

## APRIL MEETING AGENDA

**DATE:**

**TUESDAY, APRIL 13, 2021**

**WHERE:**

*This will be a Virtual Meeting*

**5:00 PM - 6:00 PM**

**Source Equipment in Med Gas Applications**

**6:00 PM - 7:00 PM**

**Med Gas in Pandemics**

### REGISTRATION REQUIRED

To register for the meeting visit the following link: <https://education.aspe.org/products/eastern-michigan-chapter-meeting-source-equipment-in-med-gas-applications-and-med-gas-in-pandemics-apr-2021>

Please note: Effective November 1, 2020: the price is free for members.

SEE INSIDE COVER FOR TABLE OF CONTENTS

## From Pam Hartsell, CPD, PMP President of ASPE EMC



Happy Spring Eastern Michigan!

It is time once again for our Annual Elections and I am excited to share that all of your Chapter Officers have agreed to run for re-election in their current positions. This is significant because our Board is made up of some of the hardest working people in the organization - including 3 past chapter presidents who still continue to do this good work year after year. I am so thankful for the incredible dedication and

support of our volunteers and honored by the opportunity to serve as president for another season.

All chapter members will be receiving a survey via email where you can cast your vote. You may choose to write in candidates for specific positions or simply vote to accept the proposed slate of officers. Either way, please vote! We would love to know if others are interested in serving along with us!

Our March meeting was another great success, with presentations on water filtration and water heaters. A big Thank You goes out to Brant Ziegler of Franklin Electric and Isaac Wilson of A.O. Smith for sharing their knowledge on these important topics. For anyone who missed it, you can find a link to the recording in the VP Tech report here in the newsletter.

There is a Membership Drive currently underway to help non-members learn more about the benefits of ASPE by signing up for a free trial of ASPE Connect. Please look for the flyer, here in the newsletter, to find out how one of our chapter members (maybe you!) could win a free registration to the Technical Symposium simply by referring a non-member to try ASPE Connect!

Speaking of the Symposium, registration for the 2021 Technical Symposium in San Diego opens in April. We are all hoping that with vaccinations now available we will be in a good position to attend this event in person. Keep an eye out for details in the coming weeks!

Another reminder that you can find all the latest info about the plumbing industry in ASPE Pipeline: <https://www.aspe.org/pipeline/>

If you're a fan of LinkedIn, you can follow our page to keep up to date on what your Chapter is up to: <https://www.linkedin.com/in/aspe-eastern-michigan-chapter-6333251b7/>

As always, the ASPE EMC Chapter is here to support you! Please reach out if you need us!

Your Chapter President, Pam Hartsell - [president.aspe.emc@gmail.com](mailto:president.aspe.emc@gmail.com)

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**ASPE EASTERN MICHIGAN WOA & ASHRAE DETROIT, JOINT DONATION EVENT!**

Donations will be collected from April 1 to May 31  
See flyer on pg. 10

**APRIL BOARD MEETING**

Virtual Online Meeting 4/6/2021 @ 4:30 PM

**APRIL PROGRAM**

Virtual Meeting 4/13/2021, 5:00 - 7:00 PM

**CPD AND CPDT EXAM AND REGISTRATION**

See pg. 15 for registration and scheduling dates.

**ASPE IS ACCEPTING APPLICATIONS FOR THE ALFRED STEELE SCHOLARSHIP**

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**2021  
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For more info go to:  
<https://www.aspe.org/2021-tech-symposium/>

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

**WILLIAM MCLAUGHLIN**

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## **APRIL DESIGN SESSION**

**5:00-6:00 PM**

### **TOPIC: Source Equipment in Med Gas Applications**

Understanding the technology of medical vacuum and air systems can be daunting. In this introductory class, we'll explore the world of medical gas and gain a basic understanding of how these systems work and what we can expect to encounter when working on projects in the medical field.



