

## MARCH. - MEETING AGENDA

### DATE:

TUESDAY, MARCH 12, 2024

### WHERE:

Plumbing Industry Training Center  
in Troy, MI

### 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 Service

### 6:30 PM - 7:30 PM

Fire Protection

### 7:30 PM to completion (approx. 8p)

NASPE Races

## REGISTRATION REQUIRED

IN-PERSON: <https://www.eventbrite.com/e/aspe-emc-march-2024-technical-program-tickets-850017072947>

SEE INSIDE COVER FOR TABLE OF CONTENTS

## William Grayzar, CPD, GPD, FASPE President of ASPE EMC



Members of EMC-ASPE, please join me in welcoming our newest chapter member Mr. Matthew Tucker with Burke Agency. Welcome Matthew! Chapter members if you see Matthew at any of our upcoming chapter meetings make sure to introduce yourself.

April will be here before you know it and it will be time again for our annual election of the chapter board officers. If you are interested in a chapter position or if you are on the fence, please reach out to one of the current chapter officers, we are more than happy to share our experiences and answer any questions you may have. My many times serving as a chapter officer for the Eastern Michigan Chapter and numerous committees on the National Society level have been and continue to be a very rewarding experience. My knowledge and networking of colleagues and friends across the country continues to grow, each and every time I volunteer. We would like to have a complete list of candidates by **March 31, 2024**. We will hold our election electronically in April 2024. Ballots will be sent to all current chapter members. Then at our May 2024 meeting, the newly elected officers will be inducted to the EMC-ASPE board.

EMC-ASPE members, the March chapter design class and technical session will be covering Fire Protection. Our design class will provide an overview of the basic fire suppression systems and components, followed by our technical session covering corrosion control in fire suppression systems. I will host the design class and Mr. Bill Aaron with Engineered Control Solutions will handle the technical session.

Please remember to complete the evaluation report provided for each monthly Design Class and Technical Session. These reports are essential in providing the insight needed for the EMC-ASPE chapter board to continually improve our programs and maintain our self deemed status as the "education chapter".

Don't forget to bring your cars for the annual NASPE races, celebrating "World Plumbing Day" (WPD). NASPE racing will directly follow the March technical session.

Mark your calendars for EMC-ASPE's Golf Outing on June 11, 2024. Refer to the flyer on page 14 of this newsletter for more information.

*Continued on page 2*

# NOTICES

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### MARCH BOARD MEETING

Tuesday, 3/5/24 @ 4:30pm  
Online Meeting

### MARCH PROGRAM

Tuesday, 3/12/24, 5pm - 7:30pm  
Plumbing Industry Training Center,  
1911 Ring Drive, Troy, MI 48083

### NASPE RACES - IN CELEBRATION OF WORLD PLUMING DAY!

Tuesday, 3/12/24, 7:30pm to completion  
Held following the March 2024 Meeting  
Flyer on pgs. 12-13

### ASPE EMC GOLF OUTING

Tuesday, 6/11/24  
The Links of Novi  
Flyer on pg. 14

## President's Report (cont. from page 1)

Bill Grayzar, CPD, GPD

Reminder, ASPE's Bi-Annual Convention and Expo 24 will be held October 18-23, 2024, in Columbus, Ohio. Please let the board know if you plan attend. We try to keep the representatives of our chapter in attendance informed of other ongoing events and activities at the convention as well as to attend the events as a chapter, when possible.

Reminder, the 2021 Part 7 MPC (Michigan Plumbing Code), 2021 Part 9a MMC (Michigan Mechanical Code) and the 2021 Part 8 MEC (Michigan Electrical Code) will go into effect on March 12, 2024, according to the State of Michigan's department of Licensing and Regulatory Affairs (LARA) website. The 2021 Part 4 MBC (Michigan Building Code) and the 2021 Michigan Rehabilitation Code filing and effective dates are still pending.

The 2021 MPC and 2021 MMC can be pre-ordered now through the Code Study group of Southeastern Michigan using the form included in this newsletter. Other codes are also available for purchase through the Code Study group of Southeastern Michigan.

I look forward to seeing you at the Plumbing Industry Training Center on March 12, 2024.

*Bill*



**LATEST NEW MEMBER(S)**  
**~ WELCOME ~**

**MATTHEW TUCKER**

## **MARCH DESIGN SESSION**

**5:00-5:50 PM**

**TOPIC: Fire Protection -  
(types, standpipes, fire pumps)**

Presenter: **WILLIAM A. GRAYZAR**, CPD, GPD, FASPE  
*DiClemente Siegel Design / ASPE EMC President*



*William Grayzar*

**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.

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 ASSE award as Engineer of the Year in 2013.

