



ASCE Vision

Civil Engineers are global leaders building a better quality of life.



ASCE Mission

Provide essential value to our members and partners, advance Civil Engineering, and serve the public good.



<http://www.asce-philly.org>

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NON OMNIA POSSUMUS OMNES (WE CANNOT ALL DO EVERYTHING)

**SECTION MEETING SCHEDULE
2022–23**

The Section Meeting program for the upcoming season remains in the preparation mode and our meeting program committee is busy lining up speakers and topics for what we hope will be an interesting and informative series of meetings. The information we have at this point is provided below for your planning purposes. We would suggest that you use this to mark your calendar at this time and hold the dates.

In coming issues of *THE NEWS*, this information will be “fine-tuned” to provide updates as they are available. We also suggest you visit the Section website for the latest changes in our meeting program. As we have done, each month’s edition of *THE NEWS* will feature detailed information on that month’s meeting along with as much information as is available for the following month’s meeting, and the “look-ahead” schedule will show details that are available at that time for your advance awareness. E-mail blasts will be sent out on a regular basis to advise and remind of upcoming events and registration deadlines.

We also note the advantage of joint meetings with other societies and will schedule these as we can.

Our schedule of meetings for **2023** is:

February – to be determined

March 9 – Maggiano’s Center City, topic to be determined

April – to be determined break-out topics

May – Spring Social, to be determined

DECEMBER MULTI-SOCIETY MEETING

TUESDAY, DECEMBER 13, 2022

Engineers’ Club of Philadelphia and Numerous Technical Societies

Bala Golf Club, 2200 Belmont Avenue (north of Monument Road), Philadelphia

Registration 5:30 PM, Dinner/Networking 6:00 PM; **COST: \$60**

Social Event/Beer Tasting

Please join the Engineers’ Club of Philadelphia and our co-sponsoring partner societies for our annual Multi-Society Meeting. This year, things will be a little different, as a social/holiday event and beer tasting will be on the agenda (so no PDH’s...).

The Philadelphia Section will NOT be accepting any reservations for this meeting.

Reservations can be made at www.engrclub.org/multisociety2022. Payment will be expected for all reservations regardless of attendance.

A **Toys for Tots** collection will be conducted. New unwrapped toys will be accepted for donation and distribution to needy children.

More information will be provided in upcoming e-blasts.

JANUARY JOINT DINNER MEETING

WEDNESDAY, JANUARY 18, 2023

Delaware Valley Section, American Society of Highway Engineers

Radisson Hotel/Valley Forge Casino, 1st Avenue and Gulph Road, Valley Forge, PA

Cocktails 6:00 PM, Dinner 6:45 PM, Meeting Presentation follows (*please note new times*)

SUBJECT: PennDOT Update

RESERVATIONS FOR THIS MEETING MUST BE MADE THROUGH THE DELAWARE VALLEY SECTION, ASHE. The reservation process will be provided in the January edition of *THE NEWS*, as well as in upcoming e-blasts, along with more information on the topic and speaker.

ASCE DAY: On November 5, ASCE celebrated our 170th “birthday,” in case you missed it. ASCE was founded on this date in 1852, making it one of the oldest technical societies in the United States.

2022 PA Infrastructure Report Card Released

The new grades are in for the 2022 Report Card for Pennsylvania’s Infrastructure! The document was formally released on November 15. Our Section is planning a release event on December 6 and more details on this will be provided in the next e-blast.

In 2022, Pennsylvania’s infrastructure earned a cumulative ‘C–’, the same grade from the 2018 report and in line with the national grade of ‘C–’. The committee of Civil Engineers across Pennsylvania volunteered countless hours and evaluated 15 categories with the following grades:

PRESIDENT'S MESSAGE



I hope everyone is enjoying the cooler fall weather and getting excited to celebrate with family and friends this holiday season! The Phillies and Union weren't able to bring home any hardware for us this fall, but we still have the 9-1 Eagles. Go Birds!

Thank you to everyone who attended our November Section Dinner Meeting on November 10. **Api Appulingam, Kevin Brown, Herman Lloyd, and Matthew Reese** did such a great job discussing their adversities in the workplace,

moderated by **Kirsten Brown**. It was such a great presentation and they all helped shed some light on some of the ways we can all improve and move DEI forward and be more conscious towards others. I, for one, was speechless, to say the least by how powerful the presentation was, and I think that folks in the audience were also very moved by their personal experiences.

