
ASPE RICHMOND CHAPTER NEWSLETTER



LOCAL INDUSTRY NEWS

SHORT PUMP TO HOST CONSTRUCTION OF 13 CONDO BUILDINGS

<http://richmondbizsense.com/2015/09/10/short-pump-project-adds-condos-to-the-mix/>

PROJECT HIGHLIGHTS

Have a project you would like featured in the newsletter? Submit your project info or photos to j.lansing@ha-inc.com and receive a free lunch at the next meeting!

ASPE RICHMOND CHAPTER NEWSLETTER

ASPE RICHMOND PRESIDENT'S LETTER

Dear Fellow ASPE Members,

I hope you had the opportunity to spend some quality time with your families this summer and enjoyed a vacation far from work or anything plumbing related!

The 2015–2016 Richmond ASPE season will be brought to you by the recently elected board of directors as follows: President (myself) – Istvan Godri Martis, CPD, GPD; Vice President Technical – Josh Hass Landis, CPD; Vice President Legislative – John Lansing, CPDT; Vice President Membership – Robert V. Grubbs, PE, CPD, LEED BD+C; Treasurer – Eric C. Scott, CPD; Administrative Secretary – Jay Otto; Corresponding Secretary – Robbie Shearon, LEED AP; Chapter Affiliate Liaison – William Leemann, Jr; Education Committee Chairperson – Tina M. Capece, CPD. We look forward to bringing you relevant and engaging technical presentations throughout the year and serving you the best way possible. With that said, please feel free to contact us and offer your comments, opinions, suggestions, and ideas so that we can do our jobs in ways that will benefit you.

This year our meetings will be held every second Wednesday of the month (there may be a few exceptions for ASHRAE and SFPE joint meetings) at the Holiday Inn Express, 9933 Mayland Drive, Richmond, VA, 23233 – the same location as last year's meetings.

To all the manufacturers, equipment vendors and industry representatives, if you are interested in advertising in our newsletter or doing product presentations at tabletops during our monthly meeting please let me know by sending me an email at istvanm@ccrd.com. Thank you for your continued support! We are fortunate enough to have a very active and involved sponsor base which allows us to be a financially strong chapter. THANK YOU!

We are always looking for speakers for the technical presentations. If you or someone you know would like to present at our monthly meetings, please contact Josh Landis at jlandis@moseleyarchitects.com

See you all on October 14th, 2015 at our next meeting.

Sincerely



Istvan Godri Martis

ASPE RICHMOND CHAPTER NEWSLETTER

ASPE RICHMOND'S VICE PRESIDENT TECHNICAL LETTER

A PIPELINE TO TOMORROW

September, 9th 2015

Welcoming the beginning of a new year for our ASPE Richmond Chapter can be a fun and albeit hectic time for most of us. We tend to have a great deal of members from year to year that are willing to devote a decent amount of time and effort to accommodate the various aspects of maintaining and operating our chapter. That being said, there's an ever present issue that's been looming in the back of many of our minds.

"How do we draw the new and younger generation to become a part of the ASPE community when there seems to be more people leaving the industry than entering?"

I've heard multiple variations of this question mentioned by numerous persons throughout the years. In addition, joining ASPE without already knowing someone internally can be an intimidating process for some, and can also be difficult to justify taking that time away from various current projects that one might be working on.

This year, we feel it's time to start providing alternative avenues and pipelines to allow the new and younger generation an opportunity to experience the ASPE community in ways that they may feel are more comfortable. We'd like input from our members for ideas or feedback regarding ways we may be able to improve our reach and availability to the new and younger generation. In an effort to start this process we're trying to gear some of our meeting topics and presentations to lean more towards the training variety. For some, these presentations may be a refresher; but for others, it can help them justify the time knowing they may learn something that can, in some cases, be immediately applied to their daily design process. In addition, we will also be planning to have joint meetings with the Richmond ASHRAE Chapter and Richmond SFPE Chapter to help promote training for crossover items among the Plumbing, Fire Protection, and HVAC disciplines.

Here are some current ideas we've come up with that we feel may provide alternative avenues of interest for potential new members.

- **GROUP OUTINGS**

- **Minor League Baseball Outings**
 - Providing a more casual atmosphere for potential new members to get to know current members and/or family outing environment.
- **Golf, Bowling, etc... Outings**
 - Providing a more casual but also more direct one-on-one setting.
- **Plant Tours**
 - There are a few local or semi-local plants that are more than willing to show designers and engineers around and explain their processes.
- **Brewery/Winery Tours**
 - Specifically geared towards the portions that apply to plumbing engineering and design.