## **MARCH TECHNICAL SESSION**

**6:30-7:30 PM**

**TOPIC: Fire Protection**

Presenter: **BILL AARON**  
*Engineered Corrosion Solutions*



*Bill Aaron*

**Description:** 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 Pre-action 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 (pre-action) 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.

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.

### **New This Year:**

Design classes will be centered around the CPD Exam- attend all 7 classes and receive a CPD Study Guide.

### **About Registration and CEUs:**

You will need to register using an Eventbrite link that will be in the email. This allows us to know how many people we can expect. We require sign in/sign out sheets and your CEUs will be submitted to national within 1 week of our event. It may take up to another 2 weeks for the CEUs to show in your ASPE Education log. The PITC does have guest protocols we will have to obey in order to meet there, so please follow all posted signage and procedures.

# IN THE KNOW

## EMC 45TH ANNIVERSARY HISTORY BOOK IS STILL AVAILABLE!

Cost for printed book - \$50, check or credit card accepted

Pick up @ SES or during a chapter meeting

FREE digital download on the ASPE EMC website.

## TABLE TOP SPONSORSHIP PRICING

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.



## HANDS-ON TRAINING FOR UTILITY SYSTEMS

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## VP Technical Report

**Pam Hartsell, CPD, PMP**



March-ing onward for you, Eastern Michigan!

The recent warm weather has been energizing for me! I hope you're all getting outside for that much needed daily dose of Vitamin D that we Michiganders so desperately need!

Our March Meeting was a peek behind the curtain of Medical Gas System design with our very own Josh Pedraja. Josh gave two presentation last month. First was an overview of Medical Gas Basics, and second was a more intensive look at Medical Gas Specifics. We were fortunate to have a few new faces – both in the audience and at our sponsor tables! The program was both interesting and informative, and we can't thank Josh enough for putting in the effort to provide us with those back-to-back sessions.

Next month's topic is another favorite of our chapter – Fire Protection! We're offering a design class, presented by EMC President Bill Grayzar, and a technical session from one of our new partners – Bill Aaron of Engineered Corrosion Solutions. Please join us in welcoming them both to the podium!

If you're not on our Eventbrite mailing list, please let me know asap! In the meantime, you can register for the meeting with this link:

<https://www.eventbrite.com/e/850017072947?aff=oddtcreator>

We'll also be hosting our annual Pinewood Derby Car Race – NASPE! We hold this race every year in honor of World Plumbing Day, which falls on March 11th – Every Year, Everywhere! If you like cars, enjoy building models and love the excitement of a good race – car kits are still available! Reach out to any Board Member to get yours and join in the fun! We'll have trophies and prizes for all the winners!

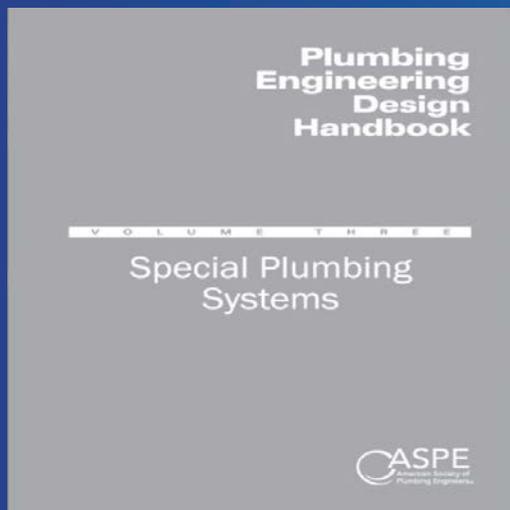
Please note that we are currently recruiting members to join our Chapter Board of Directors. If you have the volunteer spirit, and a passion for all things plumbing - a board position is the perfect place to give back to your ASPE community!

As always, please reach out to me if you have any questions.

Your Chapter VP Tech,

Pam Hartsell

[vpt.aspe.emc@gmail.com](mailto:vpt.aspe.emc@gmail.com)



**ASPE MEMBERS NOW HAVE ACCESS TO THE NEW UPDATED VERSION OF THE PLUMBING ENGINEERING DESIGN HANDBOOK - FOR FREE!**

**Click here to find out more.**

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## VP Membership Report

Josh Pedraja, ASSE 6060



Happy St. Patrick's Day and Happy World Plumbing Day! In celebration of World Plumbing Day, every March we host our Annual NASPE Pinewood Derby Races directly following our technical session. So, if you're a chapter member, don't forget to come and race with us on March 12th! I, for one, am excited for the races! Contact a board member to receive

your derby car and build it your way (following the rules and specs. listed in this newsletter on pages 12-13). Even if you do not plan on racing a car, we'd still love to see you at the meeting!