We invite everyone to register for the Multi Society event hosted by the **Engineers Club of Philadelphia (ECP)**. Further details and registration will be posted in the coming weeks.

The **2022 ASCE PA Report** was released on November 15. The Philadelphia Section will be scheduling a kick-off event for a later date and hope to also unveil our new mural with SEPTA and other guest speakers. Further details will be posted in the coming weeks on the formal ceremony and dedication. I just want to take this time to thank **David DiGioia** and **Michelle Madzlan**, who co-chaired the PA Report Card, as well as those who contributed and championed the categories for Report Card and made this release possible!

As we enter into the New Year, we will be joining up with **ASHE Delaware Valley** for our January event and participate in **Engineers Week Events** in February with ECP. We hope to continue the momentum with our March Section Meeting, April Tech Group event and Spring Social.

I hope everyone has a great Thanksgiving and we hope to see everyone at the Multi Society event hosted by Engineers Club of Philadelphia (ECP), and the PA Report/SEPTA Mural Ceremony in December!

Best,
Mohamed A. Elghawy, PE
President, ASCE Philadelphia Section
melghawy@trafficpd.com | 484-363-2472

TIME TO PAY YOUR DUES...

ALSO, LOOKING TO REFER A NEW MEMBER? OR SOMEONE WHO'S NOT AN ENGINEER?

As a reminder, your 2023 ASCE dues is coming due at the end of the year. You may have seen the e-mail reminders on this and hard-copy invoices are being mailed.



And if you want to advise friends and colleagues of the benefits of membership, **ASCE's Member Get A Member referral program** is a good way to refer prospective new ASCE members to our society. For each new member you refer, you can receive a **\$50 Amazon.com gift card** when they join. You can refer up to five colleagues at a time. More details are available at asce.org.

Also, please keep in mind that ASCE isn't just for Civil Engineers. While you may be surprised to learn this, ASCE allows non-Engineers to be members as well, with a specific grade of membership – the Affiliate Member grade – available for this purpose. While those with Civil Engineering degrees and backgrounds can usually join ASCE right out of school as Associate Members

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ASCE, PHILADELPHIA SECTION OFFICERS AND BOARD OF DIRECTION — 2022-23 SEASON

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Danielle Schroeder, Gannett Fleming, 2022-24

PAST PRESIDENTS*

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*In accordance with our Constitution and Bylaws, only the immediate Past President will serve on the Board, and only for a one-year term. We show the most recent three Past Presidents as has become our tradition.

In addition, these folks will serve in appointed positions:

ASSISTANT SECRETARY

Thomas Kulesher, JMT

ASSISTANT TREASURER

Patrick McCourt, PennDOT

We wish these brave and generous folks good luck for the coming season.

Contact Us:

President—Mohamed Elghawy, PE

Traffic Planning & Design, Inc.

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610-326-3100, melghawy@trafficpd.com

Secretary—Dennis Wilson, PE

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PUBLICATIONS COMMITTEE

Editor of *THE NEWS*

Robert Wright

Section Outreach

Jesse Gormley, Dennis Wilson

SEND COPY TO:

ASCE, c/o Urban Engineers, Inc.,
530 Walnut Street, Philadelphia, PA 19106

**COPY DEADLINE FOR JANUARY 2023 ISSUE
DECEMBER 9, 2022**

YOUNGER MEMBER FORUM NEWS

Kevin Malley, Forum Editor
 Tim Abel, Forum President 2022-23
 Amtrak, timothyshaneabel@gmail.com



ADOPT A HIGHWAY CLEANUP EVENT

October 15

YMF teamed up with our counterparts at ASHE Delaware Valley's Younger Member Committee to clean our 2 miles of adopted highway. Volunteers picked up trash on Bethlehem Pike between Lafayette Avenue Connector and Butler Pike in Ambler. We were fortunate to have beautiful weather. Thank you to all of our volunteers and to Fireside Bar & Grille for providing the meeting location!

This event is conducted twice a year and will likely be scheduled for a springtime cleanup in March/April 2023.