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- **SOCIAL GATHERINGS**

- **After Hours Social**

- Providing a more casual atmosphere for potential new members to get to know current members and also ask questions in a more casual environment.

- **Morning or Mid-day Coffee Chat**

- Providing a more casual atmosphere to ask questions but also taking into account that not everyone's schedule allows them to attend afternoon or mid-day events/activities.

- **INFORMATION RESOURCES**

- **System Specific Design Contacts**

- Providing a list of subject matter experts and their contact information for various system types and designs. Initial thought was for this to be located on our webpage to help make our site a single point or first stop for design information and local resources.

- **Newsletter/Article Archive or Links**

- Another informational resource that would allow users to search specific topics and be provided with links to past newsletters or magazine articles related to the topic they're searching.

Please feel free to provide comments, feedback, or recommendations. We look forward to hearing from you all and hope to grow our chapter by actively reaching out, supporting, and mentoring those who will ultimately take our industry to new heights.

Joshua H. Landis, CPD

VP Technical, ASPE Richmond Chapter

LOCAL CAREER OPPORTUNITIES

H&A is currently seeking a dynamic **Senior Plumbing Designer and a Plumbing Designer** in our **Glen Allen, VA** or **Hampton Roads, VA** offices that shares our corporate vision, mission and values. We are looking for the best in the industry to join our dedicated team at Hankins & Anderson as we work together toward fulfilling our mission of Building a More Secure World. We work on some of the most secure and state-of-the-art facilities all around the world. If you'd like to be a part of that, we'd like to consider you for a position. Hankins & Anderson (H&A) is a multi-discipline, full-service architecture and engineering firm with offices in Richmond, Woodbridge, and Virginia Beach, VA. Our core focus is the design of secure, mission-critical, specialty facilities. With over 300 international projects completed in 154 countries, H&A offers the opportunity to join a team of innovative thinkers, including many of the industry's most talented individuals.

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At H&A, we're committed to creating a friendly, yet challenging environment, offering competitive benefits and talent development through training and growth opportunities.

To learn more about H&A and to apply for current opportunities, please visit <http://www.ha-inc.com>.

Employer maintains a drug-free workplace!
EOE, M/F, D/V

Senior Plumbing Designer

The Senior Designer will serve as the lead technical representative for his or her projects and will be responsible for the design of plumbing systems such as sanitary, storm and water systems. The position will also include design of compressed air systems, water treatment systems, medical and/or lab gas systems; perform field investigations and write technical reports. The ideal candidate will have demonstrated technical skill in designing complex plumbing systems, calculating flow requirements, and selecting equipment with limited guidance.

Minimum Qualifications:

- 7+ years of experience in designing plumbing for government, commercial, institutional, industrial, or healthcare industries.
- Strong knowledge of International Plumbing Code (current and past versions) as well as understanding of additional design codes and specification requirements.
- High School graduate or equivalent.
- Excellent drafting with AutoCAD MEP (using 3-D) and/or Revit MEP.
- U.S. Citizenship
- Ability to obtain a government security clearance.

Preferred:

- Demonstrated proficiency with Revit MEP.
- CIPE or CPD Registration
- LEED AP Certification
- Projects highlighting water conservation and high-efficiency production of DHW
- Associate's degree in Mechanical Engineering, MET, or related field.

Other Required Knowledge, Skills and Abilities:

- Proactive self-starter, diligent and hard working.
- Strong written and verbal communications skills.
- Excellent organization and time management skills.
- Ability to work under pressure and strict timelines, and to thrive in a fast-paced environment.

ASPE RICHMOND CHAPTER NEWSLETTER

- Able to effectively prioritize multiple tasks.
- Effective working individually and within team environments.

Plumbing Designer

The Designer will serve as an integral part of the plumbing production efforts with design responsibilities such as sanitary, storm and water systems design as well as rainwater harvesting and gray water systems design. Additional design opportunities on compressed air systems, water treatment systems and lab gas systems may also be included. The ideal candidate will be a high producing member of the team, comfortable designing through all phases of construction projects from early concept design, able to calculate system flow requirements and review of construction-phase submittals.

