentations
6:15 PM	Dinner Service
6:30 PM - 7:30 PM	Compressed Air Systems - layout and design

DESIGN CLASS

Presenter(s) : William Grayzar, CPD, GPD (DiClemente Siegel Design / ASPE EMC President)
Pam Hartsell, CPD, PMP (Strategic Energy Solutions / ASPE EMC VP Technical)

Description: Potential risks, we will polling CPDs on their experience with the exam and the audience on feedback on the design classes.

TECHNICAL SESSION

Presenter(s) : Steve Briscoe (Patton's Inc.)

Description: This program will cover the basics and what you need to know in order to design a system according to best practices and provide an awareness level training on the various types of compressors, along with control types (including VFD) and proper setup for multiple compressor systems. We will discuss filtration and drying equipment to achieve various qualities of compressed air, storage application and sizing as well as piping types, including benefits and installation best practices. We will cover energy efficiency with regards to controls and best practices to ensure the most efficient and reliable compressed air system design.

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SPEAKERS



PAM HARTSELL, CPD, PMP - Strategic Energy Solutions, ASPE EMC VP Technical

Pam is a Project Manager and Certified Plumbing Designer with Strategic Energy Solutions. She has over 30 years' experience in engineering for construction and is both a past president of the ASPE Eastern Michigan Chapter and well as it's current Vice President Technical. Pam's passion for safe, sustainable design and environmental stewardship is what led her to ASPE and what has kept her serving on the Chapter Board in various roles for over 12 years.



ZACH DUFALA - Zurn Elkay Water Solutions

Zach is a Business Development Manager for Zurn Elkay Water Solutions. He has been with Zurn Elkay for 3 years and has over 10 years of combined professional sales experience. For the past 9 months Zach has focused primarily on the K12 vertical with emphasis on State drinking water legislations, filtration, water cooler stations, sustainability, and hygienic restroom solutions. Zach received his bachelor's degree in management from Penn State University. He is a driven passionate professional who enjoys opportunities to present solutions, educate others, problem-solve, while continuously learning.



ALAN DEAL, PE - Performance Engineering Group

Alan is president of Performance Engineering Group, Inc. Performance Engineering Group has been actively involved in designing and marketing hydronic heating and domestic hot water systems since 1964. Performance Engineering Group has been involved with hundreds of energy conservation projects across a broad spectrum of market segments, including renewable energy and waste energy solutions. Performance Engineering Group specializes in working with design engineers and contractors to optimize building performance and the return on capital investment in building mechanical systems. Alan has received many industry awards including multiple ASHRAE technology awards for energy conservation activities.



MIKE KENNEDY - R. L. Deppmann Co.

Mike heads up the RL Deppmann Plumbing House, he holds a Bachelor of Applied Sciences in Heating, Ventilation, Air Conditioning / Refrigeration Technology from Ferris State University. Having been in the industry since 2005, Mike has had the opportunity to learn daily thanks to the diverse nature of our industry. As part of the team at R.L. Deppmann, Mike enjoys being presented with system challenges and finding solutions that make an impact. If you find yourself on a road trip with Mike, be prepared as he will call out buildings, schools, and towns where he provided a solution for a customer!



JASON LOVERICH - Lochinvar LLC

Jason attended Michigan State University graduating with a BA from the Eli Broad College of Business in 1992. Taking a sales position with Lochinvar that same year, Jason has been the Senior District Sales Manager for Lochinvar LLC proudly serving Southeastern Michigan since 2004 and in October will celebrate his 30th anniversary with Lochinvar.

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SPEAKERS *continued*



MATT STEWART - Chronomite Tankless Water Heaters

Matt is the Regional Sales Manager for Chronomite Electric Tankless Water Heaters. He has been with Chronomite for 3 years and a total of 6 within the plumbing industry. He was a college athlete and graduated from Seton Hill University with a bachelor's in communications. He is passionate about people, problem solving and the game of golf.