*Josh Pedraja*

Presenter: **Josh Pedraja** is the MedGas/Lab Consultant for Patton's Medical. He has 14 years of experience in the medical and industrial market for vacuum and air. He currently covers the Central US for MedGas sales with Patton's Medical and is based out of NW Ohio.

## **APRIL TECHNICAL PROGRAM**

**6:00-7:00 PM**

### **TOPIC: Med Gas in Pandemics**

NFPA 99 Medical Gas Requirements in Pandemics, Surge Planning, & Medical Gas Source Equipment Expansions



*Tim Richards*

Presenter: **Tim Richards** has been working in the medical gas industry for almost 20 years in a variety of capacities. Previously a Territory Manager of Midwest and Western Regions, he is now acting as the Technical Director for Compliant Healthcare Technologies. Tim holds a BS in Biology from Concordia University Wisconsin, maintains ASSE Medical Gas certifications as an Installer, Inspector, Verifier, Maintenance Personnel, and Instructor, and is also a Certified Lokring® Medical Gas Installer and Instructor.

## **About Registration and CEUs:**

If you are attending virtually: there is a link to register via the ASPE Education page. Please follow all directions. Using this platform for virtual meetings allows us to streamline the CEU process. So all attendees that plan to join virtually, need to register via the corresponding ASPE Education link. Our meetings will also be listed on the ASPE Education calendar, so you can find registration info there as well. <https://education.aspe.org/>

**There is also a passcode that needs to be entered for the virtual meetings now. This passcode is in the email invite as well as listed in the webinar instructions.**

If you will attend in person (when we can offer this option): 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 in person. Thus, allowing us to make sure we maintain the indoor gathering limits imposed by the Governor, and also order enough food for all. For those that attend in person, we will still 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 PITS does have guest protocols we will have to obey in order to meet there, so please follow all posted signage and procedures.



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# IN THE KNOW

## EMC 45TH ANNIVERSARY HISTORY BOOK NOW AVAILABLE FOR ORDER!

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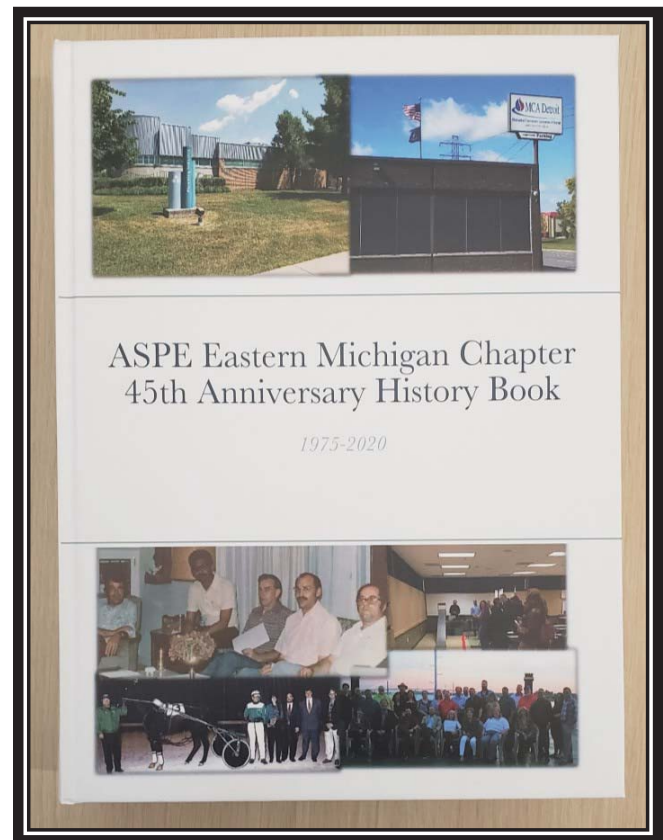
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ASPE EASTERN MICHIGAN CHAPTER  
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# VP Technical Report

Theresa Card, P.E., CPD, LEED AP BD+C



Hello from your VP Tech!

