

February 2023

President's Report

I hope everyone is enjoying the slightly warmer weather we're getting.

The 2023 Central Ohio ASPE Scholarship application was sent out last week. There is also a link within this newsletter. The Chapter will be awarding a minimum of two \$1500 scholarships to college students, technical school students or high school seniors which will be enrolled full time in an engineering related program this fall. Applications are due by Friday, April 21, 2023.

We will be forming our National Convention Committee in March in preparation for the 2024 ASPE Convention here in Columbus. If you are interested in joining, please let me or any other board member know.

We will be holding our bi-annual elections for the ASPE board during the May meeting. If you are wanting to become more active in our chapter, this is a great opportunity. If you are interested, reach out to me or any other current board member.

A reminder that National Engineers Week is coming up on February 19th thru 25th. And while I'm sure this is already marked on everyone's calendar, World Plumbing Day is coming up next month on March 11, 2022.

There are several education and certification courses that ASPE is planning on offering:

- Green Plumbing Design (GPD) Program - Online course and certification test for the GPD credential. You must be either be a Certified Plumbing Designer or a Professional Engineer to be eligible to earn the GPD.

The cost is \$500 for ASPE Members, \$600 for non-ASPE Members.

- The CPD Exam is rescheduled for April 10 thru 21 via remote proctor. Registration for the exam is now open. The cost is \$450 for ASPE Members and \$675 for nonmembers. This year ASPE will be offering a three part virtual CPD review class to help you prepare for the exam. The virtual class will occur on February 18, 19 and March 25. Registration is now available at ASPE Education.

A remind of other upcoming events:

- 2023 Ohio Construction Conference is scheduled for Wednesday March 15th at the Ohio Union at OSU. ASPE is a Supporting Organization for this conference. A repre-

(Continued on page 8)

February In Person Lunch Meeting and Technical Presentation

February 13th, 2022

In Person

Raymond Memorial

3860 Trabue Road

Columbus, OH 43228

11:30 PM—1:00 PM

\$25.00 — members; \$35.00 — non-members

SUBJECT: Balancing Domestic Water Systems

SPEAKER: Anthony Ceresa - ThermOmega Tech



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VP Technical—Bill Deardurff

Hello to all ASPE Members and friends,

The February speaker will be Anthony Ceresa with ThermOmegaTech. They will present information on Domestic Hot Water Return Balancing.

The March speaker will be Paul Galvin with George Fischer to discuss Polymer Special Waste Systems.

Please send me any ideas for speakers or topics for next year's meetings.
We are scheduled through Sept. of 2023.

Bill Deardurff

Vice President Technical

Thomas Deberson - tdeberson@medpipe.com - 614-353-8594 - www.medpipe.com



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VP Education—Brad Fitzsimmons

Upcoming Webinar – 2023 CPD Review Class

Webinar takes place over all 3 dates.
February 18, 2022, 11:00 AM (EST)
February 19, 2022, 11:00 AM (EST)
March 25, 2022, 11:00 AM (EST)

Are you considering taking the [Certified in Plumbing Design \(CPD\) Exam](#) in the future? Have you been unsuccessful in passing the exam in the past? Join ASPE for these virtual review classes where the instructors will cover topics such as:

- A review of [CPD Study Guide](#)
- [Q&A](#) about the exam
- Key terms and definitions
- Review of the five domains (Gathering Information, Administration, Design, Specifications, and Construction Services)

The workshop includes a CPD practice test on the last day of class (a \$50 member value). **This class is not a plumbing design 101 course, and it is not intended to teach students the material required for the exam.** This class helps students learn HOW to study for the exam. Because there will be a high-level overview of the domains and content areas, this class will enable students to become aware of areas they need to focus their attention on leading up to the exam. In turn, this class will be helpful to students in their preparations for the exam.

This event will be held over the course of three days each for a period of 5 hours. The instruction time is roughly 4 hours per session, plus breaks, for a total of 5 hours. Students will take the CPD Practice Exam on the last day then discuss. Partial registration is not available. What should you bring to the virtual review class?

- The calculator you intend to use during the CPD Exam (Candidates can bring in and use any non-programmable calculator into the exam.)
- Any reference materials you intend to use during the exam (review the Open-Book FAQ page [here](#))

- Writing utensils and scratch paper will be provided for you

Miscellaneous and FAQs

- CEUs/PDHs are not awarded for this class.
- Each class consists of three days of training. See times at the top of this page for dates/times, or the respective class pages.
- Participation in this class is not a guarantee to pass the CPD or CPDT Exam.
- Participation in this class does not include CPD or CPDT Exam registration.
- Registration closes the week prior to the start of the class.
- Classes are virtual and held via ASPE Education / Zoom.
- Registration is not available for partial class participation.
- Registration is NOT transferable.