Requirements:

- 2+ years of experience in designing plumbing systems for government, institutional, commercial, healthcare or industrial projects.
- Specific knowledge of plumbing systems including sizing systems in accordance with code.
- Familiarity with International Plumbing Code as well as a basic understanding of additional design codes.
- Excellent drafting with AutoCAD MEP (using 3-D) and/or Revit MEP.
- High school graduate or equivalent
- U.S. Citizenship
- The ability to obtain a government security clearance

Preferred:

- Demonstrated proficiency with Revit MEP.
- CPE or CPD Registration
- LEED AP Certification
- Projects experience with water conservation and high-efficiency production of DHW
- Associate's degree in Mechanical Engineering, MET, or related field.

Other Required Knowledge, Skills and Abilities:

- Proactive self-starter, diligent and hard working.
- Strong written and verbal communications skills.
- Excellent organization and time management skills.
- Ability to work under pressure and strict timelines, and to thrive in a fast-paced environment.
- Able to effectively prioritize multiple tasks.
- Effective working individually and within team environments.

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GRUNDFOS 

NewAge Epoxy Soil Pipe

Durable. Dependable. Affordable.



High quality coatings for years of service!

This product information sheet will thoroughly explain the coating process, use and applications for NewAge epoxy coated cast iron soil pipe. The cured epoxy is stable, tough, and resistant to corrosive chemicals. Epoxies are excellent surface coatings, inert to chemicals and high temperatures, adhere well to cast iron resulting in a very long life for our NewAge Epoxy system.

There is a difference between paint and epoxy coatings. Paint is a liquid that dries to form a thin colored layer when it is spread on a surface. Epoxies are a class of thermosetting polymers. Two part epoxies are combined with a curing agent that when mixed reacts to form a complex group of linking monomers.

While epoxy coated cast iron is relatively new to the United States, it has been used extensively throughout the world for many years. Epoxy coated pipe endures effluent chemical combinations found in waste systems today. NewAge epoxy pipe complies with ASTM standards

and EN-877.

Along with standard storm drainage and DWV applications epoxy coated cast iron is intended to be used in excessive corrosive conditions between 2-12pH. The epoxy coating builds upon the excellent service and long life that cast

iron already provides. Epoxy coatings outperform oxidized asphalt pipe coatings and emulsified asphalt fitting coatings.



There has been misinformation stated in our industry that epoxy coatings are volatile and hazardous in the United States, when in fact many epoxy coatings are manufactured in the United States and their emissions, VOC (Volatile Organic Compounds) and HAP

(Hazardous Air Pollutants) are regulated and are well within safe limits set forth by the EPA. This information is included on manufacturers' MSDS files which ASTM and CISPI standards mandate be made available. Epoxy coatings are low in VOC.

Register NOW!

2015 ASPE TECHNICAL SYMPOSIUM

October 1-4, 2015

St. Louis, Missouri | Hyatt Regency at the Arch

Registration is open!
Go to: aspe.org



Official Planning Guide

October 1-4

*NEW THIS YEAR:

Several popular sessions are being repeated at different times to allow you the chance to attend all of the sessions of your choice.

Earn Up to 13.5 Hours of Continuing Education Credit

Each education session at the 2015 ASPE Technical Symposium offers 0.125 or 0.3 CEUs that can be used for license and certification continuing education requirements. ASPE is recognized as an approved provider and sponsor of CEUs and PDHs throughout all 50 states for registrations and licensing requirements. Specifically, ASPE is approved as a Continuing Education Sponsor in the states of New York, New Jersey, Indiana, Louisiana, North Carolina, and Florida. It is ultimately your responsibility to make sure that you are in compliance with your state's rules and guidelines.

TECHNICAL EDUCATION PROGRAM

The 2015 ASPE Technical Symposium offers customized education for plumbing engineers and designers at all career levels. You can earn up to 1.35 CEUs while learning from the industry's top design experts in a variety of learning formats.