Where did the year go? We are at our last 2 programs for this ASPE year. April will be virtual only and we are going for a hybrid May program. Please look for the email invitations for both.

Please always check your email and our website for the most up to date information on our Programs: <https://www.aspe.org/eastern-michigan/program.html>

If you have missed any of our meetings this program year or just want watch one again– you can find recordings of them below:

## **September 2020 Presentations Recordings: Plumbing Sizing 101 – Pipe Sizing & Hunter’s Curve and The Future of Plumbing Sizing**

- Part 1 (because my cpu died in the middle of Dan Cole’s Hunter’s Curve presentation): <https://youtu.be/lthRojeGR9Y>
- Part 2 (Pam was able to start recording soon after my cpu died): <https://youtu.be/YXkz692z2kU>

## **October 2020 Presentations Recording: Valves 101 and IPC Code Changes 2015/2018/2021**

- Full session: [https://youtu.be/mX3Q\\_puSoMc](https://youtu.be/mX3Q_puSoMc)

## **November 2020 Presentation Recording: Cross Connection for the Plumbing Engineer**

- Full session: <https://youtu.be/GYM9cUIxrWg>

## **December 2020 Presentation Recording: Fire Protection 101 and 102**

- Full session: <https://youtu.be/12HsTuCapY8>

## **January 2021 Presentation Recording: Climate Change: What is it? How will it Impact the Built Environment?**

- Full session: [https://youtu.be/g5XHD0\\_YeOg](https://youtu.be/g5XHD0_YeOg)

## **February 2021 Presentation Recording: Plumbing Systems 101**

- Full Session: <https://youtu.be/5tBEICIC8m8>

## **March 2021 Presentation Recording: Water Filtration and Water Heaters Compared**

- Full Session : <https://youtu.be/FEsgUCRB7X4>

If you would like PDF copies of the slide decks, please let me know.

## **April’s Meeting: Source Equipment in Med Gas Applications and Med Gas in Pandemics**

April’s Meeting will be a VIRTUAL ONLY meeting, again.

Link for virtual registration for April:

<https://education.aspe.org/products/eastern-michigan-chapter-meeting-source-equipment-in-med-gas-applications-and-med-gas-in-pandemics-apr-2021>

Also please ASPE has made a change with virtual meetings hosted by National - if you are NOT a member – **ASPE is charging \$25**. To have this fee waived, please use the following code when registering: *speakerfree*.

We are trying to market this program to student members and those very new to the industry – so if you know someone who could benefit, whether they are a member or not, please encourage them to attend!

All attendees that plan to join virtually, need to register via the corresponding ASPE Education link. Our meetings will also be listed on the ASPE Education calendar, so you can find registration info there as well. <https://education.aspe.org/>; **There is also a passcode that needs to be entered for the virtual meetings now. This passcode is in the email invite as well as listed in the webinar instructions.**

## **Notes from March’s Meeting**

I think we could spend multiple meetings just talking about water filtration and contaminants. Brant Ziegler, from Franklin Electric, spent an hour taking us through the basics of some water filtration technology and terminology. He also brought up some good points that are often missed by younger engineers:

- In Michigan, we should be aware that many places have high levels are arsenic in the water. You can find information about the levels are arsenic in different Michigan Counties here: [EGLE - Water Quality Maps for Michigan by County](#)
  - o 10 micrograms per liter is the USEPA arsenic drinking water standard
- Beyond hardness and arsenic, we are also on the lookout now for PFCs and PFAs (poly-fluorinated chemicals and per-and polyfluoroalkyl substances).
  - o PFOA and PFOS are both perfluorinated chemicals and per/polyfluoroalkyl substances
    - EPA = PFAs
    - CDC= PFCs
  - o These are man made chemical that contain many fluorines attached to carbons
  - o [EGLE - PFAS Drinking Water Rules \(michigan.gov\)](#)

Please check out Brant’s recorded presentation for information on these and the technologies used to help filter primary and secondary contaminants from our drinking water.