Questions? Email certification@aspe.org

ASPE Read Learn Earn

Every month ASPE publishes a new 12-question quiz with an accompanying chapter or article from one of our publications. Each quiz is available for twelve months. Each quiz is free for ASPE Members and \$35 for nonmembers. Through this special series, ASPE can help you accumulate the CEUs required for maintaining your Certified in Plumbing Design (CPD) or Certified Plumbing Design Technician (CPDT) status or numerous regulatory-agency CE programs.

February – Private Water Wells
Visit <https://education.aspe.org/RLE> to register

On-demand Webinars

Did you know? You can register for ASPE Webinars that you may have missed. Visit <https://education.aspe.org/on-demand-webinars> to register and view the library.

Brad Fitzsimmons

Vice President Education

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VP Legislative—Mike Spengler

Ohio BBS Memo - Storm Shelter Moratorium Update

The Board of Building Standards has updated its BBS Memo regarding the moratorium for storm shelters in Group E occupancies to include the following:

December 2022 Update: The moratorium in R.C. 3781.1010 which prohibited the Board's rules from requiring the installation of a storm shelter in any school building operated by a public or private school expired on November 30, 2022. The moratorium also expired for any school building undergoing or about to undergo construction, alteration, repair, or maintenance unless "financing has been secured" prior to November 30, 2022. The Ohio Attorney General issued Opinion 2019-027 in response to the Board's request for guidance on the meaning of "financing has been secured" in R.C. 3781.1010. The Opinion is available [here](https://www.ohioattorneygeneral.gov/getattachment/32ebe778-a585-43a5-8df5-2e553c2a3730/2019-027.aspx) (<https://www.ohioattorneygeneral.gov/getattachment/32ebe778-a585-43a5-8df5-2e553c2a3730/2019-027.aspx>)

If you have questions related to information contained in the Memo, please contact the Board's technical staff at 614-644-2613 or at bbs@com.state.oh.us

Ohio BBS Memo - Definition of a Registered Design Professional

The Board was recently requested to provide clarification to the definition of registered design professional in the Ohio Building Code. Currently, the code defines registered design professional as "Any architect holding a certificate issued under sections 4703.10 and 4703.36 of the Revised Code or any engineer holding a certificate issued under section 4733.14 of the Revised Code."

Revised Code § 4703.10 addresses the certificate to practice architecture issued by the State Board of Examiners of Architects while § 4703.36 addresses the registration of landscape architects with the Ohio Landscape Architects Board. Finally, Revised Code § 4733.14 ad-

resses registration of professional engineers by the State Board of Registration for Professional Engineers and Surveyors. The scope of practice of these professions are regulated through their respective Boards, and certified building department personnel should not reject construction documents solely based on questions regarding use or appearance of a professional seal or scope of practice. These matters and all others involving regulation of the profession should be referred to the appropriate registration Board.

Ohio Building Code (OBC) § 106.2.1 requires construction documents bear the seal of a registered design professional, but there are important exceptions to this requirement. Please review these exceptions to remind yourself of these options afforded an owner particularly those projects that do not involve technical design analysis as defined in this section. If a seal of a registered design professional is required on construction documents, then building department personnel should verify that the per-

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(Continued from page 6)

son is in fact registered by the appropriate registration Board. This can be done through Ohio eLicense Look-Up. Discrepancies should be reported to the appropriate registration Board and included in an adjudication order per OBC § 109 like any other item of non-compliance.

Additionally, if a seal of a registered design professional is required on construction documents, then any profession discussed above may submit sealed documents. To provide this clarification, the following revision to the definition of registered design professional has been approved by the Board for incorporation into the code in the next update:

REGISTERED DESIGN PROFESSIONAL. Any architect holding a certificate issued under section 4703.10 of the Revised Code, any landscape architect holding a certificate issued under section 4703.36 of the Revised Code, or any engineer holding a certificate issued under section 4733.14 of the Revised Code.

These amendments are solely for clarification purposes and do not expand or change the intent of the application of the definition today

ICC Launches New Revit Add-In

The International Code Council has announced the release of [the ICC Digital Codes Premium Revit® Add-In](https://codes.iccsafe.org/revit) (<https://codes.iccsafe.org/revit>). The new add-in allows architects, designers, engineers, and building safety professionals to access and reference building codes and standards directly from within Autodesk Revit.

