

# ASPE DFW Newsletter

August 2024



## President: Brittainy Tidwell, PE, CPD, LEED AP

Hello Dallas / Ft. Worth American Society of Plumbing Engineers! I am so thrilled to be your chapter president for the next two years. I would like to start things off with a huge thank you.



Thank you to Brett McQueen for leading the chapter over the past two years. Brett's steady guidance has helped us grow after being apart during the harder years of Covid.

Thank you to the other board members who support the chapter, organize and

host events, maintain our website, and keep things moving smoothly. A special thank you to Curtis Dady, who volunteers for both the Houston chapter and our DFW chapter and puts this newsletter together every month.

And most importantly, thank you to all the Dallas/Fort Worth ASPE members! I appreciate your friendship and mentorship over the years and appreciate you trusting me to lead as your chapter president. I truly hope to make you proud.

This chapter has been a crucial part of my engineering career.

My first year as a mechanical EIT I took the Basic Plumbing Design course that Mike Danielson still teaches. That was before I had any idea what was going on, and I came away with a newfound appreciation and respect for the complexity and importance of plumbing design.

Then Luke Martin asked me to join the board as Women of ASPE liaison about nine years ago. I had no idea what I was getting myself into, but I'm so glad I said yes. Gwynne Morrison was president at the time, and she showed me that not only do women have a place here in the plumbing industry, we can be leaders as well.

One of my proudest moments as WOA liaison is establishing the shotgun clinic with Doug Jones. This class happens annually a few weeks before our chapter clay shoot, and it's a great opportunity to learn how to safely handle a shotgun without the added excitement, distraction, and pressure of the clay shoot. I hope it gives more people the confidence and comfort to join us on the big day.

We have lots of exciting and educational events on the horizon for this year. I hope to see you all at the shotgun clinic or the clay shoot later this month. Let's learn together and have some fun!

## President: Brittainy Tidwell, PE, CPD LEED AP

[btidwell@huitt-zollars.com](mailto:btidwell@huitt-zollars.com)

## VP Membership Keith Davis

[vpmembership@dfwaspe.org](mailto:vpmembership@dfwaspe.org)

## Treasurer Melanie Willhite, FPE, CPD

[mwillhite@ssr-inc.com](mailto:mwillhite@ssr-inc.com)

## VP Technical

## VP Legislative

## Admin Secretary

## Corresponding Sec

## David Eoff

[deoff@preferred-mfg.com](mailto:deoff@preferred-mfg.com)

## Tim Campbell

[TimC@mjec.com](mailto:TimC@mjec.com)

## Yolanda Mashni, EIT, CPD

[Yolanda.mashni@jacobs.com](mailto:Yolanda.mashni@jacobs.com)

## Greg Swafford, CPD, GPD

[gswafford@ssr-inc.com](mailto:gswafford@ssr-inc.com)

## VP Membership: Keith Davis



**Welcome new members!** Karina Cabreja, David Corkran (CVMG, LLC), Jose Duran (Uponor)

The DFW Chapter Board of Directors appreciates help from each of you for recruiting colleagues and contacts to the ASPE DFW Chapter!

### COMMITTEE POSITIONS

#### *AYP Chair*

Shaun Meyer

#### *WOA Chair*

Kendra Barnes

kendra.barnes@rehau.com

#### *Social Media Chair*

Kendra Barnes

kendra.barnes@rehau.com

#### *Education Chair*

Mike Danielson

mdanielson@rwb.net

#### *Webmaster*

Greg Swafford

gswafford@ssr-inc.com

#### *Newsletter Editor*

Curtis Dady

curtisd@pmireps.com

#### *Fund Raising Chair (Events)*

Erin Hollingsworth

erin.hollingsworth@hts.com

#### *Product Show Chair*

Anthony Gonzalez

agonzalez@onco-tx.com

#### *Historian*

Jim Vertz, CET, FASPE

rowlett10@verizon.net

#### *Affiliate Liaison*

Luke Martin

luke.martin@viega.us

Chapter	Jul-23	Jul-24	% change	PE	CPD	CPD + PE
Chicago	274	298	9%	51	67	21
Dallas/Ft. Worth	255	259	2%	67	51	16
Houston	227	243	7%	35	35	16
Wisconsin	163	163	0%	34	13	3
Central Texas	138	149	8%	26	28	4
Minnesota	157	148	-6%	41	24	4
Kansas City	123	136	11%	46	17	7
St. Louis	120	126	5%	33	26	7
Omaha	75	73	-3%	15	14	1
Oklahoma	74	69	-7%	17	7	0
Arkansas	47	53	13%	10	5	0
Central Illinois	33	30	-9%	7	5	0
Lubbock High Plains	11	11	0%	5	0	0
<b>Region 5 Total:</b>	<b>1697</b>	<b>1758</b>	<b>4%</b>	<b>387</b>	<b>292</b>	<b>79</b>