Continued on page 7

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## VP Technical's Report (cont. from page 6)

Theresa Card, P.E., CPD, LEED AP BD+C

Our 2nd presentation in March was about water heaters; specifically tankless heaters. Isaac Wilson from AO Smith, walked us through the pros and cons of tankless heaters, as well as how they operate and some maintenance items. There were a lot of good Q&A at the end of Isaac's presentation, so I recommend you watch the recording.

A big **THANK YOU to Mike Ostrowski and Major Lozuaway and Associates** for helping us find speakers for this session! Major Lozuaway – Manufactures Representatives Specializing in the Plumbing Industry Since 1980

As always, if you have any ideas for future programming, please let me know! We will be having a hybrid planning meeting again this June (date TBD). This is where all are welcome to join and help us pick topics for the next ASPE year (September- May).

**I hope you can get out and enjoy some of the sun (that is starting to give off heat again).**

Sincerely, Theresa Card  
[Vpt.aspe.emc@gmail.com](mailto:Vpt.aspe.emc@gmail.com)

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## VP Legislative Report

William Grayzar, CPD



*2021 International Code Committee (ICC) Action Hearings* are fast approaching. For the first time the ICC Committee action hearings will be held virtually. All testimony and participation will occur virtually via an online Zoom platform. With the goal of replicating the typical in-person hearings to the greatest extent possible.

The first round of code hearings (Group A) will be split in two separate tracks. Track 1 will be held from April 11 – 21, 2021 and Track 2 will be held from April 25, 2021 – May 5, 2021. Track 1 will include the: International Property Maintenance Code (IPMC), International Zoning Code (IZC) and Sections G, FS and E of the International Building Code (IBC-G, IBC-FS and IBC-E). Track 2 will include the: International Fuel gas Code (IFGC), International Plumbing Code (IPC), International Private Sewage Disposal Code (IPSDC), plumbing and mechanical sections of the International Residential Code (IRC-P and IRC-M), International Mechanical Code (IMC), International Swimming Pool & Spa Code (ISPSC), International Fire Code (IFC) and the International Wildland Urban Interface Code (IWUIC).

You can learn more about the ICC Code hearings and download a copy of the hearing schedule at the following link: <https://www.iccsafe.org/products-and-services/i-codes/code-development/current-code-development-cycle/>.

The Code Study Development Group of Southeastern Michigan (CSDGSM) is currently scheduling virtual meetings to specifically review the 147 proposed changes to the 2021 IPC and other codes affected directly from the proposed plumbing changes, prior to the Track 2 hearings. I along with other members of the Eastern Michigan Chapter of ASPE (EMC-ASPE) and the CSDGSM will be attending many of the virtual code hearings.

I will follow up the outcome of the hearings attended and related to the IPC in future newsletter articles.

On a different topic, Michigan recently recognized Fix-a-Leak Week from March 15-21. Fix-a-Leak Week was created by the U.S. Environmental Protection Agency and is supported by WaterSense partners across the U.S. and Canada. Fix-a-Leak Week aims to address premise plumbing and water system leaks. You can learn more about Fix-a-Leak Week at:

[https://www.michigan.gov/cleanwater/0,9779,7-411-105853\\_105854---,00.html](https://www.michigan.gov/cleanwater/0,9779,7-411-105853_105854---,00.html)

Finally, I hope this newsletter finds you healthy and well in this uncertain time, and may you have a Happy Easter.