The Open API integration provides side-by-side access to ICC Digital Codes Premium, enabling design professionals to validate construction plans with authorized building codes and standards during the design process itself.

The add-in is compatible with Autodesk Revit 2023, Autodesk Revit 2022, and Autodesk Revit 2021 on 64-bit Microsoft® Windows® 10 or Windows® 11 operating systems and is available on both the Code Council website and the Autodesk App Store.

ICC Digital Codes Premium Revit Add-In is available to existing Premium Complete subscribers. To learn more, visit <https://codes.iccsafe.org/revit>.

Hydraulic Institute (HI) Launches Pump Savings Calculator

The Hydraulic Institute (HI), the largest association of pump manufacturers in North America, announces its Circulator Savings Calculator as a free tool for users to estimate energy savings and financial payback from efficient circulator pump selection. The calculator utilizes data from HI's public Energy Rating database, er.pumps.org, to provide the most up-to-date savings calculations based on currently listed circulator models.

The Circulator Energy Savings Calculator estimates the energy savings for specific circulator pumps and domestic hot water recirculation pumps. Users have two options to calculate savings, with information from an HI Energy Rating Label or by entering size and control types.

For the Hydraulic Institute's complete Energy Rating Program, training, certification programs, and standards, please visit pumps.org/resources/energy-efficiency.

Mike Spengler

Vice President Legislative

(Continued from page 1)

sentative from the Builder's Exchange will be at our February meeting to provide more information.

- Further out, as you and your companies are starting to budget for next year a reminder that the 2023 ASPE Symposium is September 28-October 1, in Bellevue, Washington.

Mike Nickason

President



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Hello Construction Industry Associations!

The Builders Exchange of Central Ohio appreciates your willingness to share information about the 2023 Ohio Construction Conference with your members. We are excited for the event on **Wednesday, March 15 at the Ohio Union.**

Registration is underway for the one-day education and networking event.

If you have an in-person meeting taking place before March 10, we'd welcome the opportunity to stop by and provide a quick, personal invitation to your members. Let us know the specifics and we'll have a representative join you.

If you're continuing to meet virtually, you can still help support the event by sharing the Conference details with your members. I've attached and embedded an infographic that can be used in a promotional email, your eNewsletter, on your website or social media. The graphic below has a link to the [Conference page](#) of the BX website where you'll find access to the Conference agenda and program information as well as online registration.

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2023 ASPE-Central Ohio Chapter Scholarship Application

The American Society of Plumbing Engineers (ASPE) was founded in 1964 as an organization dedicated advancing the plumbing engineering profession, assisting the professional growth and advancement of its members, and protecting the health, welfare, and safety of the public.

Minimum of two (2) scholarships will be awarded:

ASPE Central Ohio Chapter Scholarship: \$1,500.00 – The scholarship honors the membered Plumbing Engineers past & present.

Matt Martinkovich Memorial Scholarship: \$1,500.00 – The scholarship is in memory of Matt Martinkovich who was a member of ASPE Central Ohio Chapter. He was a well-respected friend and associate in the Plumbing Industry. Matt passed away unexpectedly in October of 2020.

Full-time and part-time students are eligible to apply for this scholarship.

The eligible individual must be:

- A. Enrolled, as of the application year, as a full-time or part-time student in a college, university or technical school and
 - a. Have maintained a minimum overall grade point average of 3.0 on a 4.0 grading scale; or its equivalent; and
 - b. Plans to attend a college, university, or technical school on a full-time or part-time basis as of the fall semester of the application year; and
 - c. Is enrolled in a school or program of engineering

OR

- B. A senior high school student who:
 - a. Will graduate as of June of the application year; and
 - b. Has a minimum grade point average of 3.0 on a 4.0 grading scale; or its equivalent; and
 - c. Plans to matriculate into a college; university or technical school on a full-time or part-time basis as of the fall semester of the application year; and
 - d. Has been officially accepted by a college, university or technical school on a full-time or part-time basis as of the fall semester of the application year; and
 - e. Plans to enroll in a school or program of engineering

Applicants are evaluated on the following criteria:

- Academic achievement
- Community and school involvement
- Student's field of study
- Quality of the application



Applications must be **complete and accompanied by a SCHOOL ISSUED TRANSCRIPT** for Consideration. Official transcripts will be returned upon request – please include a self-addressed, stamped envelope. You may choose to print an unofficial transcript from the school website. If so, be sure to include your entire coursework history through January 1, 2023.