**Golf update 2024: REGISTRATION OPENS MARCH 13TH!!** Tuesday, June 11th 2024 is our 2nd Annual Golf Outing. It will be held again at The Links of Novi in Novi. Stay tuned for more information!

Connect with and Follow us on LinkedIn (ASPE Eastern Michigan Chapter). We have up to date announcements and different posts that are educational, entertaining and informative on current events happening in our Plumbing World!

**Membership renewal!** If you are up to renew your membership, remember to do it today! We don't want to see you go!! There is a new option to be a part of multiple chapters!

If you are interested, please keep The Eastern Michigan Chapter as your home chapter and signup for as many others as you wish for only \$80 per chapter. You can also take advantage of Multiple-Year Membership Renewal. Save on your ASPE membership dues if you join or renew for more than one year! • 5% Discount for a two-year renewal. • 10% Discount for a three-year renewal.

**Current Members:** Let's not forget our mission to bring in fresh faces – we're all about embracing and empowering younger members. They bring new energy and ideas that keep us on our toes and moving forward. Together, we're building something fantastic here, and we're grateful for each one of you who's part of it. I feel this is a great time to challenge you to invite someone to join our chapter! As always, the Eastern Michigan Chapter of ASPE is looking for new members! Do YOU know of any?? Anyone that would benefit in Plumbing Technical Publications – Plumbing Convention and Technical Symposia – Certifications in Plumbing Design – Plumbing Codes and Legislation – Continued Education Programs and networking with peers throughout the plumbing industry. Please send them my email address and we'll get them signed up with this great organization. [vpm.aspe.emc@gmail.com](mailto:vpm.aspe.emc@gmail.com)



# CPD Examination

**2024 CPD Exam Dates: April 15–26**

**Deadline to register is April 1, 2024**

To receive a registration link, please fill out the eligibility form

Click [HERE](#) to access the eligibility form.

# Member Birthdays

## **FEBRUARY BIRTHDAYS**

- Brian Chinery . . . . . 3-01
- Michael Taggart . . . . . 3-01
- Thomas Huck . . . . . 3-08
- Jeremy Halligan . . . . . 3-09
- Mike Ostrowski . . . . . 3-17
- Kyle Wefing . . . . . 3-20
- Sean McIntosh . . . . . 3-30
- Ashley Collins . . . . . 3-31
- George Johnston II . . . . . 3-31

\* Member birthday list provided by VP Membership, Josh Pedraja

**CELEBRATE EACH DAY LIKE IT'S YOUR BIRTHDAY!!**



## Update your specifications! The NEW EZH20 is here!

Single Old#	<b>New</b>	Bilevel Old #	<b>NEW</b>
LZS8WSLP	<b>LZS8WSSP</b>	LZSTL8WSLP	<b>LZSTL8WSSP</b>