Regards,

*Bill*

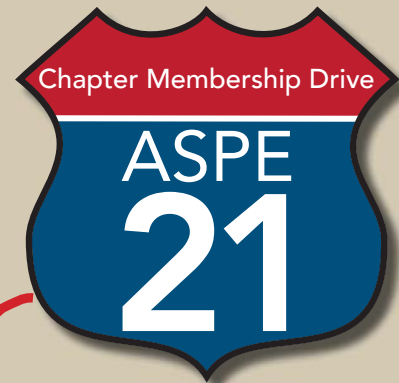
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# THE ROAD TO SAN DIEGO CHAPTER MEMBERSHIP DRIVE MARCH 1 - JULY 31, 2021

## ASPE CHAPTERS:

Do you want to increase your membership AND help one of your members go to the [2021 ASPE Tech Symposium](#) in San Diego? You can—by participating in the Road to San Diego Chapter Membership Drive!

It's easy to participate and earn points because it's all conducted online via ASPE Connect. **Starting March 1st**, all you need to do is encourage nonmembers to sign up for the [free 30-day ASPE Connect trial](#) and encourage Chapter members to participate in discussions in the [ASPE Open Forum](#).



## YOUR CHAPTER WILL EARN POINTS FOR:

1. A nonmember signing up for the [Connect free trial](#): 3 points
2. A nonmember who signed up for the [Connect free trial](#) signing up for ASPE membership: 10 points
3. Number of Chapter members participating on the [Open Forum](#) (as a percentage of Chapter membership): 1 point

Points will be totaled at the end of every month from March through July. In early August, the Chapter with the most points will be awarded a full [2021 Tech Symposium](#) registration and a hotel room for the length of the event (September 22–26) to award or raffle off to a lucky Chapter member.\*

## HOW TO CROSS THE FINISH LINE IN FIRST PLACE

- Direct nonmembers to the ad at the top of [ASPE Connect](#) to sign up for the free trial. Tell them to include your Chapter's name or a Chapter member's name in the "Referred by" line on the signup form.
- Make sure Chapter members know that the [Open Forum](#) is the perfect place to ask design questions.
- Encourage Chapter members to chime in on the lively discussions happening in the [Open Forum](#).
- Use your monthly meetings as the perfect place to remind participants of this membership drive.
- Put the Road to San Diego membership drive marketing materials in your newsletter and on your website.

**GOOD LUCK!**

Questions? Contact Gretchen Pienta at [gpienta@aspe.org](mailto:gpienta@aspe.org). *\*Travel and meal costs are not included.*



# VP Membership Report

**Kristin Simoneaux, P.E., CPD, LEED**



Hi Everyone! Hope you all are enjoying the weather as it is getting nicer outside. Ever want to be a part of more than one ASPE chapter? We can make that happen!! If you are already a member (or once you become a member and choose your home chapter (standard dues rate of \$190)), you can join additional chapters (as many as you wish) for only \$80 per chapter. Region 2 chapters are indicated below but we have many beyond what is listed here: <https://www.aspe.org/membership-global-community/chapters/>. Members can serve on the Board of directors for any of the chapters they join. If you are interested in pursuing this option, please contact me and I can walk you through the process.

Did you know you can get a **discount when you renew your membership**? Renewing for multiple years at a time can save you \$\$\$. If you renew for two years you will receive a 5% discount. If you renew for 3 years you will receive a 10% discount.

First year members: renew early and save! If you renew by the eighth month of your membership, you may receive reduced dues for your second year. Those eligible are members who joined after July 1, 2018. Funds are only available for the first 125 members per quarter.

If you or someone you know is interested in becoming a member and taking advantage of the great things ASPE has to offer, please feel free to contact me. Until we meet again, stay healthy!

Kristin

**Kristin Simoneaux, P.E., CPD, LEED AP**  
Associate / Senior Mechanical Engineer  
Direct: (248)336-4760  
[ksimoneaux@stantec.com](mailto:ksimoneaux@stantec.com)

## REGION 2 CHAPTERS:

 Buffalo-Niagara	 Central Indiana	 Central Ohio
 Cleveland	 Eastern Michigan	 Evansville
 Greater Toronto	 Johnstown	 Pittsburgh
 Rochester, NY	 Southwestern Ohio	 Western Michigan



ASPE Eastern Michigan  
Chapter WOA & ASHRAE Detroit

# JOINT DONATION EVENT!

Spring is in the air! With that – spring cleaning! While you or your friends/spouse/children are cleaning out your drawers – instead of throwing away that make-up you never used or that product you used once and didn't like – donate it!