DAN MCCLARY - Balfrey & Johnston

Dan McClary is the President of Balfrey & Johnston. He has more than 20 years of experience in the tankless water heater market. Balfrey & Johnston currently represents Navien, the largest manufacturer of condensing tankless water heaters, boilers and combination boilers in the United States.



RACHEL GENDICH - Strategic Energy Solutions

Rachel is a Lawrence Tech grad and Mechanical Engineer with Strategic Energy Solutions. She has a passion for sustainable design, including geothermal systems, water conservation technologies and infrastructure for all electric vehicles, and is working towards becoming Certified in Plumbing Design. She is currently serving her 4th year as the ASPE Eastern Michigan Chapter Treasurer and looking forward to serving as Chapter President in the very near future.



SILVANO FERRAZZO - Zurn - Site Works

Silvano Ferrazzo with Zurn Industries Site Works team has over 25 years of experience in Engineering, Product Design, Commercial Development, and Environmental Regulatory development. Silvano is an active Board Member of PDI – the Plumbing and Drainage Institute - as well as ASPE, and participates in CSA and UPC Committees in both the US and Canada. He is a certified presenter for ASPE Continuing Education Credits. With combined North American and International experience, Silvano speaks authoritatively on Interceptor and Trench Drain issues related to wastewater management, and regulations affecting collection systems and employee health and safety. As a

Chemical Engineer, he brings a down to earth approach to shed light on current industry trends and solutions. Since joining Zurn's Site Works team Silvano has been instrumental in providing leadership in sales, education and training, and innovative commercial development solutions to better serve the engineering community in projects ranging from oil and grease management to flow through trench drain innovations.



WILLIAM GRAYZAR, CPD, GPD - DiClemente Siegel Design / President of ASPE EMC

Mr. Grayzar is the president of the Eastern Michigan Chapter of ASPE. He has over 35 years of experience in architecture and engineering. Employed with DiClemente Siegel Design Inc. for over 20 years, Bill continues to enhance his system engineering skills through additional vocational field training. Bill has an excellent working knowledge of Michigan's current building codes and regulations. Bill holds an Associate's Degree of Architectural Technology from Delta College and certifications in Plumbing Design and Green Plumbing Design from ASPE. Bill is active with the National Society of ASPE serving on numerous committees. Bill also serves as the current President of the

Code Study and Development Group of Southeast Michigan and is a member of National Fire Protection Association. Bill received the Michigan Chapter of ASPE award as Engineer of the Year in 2013.

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RICK ATKINS - Rapid Water Technologies / Director of Business Development

Rick Atkins is an experienced business development manager with deep knowledge of manufacturing, fabrication, construction and water industries. He has been involved in research and development of nanobubble technology for the mechanical industry since 2015 and has been responsible for expanding Rapid Water Technologies' markets and finding new applications, such as those for the industrial, institutional, recreational and hospitality industries.



JOSEPH HAM - DuBois Chemicals / Regional Sales Manager

A DuBois employee since 2009, Joe is currently a Regional Sales Manager for the Midwest region, responsible for Business growth throughout the region. Joe is developing process solutions for the DuBois customer base and has been instrumental in the implementation of our remote monitoring and analytics tools. He has significant experience with Water Safety and Legionella control. He presented at the NSF Legionella Conference 2018 and 2019 as well as the 2019 ASHRAE Conference on Secondary Disinfection in Premise Plumbing Systems. Joe has served as a Board Member of MiSHE (Michigan Society of Healthcare Engineers) and is a past president of the South Eastern Michigan Power Plant Engineers Society. Other organizations he is a member of include AWT (Association of Water Technologies), SMSHE (Southeast Michigan Society of Healthcare Engineers) and American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) TC 3.6 Program Chair.



DAVE STENROSE - Bureau of Construction Codes, Department of Licensing and Regulatory Affairs / Chief Boiler Inspector

Dave was born and raised in SE Michigan, he attended H.S. in Livonia and from there went into the Navy and served six years as a nuclear propulsion plant operator. Dave worked for McGraw Edison service group, Hartford Steam Boiler as a boiler inspector, then Rouge Steel as a blast furnace auxiliaries operator. He earned his BSME from Lawrence Tech. in Southfield. Stenrose came to the State as a boiler inspector in 2010, became Assistant Chief in 2013, and then Chief in 2016.