### FEATURES:



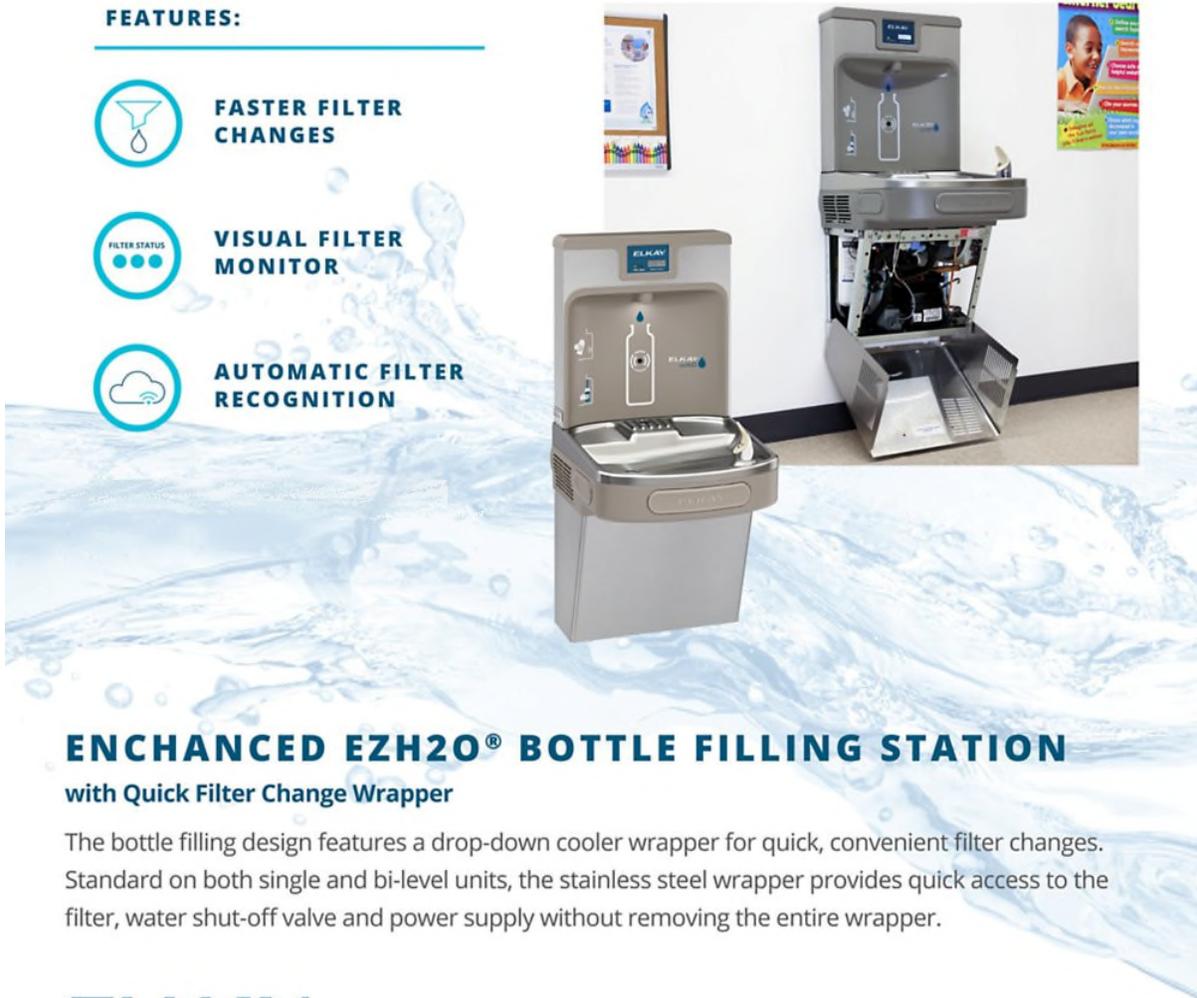
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# DOMESTIC WATER TREATMENT

## A TO Z

**WHEN:** Thursday, March 7, 2024 // noon – 1 p.m. EST

**WHAT YOU'LL LEARN:**

- » Basic water chemistry (how contaminants get into the water)
- » Common contaminants affecting water aesthetics (taste, odor, and appearance)
- » Common contaminants affecting water safety
- » Ion exchange + applications
- » Oxidation / Filtration + applications
- » Membrane filtration + applications
- » Media filtration + applications
- » Mechanical filtration + applications
- » Chemical injection + applications
- » UV/ Ozone + applications

**WHO:** Chris is the President of Rep Source LLC, a manufacturers representative. Since 2008, Chris has worked with building owners, engineers, architects, designers, and contractors for product selection, project design and layout, and product installation, troubleshooting, startup, and maintenance recommendations for plumbing, architectural, and water treatment systems. Chris is an authorized CEU instructor for several plumbing manufacturers and is knowledgeable in waterborne pathogen mitigation, high-purity water treatment systems, LEED and sustainability, and general plumbing topics.

RSVP

BROUGHT TO YOU BY:

**ASPE**  
**YOUNG**  
PROFESSIONALS™

**CASPE**  
American Society of  
Plumbing Engineers™  
REGION TWO

PRESENTED BY:  
**CHRIS STACKHOUSE**



# MEDICAL GAS SERIES: OVERVIEW ON MEDICAL AIR

**WHEN:** Thursday, March 14, 2024 // noon – 1 p.m. EDT

**WHO:** Josh has 18 years of experience in the Medical Gas industry serving various roles such as Service Coordinator, Inside and Outside Sales, and Customer Support. He also has a background in industrial vacuum applications. Josh holds a bachelor's degree from Trinity International University in Deerfield, IL with an emphasis in music and education. Josh's education background is utilized often while consulting with engineering firms as a Medical Gas Consultant and teaching as an ASPE educator. Josh works with engineering firms, contractors, medical and lab facilities, distributors, and service partners throughout the Central U.S. He is the National Account Manager for a major health network and works very closely with each of their health facilities nationwide.

Some of Josh's recent accomplishments include becoming certified in Medical Gas Design and being the first to be credentialed through NITC for the ASSE 6060 certification. Josh also helped create medical vacuum and air systems sizing standards for a national health network and has worked with the Federal Emergency Management Agency (FEMA) on the designing and building of mobile hospital trailers to treat COVID hotspots and natural disaster relief efforts.