# 2024 CPD'S

ABDELRAHMAN SALAMA IBRAHIM  
ATTIA, CPD

CHRISTOPHER WARRN DIKE, CPD

ALEXEY PISLEGIN, CPD

JORGE LUIS RABAGO, CPD

# Introduction to your 2024-25 ASPE DFW Board of Directors

Brittainy Tidwell, Chapter President

## VP Technical – David Eoff

David Eoff is Vice President of Sales at Preferred Utilities. He is returning to the DFW ASPE Board after a few years away and we are so excited to have him! Previously he was our Product Show Chair, and now he is our VP Technical and will be scheduling and coordinating all of our technical presentations. If you have a specific topic you would like to learn more about, please reach out to him.

## VP Legislative – Tim Campbell, CPD

Tim Campbell is a returning board member and a strong leader in our chapter. He is a Sales Executive at McMillan James Equipment Company and focuses on building strategic partnerships with industry professionals and project stakeholders. Tim is also the Research and Promotion Chair for the Dallas ASHRAE chapter and has been our DFW ASPE Corresponding Secretary.

## VP Membership – Keith Davis

Keith Davis is a Business Development Manager for Jones Stephens. He has been our VP Membership for the past two years, was our VP Membership several years ago, and is once again taking that role on the board. He has fostered the growth of our chapter from 252 members last August to 265 this June. It's exciting to see that steady growth!

## Treasurer – Melanie Willhite, F.P.E., CPD, ASSE 6060, ASSE 6005

Melanie Willhite is a Plumbing and Fire Protection Engineer with Smith Seckman Reid, Inc. She has been doing a wonderful job as our treasurer and will continue in that role. Melanie organized our golf tournament this past spring at Bear Creek Golf Club which was a huge success! She is also a Baylor Bear like me... Sic 'em bears!

## Corresponding Sec – Greg Swafford, CPD, GPD, ASSE 12080

Greg Swafford is a Principal at Smith Seckman Reid, Inc. and will be our Corresponding Secretary. Greg was on the board when I first joined so I'm very excited to welcome him back. He is a seasoned veteran in engineering, project management, and manufacturing and brings a lot of great experience and knowledge of ASPE and the plumbing industry to the board. Greg has been our Administrative Secretary, VP Legislative, and VP Technical, as well as our Region 5 Affiliate Liaison. He is also very involved in ASPE Society at the national level and has been a member of the Affiliate Advisory Committee and is currently a member of the By-laws Committee and the Vice Chair of Working Group 99. Thank you, Greg, for your dedication to ASPE!

## Administrative Sec – Yolanda Mashni, CPD

Yolanda Mashni is a Mechanical EIT with Jacobs Engineering focused on plumbing design in industrial and retail spaces. She will be our Administrative Secretary. Yolanda is a CPD and has served on the board in previous years as our AYP Liaison and our Treasurer. We are happy to have her on the board again.

We also have board appointed positions that I will introduce to you next month. If you are interested in joining or supporting the board, please reach out!

# SHOTGUN SAFETY & BASICS TO HANDLING AND SHOOTING

Join us ahead of  
the DFW ASPE  
Clay Shoot on  
August 23rd!

**AUGUST 15TH @ 2:00PM - 4:30PM**

(PIZZA AND DRINKS INCLUDED)

**APLINE SHOOTING RANGE**

**5482 SHELBY RD,**

**FORT WORTH, TX 76140**

**THIS IS A FREE EVENT THOUGH SPOTS  
ARE LIMITED TO 12 PEOPLE. RSVP TO  
RESERVE YOUR SEAT!**

ATTENDEES MUST BRING THEIR OWN SAFETY  
GLASSES AND EAR PROTECTION. SHOT GUNS  
AND AMMO WILL BE AVAILABLE TO USE.