We will be collecting items to ship to a local women's shelter or, if none can be found, Project Beauty Share in Washington.

Items can be dropped off during the May ASPE and ASHRAE meetings (assuming hybrid meetings are allowed). Or you can drop them off with:

**C/O Theresa Card**  
ASPE EMC WOA Liaison  
Strategic Energy Solutions  
4000 W. 11 Mile Road, Berkley, MI

**C/O Linda Lleshaj**  
ASHRAE Detroit Diversity Chair  
Johnson Controls  
2785 High Meadow Circle, Auburn Hills, MI

Contact Theresa with questions at:  
[tcard@sesnet.com](mailto:tcard@sesnet.com)

**Donations will be collected from  
April 1 to May 31 (Memorial Day)**

## WHAT WE WILL BE COLLECTING

New	New or Lightly Used	Lightly Used
Make-up brushes	Moisturizers	Pressed eyeshadow
Lip products/lip liners	Cleansers	Pressed blush
Mascara	Eye creams	Pressed bronzer/highlighters
Eyeliners	Exfoliators	Face primer
Foundations	Primers	Squeeze tube foundations
Concealers	Sunscreen	Airless pump foundations
Deodorant	Face masks	
Razors	Body lotions	
Bar soap	Shower gel	
Toothbrushes	Body spray	
Toothpaste	Perfumes	
Floss/mouthwash	Shampoo, conditioner	
Feminine hygiene	Hair color	
Sample packets	Hair styling products	
Hotel travel-size items		
Makeup bags		
Nail products		
Misc. face tools		

\*\*Lightly used products must be at least ¾ full. Anything that comes in a tub or jar must be new.

## ITEMS NOT ACCEPTED

Any item with a wand that has been used or swatched, such as mascara, lip gloss, liquid lip color, liquid eyeliner, foundations and concealers

Loose powders in containers that are without seal, such as mineral powder foundations, blush, eyeshadow, and highlighters

Cream eyeliners, eyeshadow, blushes, bronzers, and highlighters in pots or pans that have been used or swatched

Liquid foundations in bottles with screw-on lids and cream foundations that have been used or swatched

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## PROBLEM:

RPZ inside a building  
= flood damage  
= design engineer liability

## SOLUTION:

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# MARCH MEETING STATS

## THANK YOU TO OUR ATTENDEES!

George Bellman  
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Chip Bidigare  
Theresa Card  
Richard Cramer  
Alan Deal  
Robert Dunn  
Will Fassler  
Robert Frey  
Rachel Gendich  
William Grayzar  
Brienne Hall  
Pamela Hartsell  
Dann Holmes

Thomas Huck  
Rick Johnston  
Mark Lamberson  
Gayatri Lekshminarayanan  
William Mathisen  
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Gerry Potapa

Manar Saied  
Emily Schwarzkopf  
Kristin Simoneaux  
Michael Taggart  
Kyle Tevault  
Gabriela Uribe  
Quinn Williamson  
Isaac Wilson  
Cynthia Zatto  
Brant Ziegler  
Elena  
Josh



### **CPDT - 2020 EXAM DATES:**

The exam is held annually in the Fall.

For more information go to:

<https://www.aspe.org/education-credentialing/cpdt/>

**CPD - 2020 EXAM DATES:** The 2021 CPD Exam will be held via remote proctor from April 5 - 16, 2021. Registration ends April 8th, 2021. For more information go to:

<https://www.aspe.org/education-credentialing/cpd/exam/>





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# 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

[aspe.org/aspe-mentoring-program](http://aspe.org/aspe-mentoring-program)





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