2015 ASPE Technical Symposium Education Sessions

	Entry Level	Intermediate	Advanced	Specialty	Industry Discussions & Panels
Friday, October 2					
9:00 a.m. - 12:00 p.m.	Fire Pump Applications and NFPA 20	LEED v4 In Depth	Put Your Pipes in Place with Project Setup	How to Excel at Excel - The Sequel	Proper Use of Cross Connection Control in the World of Backflow Prevention
2:30 - 5:30 p.m.	Introduction to Water Reuse Systems	Commercial Fire Suppression System Design	Plumbing Design in the Revit World: 2016 Edition	Commercial Kitchen Design	Engineering Ethics Panel
Saturday, October 3					
9:00 - 10:15 a.m.	Pipe Hangers & Supports	Top Design Issues for Domestic Water Systems*	Truth and Honor, the Relationship Between the Manufacturer Rep and the Engineer	Project Management*	ASHRAE 90.1
10:30 - 11:45 a.m.	Hydraulic Calculations for Residential Fire Sprinklers	Fire Pump Testing	Medical Gas: Major Changes in NFPA 99*	LEED v4 Power Hour	Lessons Learned in Sustainability Panel
2:00 - 3:15 p.m.	Domestic Hot Water Sizing*	Sewage Ejectors and Sump Pumps	Design of Laboratory RO&DI Water Systems	ANSI Tepid Water Standards	Navigating the Product Certification Maze
3:30 - 4:45 p.m.	Sustainability from A to Z	Top Design Issues for Domestic Water Systems*	Impact of U.S. Legionella Guidelines on Plumbing System Design	Project Management*	Women in Plumbing Engineering
Sunday, October 4					
9:00 - 10:15 a.m.	Introduction to Booster Pumps	Rainwater Harvesting Design & Sizing Recommendations	Legal Greywater Reuse	Differences in Plastic Piping Materials	Intro to Rainwater Harvesting Systems
10:30 - 11:45 a.m.	Domestic Hot Water Sizing*	Double Containment Piping Systems	Medical Gas: Major Changes in NFPA 99*	Clean Agents in Special Rooms	Installation of Copper and Copper Alloy Piping Systems

All times and sessions are subject to change. Consult the official program guide on-site for the final schedule.

2015 **ASPE**
TECHNICAL
SYMPOSIUM

Official Planning Guide

October 1-4



ROUNDTABLE LUNCHEON

October 2, 2015
12:15 – 2:15 p.m.

This unique forum offers a special opportunity to discuss current issues, share design solutions, ask questions, and receive answers to your challenges. Moderators will host each table and get the discussion rolling, but you can voice your opinions, raise topics, debate ideas, or just sit back and listen. It's an ideal venue to network with and learn from plumbing industry professionals from all over the country.



**GREEN
PLUMBING
DESIGN**

GREEN PLUMBING DESIGN WORKSHOP

Sept. 30 – October 1, 2015 | 8 a.m. – 5 p.m.

This two-day workshop being held just prior to the 2015 ASPE Technical Symposium and led by instructor Douglas Nelson, PE, GPD, will teach participants how to design systems that conserve and protect water supplies and reduce energy consumption in the delivery and use of water. Those who pass the exam at the end of the workshop will be granted use of the GPD designation, which denotes professionals with a high level of experience and training in sustainable practices. Registration is limited to 18 participants, and you must have a CPD or PE to register. **Pre-registration by September 4, 2015 is required.**

2015 ASPE TECHNICAL SYMPOSIUM PRODUCT SHOW

October 1, 2015 | 5 – 8 p.m.

Join your peers, grab a drink, and get a bite to eat at this engaging event! The 2015 ASPE Technical Symposium Product Show is a unique opportunity to get one-on-one face time with the manufacturers that make the products you specify. The list of exhibitors will grow as more sponsors sign up for the show, so visit aspe.org/2015-product-show often to see who will be participating.

If you want to bring a friend or colleague to the Product Show, tickets are just \$20.

Exhibitors*

AB&I Foundry/EST	Kynar by Arkema
Amico Corp.	New Age Casting
ASSE	NIBCO
Bradley Corp.	Patterson Pump Co.
Charlotte Pipe & Foundry Co.	SharkBite/Cash Acme, Reliance
Copper Development Assoc.	Worldwide Corp.
CSA-International	T&S Brass & Bronze Works, Inc.
Equipment Controls Corp.	TMB/PE Magazine
Evoqua Water Technologies	Tyler/Wade
GF Piping Systems	Uponor
IAPMO	Victaulic
Imaginit Technologies	Viega
IPEX	Watts Water
Josam	Zurn
Kohler/RADA	

*List as of 7-22-15



ASPE wants you back.

Special Membership Deal for Past ASPE Members

Are you a past member of ASPE?
Well we want you back!