**Special thanks  
to Lochinvar  
and Oslin  
Nation for  
Sponsoring this  
event!**

# 2024 Events

## **Chapter Events**

- ◇ Golf Tournament—April 19
- ◇ Clay Shoot—August 23
- ◇ ASPE Convention Columbus Ohio—October 18-23
- ◇ Casino Night—November 8

## **WOA/AYP Social Events or 2024**

- ◇ Trivia Night—January
- ◇ Painting with a Twist—March
- ◇ Trivia Night encore—April
- ◇ Glass Blowing—May
- ◇ Escape Room—June
- ◇ Axe Throwing—July
- ◇ Introductory Clay Shoot—August
- ◇ Bowling—September
- ◇ VR Sports Arena—October
- ◇ Arcade—December
- ◇ BBQ Pitmaster Masterclass—TBD
- ◇ Wine Making—TBD

# DFW ASPE SPONSORS

## PLATINUM



## GOLD

## SILVER



# What is ASPE?

The **AMERICAN SOCIETY OF PLUMBING ENGINEERS** (ASPE) is the only organization dedicated to promoting the plumbing engineering profession to both enhance career opportunities for our members and ensure the health, safety, and well-being of the public through the design of safe plumbing, drinking water, and sanitation systems.

## WHAT WE DO



**Provide** continuing professional education programs



**Publish** design manuals, tools, and standards



**Host** conferences, tradeshows, and networking events



**Certify** professionals skilled in plumbing system design



**Promote** safe and sustainable water and sanitation systems



**Represent** the industry in local and national government



**Help** develop safe plumbing and building codes and standards



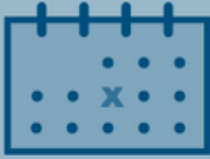
## OUR MEMBERS

Our members are individuals working in various professions related to plumbing system design.

## ← What Is Plumbing Engineering?

Plumbing engineering is a vital part of the design/build construction process. Plumbing engineers use the principles of fluid flow with engineering calculations to design plumbing systems that transport fluids such as water, wastewater, natural gas, and rainwater throughout buildings.

## BY THE NUMBERS



Founded in

**1964**



Number of Members Worldwide

**6,500+**



**13**

Elected Board Positions



**66**

Local Chapters

**20+**

Technical Publications



**2**

Special-Interest Groups for Young Professionals and Women

**3**

Professional Certification Programs



**10**

Staff Members



## INDUSTRY PARTNERS

To achieve our goals, ASPE collaborates with the following organizations:

American Backflow Prevention Association

National Institute of Building Sciences

ARCSA

NSF International

ASHRAE

Plumbing Efficiency Research Coalition

ASSE International

Plumbing Industry Leadership Coalition

Canadian Institute of Plumbing & Heating

Plumbing Manufacturers International

CSA Group

United Association

IAPMO

Water Quality Association

International Code Council

World Plumbing Council

## HOW YOU CAN GET INVOLVED

Contact a Chapter

Join Today!



Our Chapters host monthly meetings, golf outings, tradeshows, seminars, picnics, baseball outings, and more fun networking events to help local professionals connect.

Connect with Us





# CERTIFIED IN PLUMBING DESIGN<sup>SM</sup>

**CERTIFIED IN PLUMBING DESIGN** (CPD), administered by the American Society of Plumbing Engineers (ASPE), is the only international certification program specifically for engineers and designers of plumbing systems. Professionals who have the CPD credential are considered to have the highest level of skills in the design and specification of plumbing systems.

## EARNING & MAINTAINING THE CPD CREDENTIAL

### Am I eligible?

#### Route 1:

**4** year engineering degree + 4 years of work experience designing plumbing systems

#### Route 2:

**8** years of work experience designing plumbing systems

#### Other eligibility options:



**Current CPDT** certification counts toward 1 year of experience

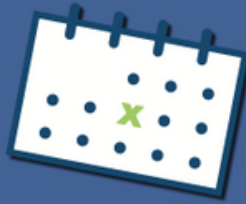


**PE license** counts toward 2 years of experience

# When can I take the exam?



The exam is held **annually** in the spring



**Registration** typically opens in December prior to the exam date



You can register online at [education.aspe.org](http://education.aspe.org)

## Where do I take the exam?

The CPD exam is held at **online testing centers** around the world



## Did I pass or fail?

Scores are **mailed** 6 to 8 weeks after the exam



## Maintaining your CPD credential

- ✓ You must earn 24 hours of continuing education every 2 years
- ✓ You can find recertification details at [aspe.org/education-credentialing/cpd/recertification/](http://aspe.org/education-credentialing/cpd/recertification/)

## For more info:

[aspe.org/education-credentialing/cpd/](http://aspe.org/education-credentialing/cpd/)  
or email [certification@aspe.org](mailto:certification@aspe.org)





## **2024 CPD Exam Dates: April 15–26**

### The CPD Exam

To be eligible to take the CPD Examination, a candidate must possess:

Full ASPE membership or previously received approval to sit for the exam starting November 22, 2021; or

A minimum of four years of experience in a position of responsibility for the design of plumbing systems and possess a baccalaureate degree in a field related to engineering; or

In lieu of an accredited degree, a candidate may substitute up to an additional four years of practical experience in the design of plumbing systems, for a total of eight years, or be granted a credit of one-half year of practical experience for each full year of education in an accredited curriculum related to plumbing engineering.