JOSH PEDRAJA - Patton's Medical / ASPE Region 2 Affiliate Liaison and VP Membership

Josh has 18 years' experience in the Medical Gas industry with various roles such as Service Coordinator, Inside Sales, Customer Support and Outside Sales. He also has a little background in industrial vacuum applications. He holds a bachelor's degree from Trinity International University in Deerfield, IL with an emphasis in music and education. His education background is utilized when working with engineering firms as a Medical Gas Consultant and with ASPE education. He currently represents (very proudly) Patton's Medical where he covers the Central US by working with engineering firms, contractors, medical facilities/lab facilities, distributors and service partners. He is the National Account Manager for a major health network and works very closely with every facility nationwide. Some of his recent accomplishments include helping create medical vacuum & air systems sizing standards for the same national health network he helps oversee and has worked with the Federal Emergency Management Agency (FEMA) on designing and building of mobile hospital trailers to treat COVID hotpots and natural disaster relief efforts. Josh is very active with ASPE as current Region 2 Affiliate Liaison, VP Membership with his home chapter of Eastern Michigan, Committee Chairman for the EMC Golf Outings and sits on the ASPE Membership Committee and the Planning Committee for the '24 Expo in Columbus, Ohio. He is active with additional memberships for the Chicago, Cleveland and Central Ohio Chapters. He resides in NW Ohio.



BILL AARON - Engineered Corrosion Solutions

Bill has worked in the fire protection industry for over thirty years with experience in installation, project management, consultation, inspection, installation, and design of fire protection systems. Bill has obtained a certification in Fire Alarm Systems from National Institute for Certification in Engineering Technologies (NICET) Level IV, served on the NICET Board of Governors, and is a past chairman of the NICET Board of Governors. He served as a member of the National Fire Protection Association (NFPA) technical committee for NFPA 2 and NFPA 720. He also served as a member of the National Society of Professional Engineers (NSPE) Board of Directors and the NSPE House of Delegates. Bill has been educating engineers', sprinkler contractors, sprinkler fitters and property managers through ECS University and educational lunch-and-learn sessions since 2017.



RON GEORGE, CPD - President of Plumb-Tech Design & Consulting Services LLC

Mr. George is the president of Plumb-Tech Design & Consulting Services LLC and oversees all operations and oversees all design and consulting projects. Mr. George is very familiar with the plumbing and mechanical codes and standards and sits on numerous plumbing & mechanical codes and standards committees. He has over 40 years of experience designing plumbing and mechanical systems for several major architectural, engineering, and design & construction firms. He has served as an expert witness in many cases and performs forensic investigations all around the United States. He has designed plumbing, mechanical, and fire protection systems for building types including airports, stadiums, industrial manufacturing facilities, office buildings, commercial and retail buildings, hospitals, laboratories, prisons, jails, hotels, apartment buildings, military projects, high rise and educational facilities. www.Plumb-Techllc.com and www.Legionellaprevention.org and www.scaldprevention.org.



RYAN LYLE - Director Of Training at Plumbing Industry Training Center, ASPE EMC VP Legislative

Mr. Ryan Lyle a 20-year member of Plumbers Local 98. Mr. Lyle has had the pleasure of working on many different aspects of the plumbing industry. His career began with mainly heavy commercial plumbing installations. In 2008, he began to focus on industrial plumbing applications and began instructing at the Training center on a part time basis. In 2016, he transitioned to a full-time instructor giving instruction on every facet of the plumbing trade. In February 2021 he became the Director of Training for the Metropolitan Detroit Plumbing Industry Training Center. In addition, he is honored to serve on several committees, is a member of ASSE, serves on the Cross Connection Control Technical Committee, and on the State of MI and District 2 apprenticeship contest committees for plumbing, for the United Association.



STEVE BRISCOE - Patton's Inc.