ASPE is offering a cost-savings membership program to help past members reinstate their ASPE membership for \$100.*

To take advantage of our "We want you back!" offer, call 847.296.0002 x227 or e-mail skidd@aspe.org for more details.

Hurry, this promotion ends soon!



See What You've Missed

ASPE has been actively developing programs and services that will help you elevate your career status and give you the knowledge, tools, and resources to become a leader in the industry, including:

- ◆ An online plumbing system design certificate program with UCLA Extension
- ◆ An associate degree curriculum and certification program for plumbing design technicians
- ◆ American National Standards on rainwater harvesting and siphonic roof drainage
- ◆ ASPE/IAPMO roof drain and Hunter's curve research
- ◆ The new Green Plumbing Design certificate program
- ◆ ASPE Tables Book mobile app
- ◆ ASPE Young Engineers special-interest group
- ◆ Regional workshops on plumbing system design techniques

*This one-time opportunity cannot be combined with any other membership promotional offering, transferred, or used at a later time. Promotion is only valid for memberships that expired prior to 2015.

REINSTATEMENT APPLICATION

(Please Print or Type)



AMERICAN SOCIETY OF PLUMBING ENGINEERS
6400 Shafer Court, Rosemont, IL 60018-4914
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Promo Code: 50%
Membership Dues

INCOMPLETE APPLICATIONS WILL NOT BE PROCESSED.

☐ Mr. ☐ Ms. ☐ Miss ☐ Mrs.

First Name (Nickname) Middle Name Last Name

Birth Date: M ___ /D ___ /Y ___ Check all that apply: ☐ P.E. ☐ P. Eng ☐ CPD ☐ Graduate Engineer ☐ LEED AP ☐ CET ☐ Other _____

I wish to affiliate with the _____ Chapter. Certification (P.E.) State _____ Certificate No. _____ Branch _____

Preferred Mailing Address ☐ RESIDENCE ☐ BUSINESS

RESIDENCE: Street Address City State ZIP Phone

E-mail (required) Business E-mail Cell Phone

BUSINESS: Organization Name Your Title Phone Fax

Street Address City State ZIP

Other organizations you are a member of: ☐ ASHRAE ☐ ASSE ☐ NFPA ☐ NSPE ☐ ASME ☐ PHCC ☐ ICC ☐ IAPMO ☐ SFPE ☐ Other _____

EDUCATION

	Name of Institution	Course or Major	From	To	Graduation Date	Degree/Diploma
High School						
College/University						
Technical School						
Others						

REMIT MEMBERSHIP DUES WITH APPLICATION

	Amount	AMOUNT DUE (Enter Amount)
<input type="checkbox"/> Membership Fee	\$100	\$ _____
<input type="checkbox"/> ASPE Alfred Steele Scholarship Fund*	\$25	\$ _____
<input type="checkbox"/> ASPE Research Foundation**	\$25	\$ _____
TOTAL AMOUNT DUE		\$ _____

PAYMENT INFORMATION:

☐ Enclosed is my check payable to ASPE.

Please charge my:

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Card #: _____

Exp Date: _____

Signature: _____

Date: _____ Telephone: _____

Remit Membership Dues With Application by:

MAIL

Attn: Stacey A. Kidd
American Society of Plumbing Engineers
6400 Shafer Court, Suite 350
Rosemont, IL 60018

FAX

847-296-2963

PHONE

If you want to pay with a credit card via
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EMAIL:

Submit application along with payment to
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American Society of Plumbing Engineers member dues are nonrefundable and not deductible as a charitable expense, but may be deductible as a business expense.

* Alfred Steele Scholarship (to award college scholarships) Funds are Strictly Voluntary and are not deductible as a charitable contribution but may be deductible as an ordinary and necessary business expense.

** Contributions to the ASPE Research Foundation are Strictly Voluntary and are tax deductible as a charitable contribution.

MEMBERSHIP APPLICATION

(Please Print or Type)



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INCOMPLETE APPLICATIONS WILL NOT BE PROCESSED.

☐ Mr. ☐ Ms. ☐ Miss ☐ Mrs.