CPDT Certification counts towards 1 year of experience.

Here's more about the CPD Examination:

[General exam FAQs](#)

[Exam open book policy FAQs](#)

[2023 CPD Bulletin](#)

The exam is [remote proctored](#).

[CPD eligibility form](#)

The 2024 CPD Exam fees are:

ASPE Members \$450

Nonmembers \$675

# WHAT IS A Plumbing Engineer?

**PLUMBING ENGINEERS** are a vital part of design/build construction teams for residential, commercial, and industrial facilities. They interact with other construction trades to provide building owners with efficient, functional, and sustainable plumbing systems that protect the health, welfare, and safety of the public and prevent environmental contamination.

## WHAT DO PLUMBING ENGINEERS DO?

**PLUMBING ENGINEERS** use the principles of fluid flow along with engineering calculations to design plumbing systems that transport fluids and gases throughout buildings. Those systems include:

$$S = \frac{rpm\sqrt{Q}}{NPSH^{0.75}}$$
$$x 2.31 - h_f, L_f + \frac{(P_B - V_p)}{\text{Specific gravity}}$$



Domestic water systems



Wastewater



Fuel gas



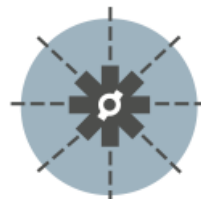
Medical gas & vacuum



Compressed air



High-purity water



Fire suppression



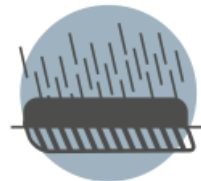
Chemical waste



Rain & stormwater systems



Venting



Site & building drainage



Water efficiency

## WHAT DOES THE PROFESSION ENTAIL?

*"The old adage that 'anyone can do plumbing' does not hold water anymore. A diversified and accomplished plumbing engineer is a valuable commodity in the design/build market."*



**PLUMBING ENGINEERS** are highly skilled individuals involved in many different aspects of the design/build process, including:

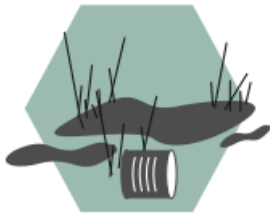
PLUMBING SYSTEM DESIGN	COMMISSIONING
PROJECT MANAGEMENT	CODE & STANDARD EXPERTISE
CONSTRUCTION ADMINISTRATION	FORENSIC & SUBSURFACE SYSTEM EVALUATION
BUILDING INFORMATION MODELING (REVIT)	COST ESTIMATION
PRODUCT & SYSTEM SPECIFICATION	PROBLEM SOLVING

## PROTECTING PEOPLE & THE ENVIRONMENT

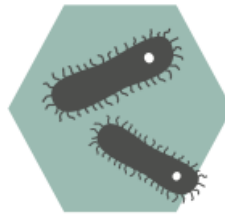
**PLUMBING ENGINEERS** help eliminate many of the threats that sicken people and harm the environment on a global scale by:



**Delivering** safe drinking water & sanitation systems



**Combating** groundwater contamination & depletion

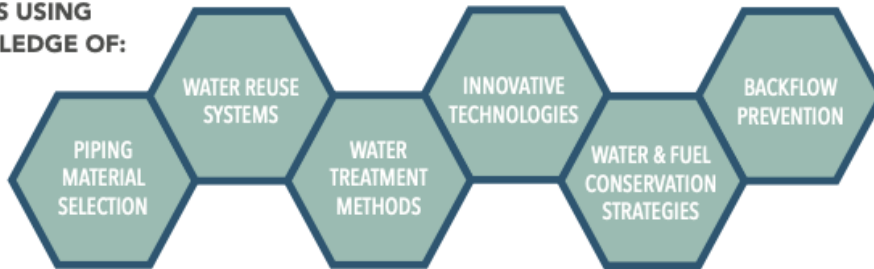


**Preventing** waterborne diseases



*“Through their designs, plumbing engineers affect every life.”*

**THEY DO THIS USING THEIR KNOWLEDGE OF:**



## HOW TO LEARN MORE

The American Society of Plumbing Engineers (ASPE) is the only association dedicated to promoting the plumbing engineering profession and helping plumbing engineers advance in their careers. Our members have a wealth of knowledge and experience and are ready to help others learn more about the industry.



To discover ASPE and find local contacts, visit:

[aspe.org](http://aspe.org)



Connect with Us



# ASPE 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

[connect.aspe.org](http://connect.aspe.org)