**Applications must be received by the ASPE Central Ohio Chapter no later than
FRIDAY APRIL 21, 2023.**

**Email completed application and required documents to:
hcromer@steffens-shultz.cm**

Please make sure your complete application is received on time for consideration.

If you have questions, please contact Hanse Cromer by email at hcromer@steffens-shultz.com.

Recipients will be notified of their awards by May 12, 2023.

Checks will be mailed to the student no later than June 1, 2023.



2023 Scholarship Application

APPLICANT INFORMATION

Student's Full Name: _____

Student's Age: _____ Marital Status: _____ Number of dependent children: _____

Mailing Address: _____

City, State, Zip Code: _____

Home Phone: () _____ Cell Phone: () _____

Email: _____

MOST RECENT EMPLOYMENT *(including summer job experience)*

Employer's Name, Company: _____

Address: _____

City, State, Zip Code: _____ Phone Number: () _____

Employed *(month and year)* From: _____ To: _____

Position: _____

ELIGIBILITY INFORMATION

If you know an ASPE member, they may submit a letter of recommendation on your behalf. A letter is not required, but could be beneficial in review of your application.

I ___ *(am)* ___ *(am not)* attaching a letter of recommendation from a Central Ohio Chapter ASPE member.

If so, member's name and company: _____

Page Two

EDUCATION HISTORY

High school graduation date: _____

Please give name of school, city and state: _____

Student's current or anticipated college/technical school: _____

Expected college/technical school graduation date: _____

Class status as of August 1, 2023: (Check one)

_____ College freshman _____ College sophomore _____ College junior _____ College senior -- **OR** --

_____ First year of technical school/2-year college _____ Second year of technical school/2-year college

Expected status during the 2023 academic year: (Check one)

_____ Full-time _____ Part-time

Number of class hours you plan to take: _____ hours per quarter **OR** _____ hours per semester

Cumulative grade point average on a 4.0 scale (do not round up): _____

Have you previously received any other degree in higher education? _____ No _____ Yes

If yes, list the institution, degree/major, and year: _____

Describe your current or anticipated major field of study and the degree toward which you are working:

_____ Bachelor's Degree _____ Associate Degree

Major/Minor: _____

Describe any extra-curricular activities in which you are involved:

ATTACHMENTS

To be considered for a scholarship, applicants must complete this form (be sure to answer **all** questions) and attached the following:

1. **Mandatory essay:** On a separate sheet, write a one-page essay that describes your career plans, how your field of study – and your leadership and service experiences – apply to these goals and how you will impact engineering in the future.
2. **Recommendation form:** Please attach the provided Recommendation Form, which should be completed by a school contact (career counselor, teacher, principal, coach, etc.) or an outside contact (employer, pastor, scout leader, etc.). Note: Family members may not complete the Recommendation Form.
3. **School issued transcript:** You may send an official transcript or unofficial transcript from the school website. Be sure to include your entire coursework history through January 1, 2023.

Optional attachment:

4. **ASPE member letter:** Support from a ASPE member is not required, but will add to your evaluation score. Letters must be from members of the ASPE Central Ohio Chapter.

SIGNATURES

I affirm that the information reported on this application is accurate and true to the best of my knowledge. I authorize the release of eligibility data from the college/technical school I attend.