First Name (Nickname) Middle Name Last Name

Birth Date: M ___ / D ___ / Y ___ Check all that apply: ☐ P.E. ☐ P. Eng ☐ CPD ☐ Graduate Engineer ☐ LEED AP ☐ CET ☐ Other _____

I wish to affiliate with the _____ Chapter. Certification (P.E.) State _____ Certificate No. _____ Branch _____

Preferred Mailing Address ☐ RESIDENCE ☐ BUSINESS

RESIDENCE: Street Address City State ZIP Phone

E-mail (required) Business E-mail Cell Phone

BUSINESS: Organization Name Your Title Phone Fax

Street Address City State ZIP

Other organizations you are a member of: ☐ ASHRAE ☐ ASSE ☐ NFPA ☐ NSPE ☐ ASME ☐ PHCC ☐ ICC ☐ IAPMO ☐ SFPE ☐ Other _____

EDUCATION

	Name of Institution	Course or Major	From	To	Graduation Date	Degree/Diploma
High School						
College/University						
Technical School						
Others						

PROFESSIONAL EXPERIENCE

(This section must be completed as it affects membership grade classification. List chronologically, beginning with the present. Work description must be clear and concise: e.g., plumbing, piping, fire protection, HVAC, etc. Use additional sheet as necessary.)

Date(Mo/Yr)	From	To	Firm Name and Address	Class* (see below)	Title	Description of Work	Degree of Responsibility

*Classification of Firm
A - Arch./Engr. or Cons. Engr.
D - Educ. Inst.
B - Govt. Agency
E - Contractor
C - Mfr. or Mfr's. Rep.
F - Other (Explain) _____

REFERENCES

(References should be in engineering profession. ASPE members preferred. ASPE reserves the right to contact references.)

Name	Address	Telephone

PLUMBING ENGINEERING DESIGN HANDBOOK

New members receive one of four volumes of the this definitive collection of general plumbing practices. As an ASPE member you will be sent the CD-rom unless you indicate preference for the softcover edition. If you would like both the CD-rom and softcover editions, please add \$50 to your total to the right.

☐ CD-ROM ☐ SOFTCOVER

CERTIFICATION BY APPLICANT

The undersigned certifies that all statements made herein are correct and, if elected to the Society, agrees to adhere to the Society's Bylaws and accept the Classification conferred by the Society. Upon becoming a member, the applicant will endeavor to advance the objectives of the Society and the plumbing engineering profession.

Signature of Applicant _____ Date _____

Sponsor _____
(Please Print)

How did you hear about ASPE? ☐ Past Member ☐ Plumbing Engineer Magazine ☐ Colleague/Employer ☐ ASPE App ☐ Website

☐ Other _____

American Society of Plumbing Engineers member dues are nonrefundable and not deductible as a charitable expense, but may be deductible as a business expense.

* Contributions to ASPE Education (create education programs for membership) and Alfred Steele Scholarship (to award college scholarships) Funds are Strictly Voluntary and are not deductible as a charitable contribution but may be deductible as an ordinary and necessary business expense.

** Contributions to the ASPE Research Foundation are Strictly Voluntary and are tax deductible as a charitable contribution.

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REMIT MEMBERSHIP DUES WITH APPLICATION

Member Type	Amount	Amount Due (Enter Amount)
<input type="checkbox"/> Full	\$ 190	\$ _____
<input type="checkbox"/> Associate	\$ 170	\$ _____
<input type="checkbox"/> Affiliate	\$ 190	\$ _____
<input type="checkbox"/> Special	\$ 190	\$ _____
<input type="checkbox"/> Governmental	\$ 190	\$ _____
<input type="checkbox"/> Student	\$ 30	\$ _____
<input type="checkbox"/> PEDH CD & Book	\$ 50	\$ _____
<input type="checkbox"/> ASPE Alfred Steele Scholarship Fund*	\$ 25	\$ _____
<input type="checkbox"/> ASPE Education Program Fund*	\$ 25	\$ _____
<input type="checkbox"/> ASPE Research Foundation**	\$ 25	\$ _____

TOTAL AMOUNT DUE \$ _____

Payment Information:

☐ Enclosed is my check payable to ASPE.

Please charge my: ☐ Visa, MasterCard ☐ Discover ☐ American Express

Card # _____

Exp Date: _____

Signature: _____

Date: _____ Telephone: _____



Immediate Member Benefits

The Plumbing Engineering Design Handbook: The most definitive collection of general plumbing practices in the field of plumbing engineering. The ASPE Handbook consists of forty-seven chapters divided into four volumes. New members receive one of four volumes immediately upon joining and the revised volume thereafter.

Plumbing Engineer Magazine: Members immediately begin receiving *Plumbing Engineer* magazine. This monthly magazine covers a wide spectrum of topics important to the profession and to daily practices in the field.