Josh is a very active ASPE member, currently serving as the Region 2 Affiliate Liaison, Eastern Michigan Chapter Vice President of Membership, and Committee Chairman for the EMC Golf Outings. He serves on multiple committees including the ASPE Affiliate Advisory Committee, ASPE Membership Committee, and the Central Ohio Chapter 2024 Convention & Expo Planning Committee. He is active with additional ASPE memberships for the Chicago, Cleveland, and Central Ohio Chapters. Josh and his family reside in northwest Ohio.

RSVP

BROUGHT TO YOU BY:

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PRESENTED BY:  
**JOSH PEDRAJA**





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In celebration of  
**World Plumbing Day**  
the EMC-ASPE will be  
hosting the following  
event at the  
March 12<sup>th</sup>, 2024 meeting:



NASPE racing is a timed race similar to a Pinewood Derby Race utilized in the Cub Scouting Program around the world.

The NASPE Race is themed to celebrate World Plumbing Day.

World Plumbing Day is an international event held every year on March 11 and was initiated by the World Plumbing Council to celebrate the important role plumbing plays in the health and safety of modern society.



EMC-ASPE is encouraging chapter members to design, build and race cars in celebration of World Plumbing Day. A raffle along with trophies, awards and prizes will be provided at the event. Based on the number of entries awarded may be provided for:

- Fastest race time (1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> Place)
- Best representation for World Plumbing Day
- Best representation of a plumbing product.
- Best representation of a plumbing tool.
- Best green design

**Car Kits are Free to all EMC-ASPE Members  
you can contact any of the chapter board  
members!**

**DINNER – RACING - PRIZES**

EMC-ASPE Board members will serve as Official Judges for the event and William Grayzar chapter President will serve as the race moderator and official.

**OFFICIAL RACE AND ASPE TECHNICAL MEETING:**

**WHEN:** Tuesday, March 12<sup>th</sup>, 2024.

**WHERE:** Plumbing Industry Training Center located at 1911 Ring Drive in Troy, Michigan

**AGENDA:**

- |  |   |
|--|---|
| ➤ Design Class                             | 5:00 P.M. till 6:00 P.M.                    |
| ➤ <b>Race Registration &amp; Weigh-In:</b> | <b>6:00 P.M. till 6:30 P.M</b>              |
| ➤ Dinner                                   | 6:00 P.M. till 6:30 P.M.                    |
| ➤ Technical Session                        | 6:30 P.M. till 7:30 P.M.                    |
| ➤ NASPE Race                               | 7:30 PM till completion (approx. 8:00 P.M.) |



## CODES AND STANDARDS for NASPE Racing are as follows:



### OFFICIAL RACE CAR DESIGN BUILD KIT:

1. Official Race Car Kits must be the same as those used for the Cub Scouting program pinewood derby races. Car kits will be available at the ASPE Technical meetings, or the can be obtained by contacting an ASPE board member. **The kits are free for members** and will be available at the December, January and February technical meetings. Official car kits may also be purchased from your local scout store.
2. If you have a child, grandchild, nephew, etc. involved in Cub Scouting, please feel free to use their car for the NASPE race, provided it meets the Specification for Construction requirements. Car must still be registered and weighed-in on the night of the event to be eligible for prizes.
3. Participants may enter more than one (1) car for the event, but only the first car kit is free. Addition kits can be purchased at a cost of \$6.00 each.



### CAR SPECIFICATIONS FOR CONSTRUCTION: (Also see sheet included with your official car kit).

1. WEIGHT: 5 ounces **maximum** (but can be lighter). Min. weight of 4 ounces is suggested.
2. LENGTH: 7 inches **maximum** (but can be shorter).
3. WIDTH: 2 3/4 inches **maximum**, and 1 3/4 inches **minimum** between the front wheels and the same between the rear wheels. Otherwise, your car will not fit over the track guide rail.
4. CLEARANCE: 3/8 inches **minimum** from bottom of car to track (rail) top. Otherwise, your car will not clear the track guide rail.
5. WHEELS: You must use the wheels supplied with your official car kit (or similar BSA official racing wheels available at your local scouting shop).
6. Axles do not necessarily have to be placed in the pre-drilled slots, but the axle (nails) supplied in your car kit **MUST** be utilized.
7. **NO**, bearings, moving or loose parts are allowed **ANYWHERE** on or in the car.
8. The car shall not ride on any kind or type of spring.
9. Graphite (or dry lubricant) may be added to the wheels until the car is registered and weighed-in, but not after. **No Liquid or oil base lubricants will be allowed** as they can ruin the racing surface.
10. Magnets are not allowed anywhere on the car as they may interfere with the timing system.