Applicant's signature: _____ **Date:** _____

Parent's signature: (high school students only) _____ **Date:** _____

Deadline for applications is FRIDAY APRIL 21, 2023



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Apollo Valves Backflow www.apollovalves.com	<i>Apollo Valves</i> backflow prevention products for plumbing, fire protection, waterworks and irrigation markets.
Bradley Corporation www.bradleycorp.com	<i>Washbar</i> all in one hand washing stations, washfountains, <i>Express</i> and <i>Frequency</i> lavatory systems, <i>Navigator</i> thermostatic mixing valves, showers, safety equipment, metering faucets, patient care, <i>Terreon</i> solid surface products, <i>Evero</i> natural quartz products, <i>Keltech</i> water heaters.
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Creative Industries www.creative-terrazzo.com	Pre-cast terrazzo shower floors, mop basins, concrete laundry tubs and stairs or benches, terrazzo or concrete or glass counter tops and custom terrazzo products.
Eemax www.eemax.com	Electric tankless/instantaneous water heaters for commercial, residential and industrial applications, DI and booster heaters, emergency shower eyewash heaters.
Elkhart Products www.elkhartproducts.com	<i>Elkhart Products</i> wrought copper tube fittings, cast fittings and EPC engineered push-fit fitting brands include <i>TECTITE</i> and <i>CopperLOC</i> .
Hydrotek www.hydrotekintl.com	Sensor operated flush valves and faucets available in both battery and AC models.
Kemper Water Control www.kemperwatercontrol.com	Engineered <i>Flow Splitter</i> and <i>Balancing Valve</i> system technology for domestic water and Legionella mitigation solutions.
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Marlo www.marlo-inc.com	Commercial & industrial water softeners, media filters, reverse osmosis, dealkalizers, deionized and EDI electro-deionized water treatment equipment.
Mountain Plumbing Products www.mountainplumbing.com	High performance Water Appliances “Made Better by Design” including plumbing accessories, water filters, waste disposers, instant hot water tanks, and water chillers.
Plumberex www.plumberex.com	<i>Pro-Extreme</i> , <i>Trap Gear</i> , <i>Handy Shield Maxx</i> and <i>Clear Shield</i> lavatory trap and riser insulation kits. <i>Mushroom Flange</i> and <i>Floor Sink Carrier</i> specialty products.
Raychem / nVent Thermal Solutions www.nVent.com	<i>HWAT</i> self-regulating heating cable system for domestic hot water, <i>XL-Trace</i> , <i>Gardian</i> and <i>WinterGard</i> freeze protection cable, <i>Pyrotex MI</i> and <i>Electromelt</i> snow and anti-icing cable, <i>IceStop</i> , <i>RIM</i> and <i>FrostGuard</i> roof and gutter de-icing cable, <i>RaySol</i> , <i>NuHeat</i> floor warming and freezer frost heave cable.
Schott Scientific Glass / Kimax http://www.us.schott.com/en-us/products/kimax	Glass piping for acid waste and containment piping systems. <i>Knight-Ware</i> acid neutralizing sumps.
Tight Seal Gasket www.tightsealgasket.com	Toilet & urinal setting with Innovative, flexible design, sticky, reusable, elastomer toilet & urinal gaskets. Compresses up to 50%. Will not break or become brittle. Allows movement without leaking.
TOTO USA www.totousa.com	Global Manufacturer of Residential and Commercial Plumbing Fixtures, vitreous china, <i>Washlet</i> toilet seats, <i>NeoRest</i> toilets and Accessories.
Water Control Corporation www.watercontrolinc.com	High Capacity Ultra-Filtration for Legionella & Pathogen control, rainwater reclamation systems with ultraviolet or ozone purification, high purity water systems, water softeners, water filters.
Waterless Company www.waterless.com	<i>Waterless</i> “No Flush” vitreous china and fiberglass urinals with <i>EcoTrap</i> and <i>Blue Seal</i> liquid, <i>UTC Sentinel</i> sensor flushing systems. <i>Everprime</i> floor drain traps primer liquid. <i>Greenclean</i> chemicals.
Xerxes www.xerxes.com	Fiberglass Water and Wastewater storage solutions. Water storage, grease, oil, solids interceptors, and double wall decontamination tanks.
Additional Products Distributed: www.repsourcellc.com	Bathroom Partitions (solid plastic, baked enamel, stainless steel, laminate and phenolic), Bathroom Accessories, Lockers (solid plastic and metal), Water treatment products.

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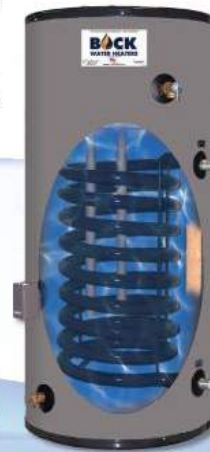
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ASPE CENTRAL OHIO CHAPTER 2021-2022 MEETING and EVENT SCHEDULE

September 12, 2022	Curbless Shower Design
October 10, 2022	Polymer Process Water Piping Systems.
November 14, 2022	Grease Interceptor Sizing
December 12, 2022	Press Joint Piping
January 9, 2023	Fire Stopping
February 13, 2023	Domestic Hot Water Balancing
March 13, 2023	Polymer Special Waste Systems
April 10, 2023	Specialty Plumbing Fixtures
May 8, 2023	Modern Controls and Sensors for Water Systems
June , 2023	Golf Outing

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