Steve Briscoe is a graduate of the Northern Alberta Institute of Technology as a Mechanical Engineering Technologist and is currently the Sales Director for Pattons INC., an industrial equipment company in the Southeast. Steve has been in the industrial compressed air field for 27 years and has worked with all sizes of industrial manufacturing facilities in free field system design, retrofit design, energy improvement projects, remote monitoring, compressed air system controls and has performed compressed air energy audits for facilities across the US for the past 22 years. Steve has been involved with the Compressed Air Challenge, a non-profit compressed air education group since 2006, and has been serving as President since May of 2015. He has helped thousands of facilities save hundreds of thousands of dollars in energy as well as increased reliability and quality of their compressed air systems.

VENDOR CLASSES / TABLETOPS

If you are interested in having one or more table top display(s) at one of our meetings, please contact Chip Bidigare at: (586) 256-9822 or chip.bidigare@merloenergy.com

TABLE TOP SPONSORSHIP PRICING

Each sponsor has the opportunity to provide a five minute presentation at the front of the classroom (and have a slideshow for our virtual participants).

ASPE Members

- \$200.00 for the 1st table per meeting/per vendor
- \$150.00 for each additional table per meeting/per vendor

Non-Members

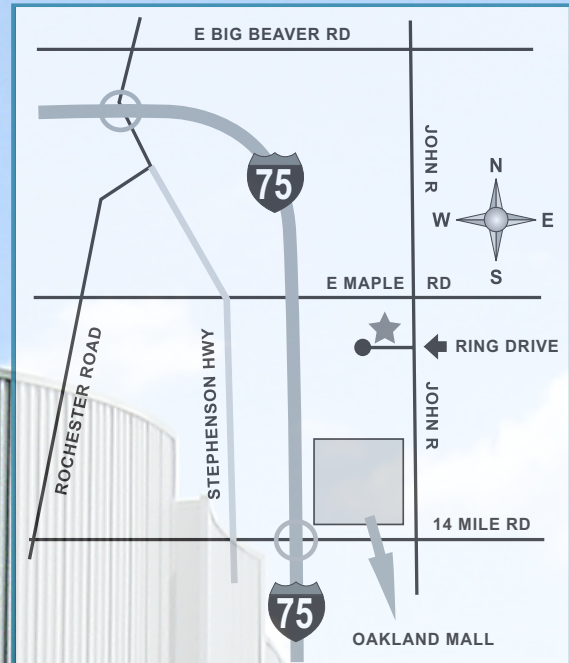
- \$250.00 for the 1st table per meeting/per vendor
- \$200.00 for each additional table meeting/per vendor

If a vendor purchases table tops for 3 meetings during the year, a 4th meeting table top will be provided for free.

LOCATION

ALL Programs take place at the Plumbing Industry Training Center in Troy, MI, unless otherwise stated in the program. Please check the website for the most current information.

1911 Ring Drive, Troy, MI 48083



ASPE MEMBERSHIP

The Value and Benefits of Membership

- ASPE Plumbing Engineering Design Handbook
- Monthly subscription to Plumbing Engineer Magazine
- ASPE Report (Plumbing Engineer Magazine)
- Biweekly ASPE Pipeline e-newsletter
- Members-only ASPEnet access (includes access to ASPE PEDH chapters)
- Publication and education program discounts
- ASPE Biennial Convention and Engineered Plumbing Exposition (even years)
- ASPE Biennial Technical Symposium (odd years)
- Technical seminars and workshops
- Access to earn continuing education units (CEUs)
- Technical books and manuals (specific to the profession of plumbing engineering)
- Professional certification / recertification
- Continuing education opportunities in Plumbing Engineer Magazine
- Alfred Steele Scholarship Program
- Local chapter affiliation
- Monthly chapter meetings and technical seminar opportunities
- Networking opportunities with plumbing engineers worldwide
- Leadership opportunities (national and chapter boards of directors and committees)

National ASPE Website: www.aspe.org

Local Michigan Chapter: http://aspe.org/Eastern_Michigan

Please forward this to others of interest.

2023-2024 ASPE-EMC Board

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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.