### REGISTRATION AND WEIGH-IN PERMITS:

1. All cars must be registered and weighed-in to be eligible to participate in the event.
2. Your official car number will be provided during registration and weigh-in period.
3. Cars will be impounded (retained) by the race staff until completion of the event at which time they will be returned to the participants.
4. If a car is not in compliance with the codes and standards outlined above it will be disqualified and will not be eligible to receive trophies and awards. However, at the discretion of the race official the car may still be allowed to race.
5. If you are unable to be present for the registration and weigh-in period, but still wish to participate, please contact the EMC-ASPE Board or the race official to make arrangements register and weigh-in car prior to March 12<sup>th</sup>, 2024.

“Good Luck and Have FUN Racing”





**EASTERN MICHIGAN**

# **2ND ANNUAL GOLF OUTING**



**TUESDAY, JUNE 11, 2024**



**THE LINKS OF NOVI  
NOVI, MICHIGAN**

# ASPE Mentoring Program

The Women of ASPE are excited to introduce ASPE's new Mentoring Program!

This program, which is available to all members of the Society, has been designed to connect ASPE members who have a particular skill set (mentor) with individuals (mentee) who are searching to acquire the same skills to develop and make progress toward their personal and professional goals.

## **Who Is a Mentor?**

A mentor is someone who can help the mentee develop skills for success and long-range career planning, is able to be a good listener, is willing to share experiences and views, is willing to commit time and effort, provides an "open door" to questions and problems, points out both strengths and opportunities for improvement, and has a vested interest in the growth and development of their mentee.

### *Benefits to the mentor:*

- Satisfaction in helping someone mature, progress, and achieve goals
- Meeting and sharing experiences with other mentors
- Personal ongoing support to help the mentee succeed
- Personal fulfillment through contribution to the Society and the individual

## **Who Is a Mentee?**

Having a mentor can contribute to a successful and satisfying career. Without a mentor, that learning occurs mostly through trial and error. With a mentor, even experienced professionals can benefit from the experiences and expertise of someone who has withstood the trial and can help the mentee avoid the mistakes. Similarly, those new to the industry will discover that being a mentee shortens the learning curve for acquiring the skills and knowledge most critical to a fruitful career.

### *Benefits to the mentee:*

- Discover new talents about yourself
- Career satisfaction
- Expand your personal network
- Maximize your strengths

**For more information click below:**

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Josh Pedraja  
Jeff Petack

Gerry Potapa  
Jackson Russo  
Christopher Salazaar  
John Taylor  
Matt Tucker  
Brandon Watts  
Zach Wells  
Cindy Zatto