The ASPE Report: The Society's bimonthly newsletter, incorporated within the *Plumbing Systems & Design* magazine, keeps members abreast of Society activities and issues impacting the profession.

Publication and Education Program Discounts: All publications, education programs, and other services and products of the Society are offered at special discounted rates to ASPE members.

Collegial Interaction and Networking

Every ASPE member not only belongs to ASPE worldwide, but has the opportunity to belong to one of 62 Chapters organized throughout the United States and Canada. Chapters sponsor seminars, conduct monthly technical meetings, publish newsletters and offer special peer-to-peer and professional-to-professional interaction and networking opportunities.

Professional Growth and Development

The ASPE Biennial Convention and Engineered Plumbing Exposition (EPE) is the premier educational and professional development event for plumbing engineers and designers. The Convention features a comprehensive program of educational, technical and professional development presentations and seminars designed to enhance professional knowledge and foster awareness of new techniques. The concurrent EPE is the largest Exposition dedicated entirely to the field of plumbing engineering.

The ASPE Technical Symposium is offered in non-Convention years and provides a unique forum for the most comprehensive and intensive half-day and full-day plumbing engineering design seminars and workshops available anywhere. The "hands-on" workshops provide the plumbing engineer with information about new developments in the industry and new techniques for practical implementation in the field.

Technical Seminars and Workshops sponsored by ASPE offer one- or two-day programs conducted by leading industry professionals. Each educational program focuses on a specific area of plumbing engineering.

Continuing Education Units (CEUs): ASPE offers the opportunity to earn Continuing Education Units at selected technical program sessions at the biennial Convention, the Technical Symposium and at stand-alone Seminars and Workshops. CEUs are nationally recognized units of achievement that may be used as evidence of increased performance capabilities and for job advancement.

The Society shall be open to anyone involved in, or having a special interest in, the design, specification or drawing of plumbing systems.

Dues: Please choose the appropriate membership classification and remit dues with this application. In the event the membership classification is changed, a corrected dues statement (or dues overpayment refund) will be sent with your notice of election.

Membership Classifications

Membership classification (Grade) will be conferred based on Article II of the ASPE Bylaws as follows:

Full Member: Eight (8) years of experience in plumbing engineering or related engineering field, a minimum of four (4) years of which must have been in a position of responsibility for the design of plumbing systems or in a position of responsibility for the design of systems and components related to, or incorporated within, plumbing engineered and designed systems. A maximum of four (4) years of experience may be waived by the Society Membership Committee for: (a) Education: one-half (1/2) year for each completed year in a curriculum related to plumbing engineering; (b) Engineering Registration: four (4) years for Professional Engineer registration in a field that includes plumbing engineering; (c) CPD certification: two (2) years. Dues: \$190.

Associate Member: Professionals engaged in plumbing design as consultants or engineers with fewer than eight years of industry experience. Dues: \$170.

Affiliate Member: Any individual involved in the production or marketing of plumbing products. Dues: \$190.

Retired Member: Any retired member with ten (10) years of continuous membership in the Society who has reached the age of sixty (60) years and is no longer active in the profession. Members in this category will not receive Plumbing Engineering Design Handbook materials and shall pay substantially reduced annual dues. Dues: \$40.

Special Member: Professionals in related fields, such as contractors, or those with a special interest in plumbing design whose professional background do not match the requirements for any of the other categories may apply for Special membership. Dues: \$190.

Governmental Member: Anyone employed by municipal, state, or federal governments for one of the following reasons:

- A. Checking and/or inspection of plumbing plans and installations;
- B. The formulation of codes, rules, requirements and regulations pertaining to the planning, designing and installation of plumbing systems, or any portion of a plumbing system;
- C. Research and development of plumbing systems design criteria. Exception: Persons employed by a government agency for the purpose of designing and/or specifying plumbing systems, who shall be eligible to be Full or Associate members, provided they have fulfilled the experience required as outlined for each respective classification. Dues: \$190.

Student Member: Any individual attending a recognized university, college, community college, vocational, or technical trade school full time or part time in a curriculum related to plumbing design. Student Members are considered to be an introductory level to the Society. Student membership shall be limited to five (5) years after which time the membership shall be upgraded to an applicable membership classification as deemed appropriate by the Society. Other member classifications shall not be permitted to downgrade to a Student Member classification. Dues: \$30.