# FEBRUARY MEETING PHOTOS



Josh Pedraja of Pattons Medical presented Medical Gas Basics

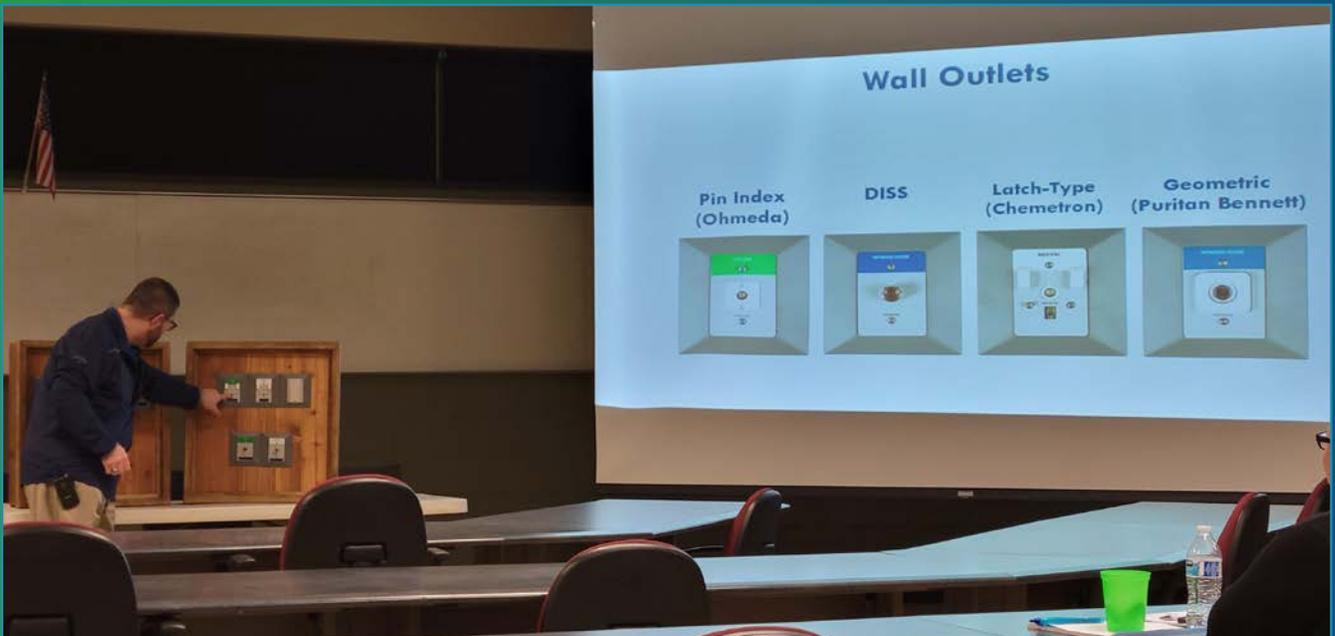


A lot of new faces this month!

# FEBRUARY MEETING PHOTOS



Josh Pedraja of Pattons Medical presented Medical Gas Specifics



Interesting info was presented about types of medical gas outlets

# FEBRUARY MEETING PHOTOS



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# FEBRUARY MEETING PHOTOS



**EMC President Bill Grayzar (left) presents a Certificate of Appreciation to Josh Pedraja of Pattons Medical for his Medical Gas Presentations**



**Congrats to Paul Matthes (left) for winning our raffle prize!**

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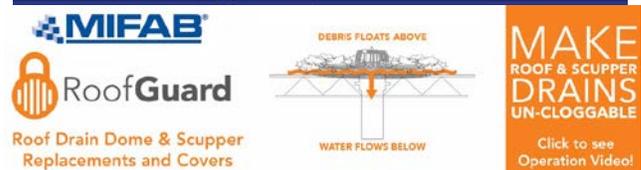
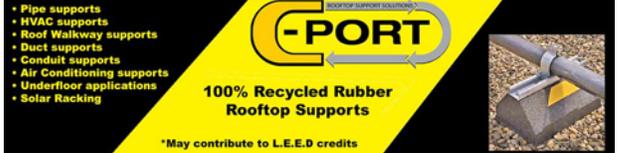
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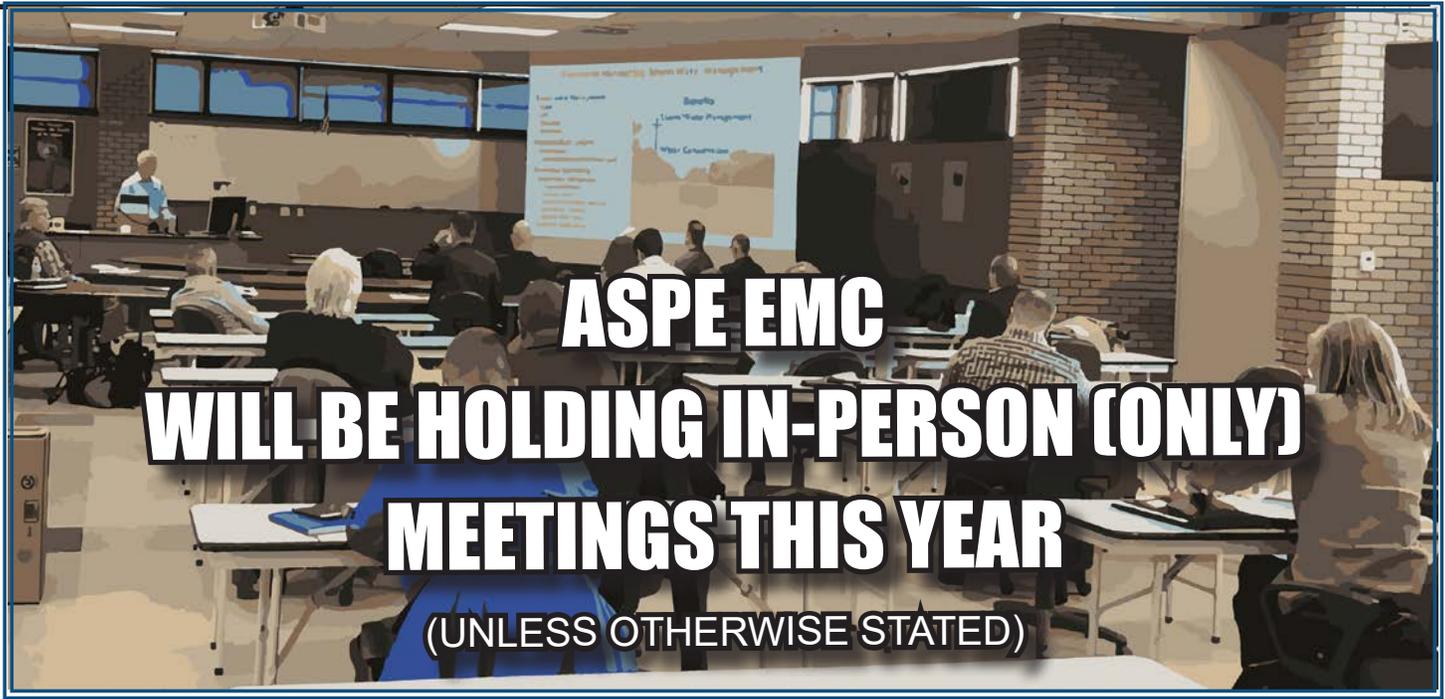
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Southfield, MI 48076  
(248)569-1430 ext.333  
bill@dsdonline.com  
[president.aspe.emc@gmail.com](mailto:president.aspe.emc@gmail.com)

### VP Technical

Pam Hartsell, CPD, PMP  
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(248) 399-1900 x 222  
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Troy, MI 48083-4229  
248-585-1435 ext. 122  
[Ryan.Lyle@ualocal98jatic.org](mailto:Ryan.Lyle@ualocal98jatic.org)

### VP Membership

Josh Pedraja, ASSE 6060  
Toledo, OH | Central USA  
4610 Entrance Drive, Suite H  
Charlotte, NC 28273  
616-307-5968  
[joshpedraja.aspe@gmail.com](mailto:joshpedraja.aspe@gmail.com)

### Education Chair

Kristin Simoneaux, P.E., CPD  
2338 Coolidge Hwy. #100  
Berkley, MI 48072  
(248) 336-4760  
[kristin.simoneaux@stantec.com](mailto:kristin.simoneaux@stantec.com)

### Treasurer

Rachel Gendich  
Strategic Energy Solutions  
4000 W. Eleven Mile Rd.  
Berkley, MI 48072  
(248) 399-1900  
Fax: 399-1901  
[treasurer.aspe.emc@gmail.com](mailto:treasurer.aspe.emc@gmail.com)

### Administrative Secretary

George Johnston II  
13050 Northend Ave  
Oak Park, MI 48237  
(313) 864-2800 Fax: 864-7219  
[george2@balfrey-johnston.com](mailto:george2@balfrey-johnston.com)

### Corresponding Secretary/ VP Social Media

Josh Pedraja, ASSE 6060  
Toledo, OH | Central USA  
4610 Entrance Drive, Suite H  
Charlotte, NC 28273  
616-307-5968  
[joshpedraja.aspe@gmail.com](mailto:joshpedraja.aspe@gmail.com)

### Chaper Affiliate/Liaison

Chip Bidigare  
23350 15 Mile Rd.  
Clinton Township, MI 48035  
586-755-3110 x 5938  
[chip.bidigare@merloenergy.com](mailto:chip.bidigare@merloenergy.com)

### AYP Liaison

Rachel Gendich  
Strategic Energy Solutions  
4000 W. Eleven Mile Rd.  
Berkley, MI 48072  
(248) 399-1900  
Fax: 399-1901

### WOA Liaison

Theresa Card, P.E., CPD,  
LEED AP BD+C  
Strategic Energy Solutions  
4000 West 11 Mile Rd  
Berkley, MI 48072  
(248) 399-1900 ext 223  
[allethe@gmail.com](mailto:allethe@gmail.com)

### Directors

Michael Melaragni, CPD  
38958 Lapham Drive | Livonia,  
MI 48154-1014  
(734) 591-9339  
[mjmelaragni@yahoo.com](mailto:mjmelaragni@yahoo.com)

Theresa Card, P.E., CPD,  
LEED AP BD+C  
Strategic Energy Solutions  
4000 West 11 Mile Rd  
Berkley, MI 48072  
(248) 399-1900 ext 223

Brianne Hall, P.E., CPD,  
LEED AP BD+C, GGP  
FTC&H  
39500 Mac Kenzie Dr. Suite 100  
Novi, MI 48377  
(248) 324-4780  
[bhall@fishbeck.com](mailto:bhall@fishbeck.com)

Dann Holmes  
(248) 921-0582  
[buildingwaterhealth@outlook.com](mailto:buildingwaterhealth@outlook.com)



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