SEPTA CONTROL CENTER VISIT

November 3

YMF visited SEPTA's headquarters at 1234 Market Street in Center City to tour its Control Center. **Donte Julia**, Deputy Chief of the Control Center, gave a comprehensive tour of each department, Bus Operations, Transit Police, Subway, Trolley, High Speed Rail, and Regional Rail. We had an enthusiastic group who were very inquisitive about the ins and outs of SEPTA's operations. Donte and the managers had all the answers. Once that part of the tour was done, **Claudia Aliff**, Planning Analyst from SEPTA's Planning Department, shared with us a glimpse of where SEPTA is headed. Claudia covered SEPTA METRO, an update to wayfinding and communication for the transit system, Trolley Modernization, an update to the Trolley System to make it more accessible and reliable, Bus Revolution, a redesign of SEPTA's fixed-route bus network, and Reimagining Regional Rail, rethinking the Regional Rail system to improve access and provide more consistent service. Thanks to all who came out and thank you SEPTA for inviting us for a look behind the scenes.

NEWS FROM NATIONAL

ASCE adopts five-year plan for more robust board-certification program

Board certification is among the best ways for Civil Engineers to demonstrate their expertise in a specialty area. A new five-year strategic and business plan for ASCE's Civil Engineering Certification program will help more Civil Engineers do just that.

At its quarterly meeting, held in conjunction with the ASCE 2022 Convention, October 22-23, in Anaheim, CA, the ASCE Board of Direction voted to approve the proposed Civil Engineering Certification strategic plan and appointed **April Lander**, a Society director representing Region 10, to also sit on the CEC board.

The new plan envisions expanding board certification to additional specialties and considering how certification could also serve early career professionals and the global Civil Engineering community.

"When surveyed over recent years, younger members have indicated that they are looking for leadership development and validation of expertise," said **ASCE 2022 President Dennis Truax**. *"The proposed extensions of the Civil Engineering certification program embrace both."*

ASCE established Civil Engineering Certification Inc. in 2004, and CEC now offers six board certifications – Coastal Engineering, Geotechnical Engineering, Navigation Engineering, Ocean Engineering, Port Engineering, and Water Resources Engineering.

CEC plans to expand its offerings into other Civil Engineering disciplines and subdisciplines while also increasing the number of board-certified Engineers.

It's not a shift that was taken lightly. The ASCE Board of Direction started a process in 2018 of assessing and potentially revising the program. That led to creating the Task Committee to Resolve Certification, whose report to the board this spring preceded the new CEC strategic plan.

"ASCE has spent most of the year holding workshops and conducting interviews with stakeholders, employers, clients, and academicians in an effort to define market needs and the appropriate value proposition for the new CEC strategic plan," Truax said. *"We're excited to watch this program grow and further support our industry and our workforce."*

OPENING FOR GOVERNOR

ASCE's Region 2 Nominating Committee is seeking candidates to fill one open position for Region 2 Governor.

The candidate for the vacant Region 2 Governor position shall be an ASCE member in good standing from any Section in Region 2, have served as a Section or Branch officer, as a member of a Section or Branch committee, or as a member of a Standing Board or Society committee. Region Governors serve a term of three (3) years.

Individuals who wish to be considered for Region Governor must submit a Letter of Intent, Biographical Statement, Vision Statement, and high-resolution color photograph (in a professional setting) of the head and shoulders only to **Joseph Platt**, Nominations Chair (jplatt@trafficpd.com), with a copy to **Wendy Dinwiddie** ([wdinwiddie@asce.org](mailto:widinwiddie@asce.org)) by December 1.

The Biographical Statement MUST follow the template approved by the ASCE Secretary and is limited to 200 words for Region Governor candidates. The Vision Statement details the Candidate's vision for ASCE and plan for activities during his/her term in office. These Statements must be submitted in Word format, with the photo in jpg format.

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NOVEMBER SECTION MEETING

November 10, 2022

Maggiano's Little Italy, Center City

Adversity – Shaping the Workplace

By Robert Wright, Editor

For our second Section dinner meeting of the 2022-23 season, we returned to Maggiano's, where a group of over 60 attendees gathered on an unusually nice November evening as we were still getting used to the darkness happening as a result of the return to standard time. We were in for something different, as we veered away from technical and engineering topics to dive into the diversity, equity and inclusion (DEI) areas with a panel discussion on how this is impacting the current-day workplace (as if shutdowns, isolation/quarantine and working from home aren't already taking their own tolls on the workplace...).

President Moe Elghawy opened the evening with a few announcements and turned over the podium to the **Widener University Student Chapter**, being featured this evening. **Chapter President Kyle Schaeffer** reported on the Chapter's activities and goals.

Following this, **Membership Secretary Kevin Brown**, a proud Widener alum and one of our featured panelists for the evening's presentation, introduced **Kirsten Brown**, who brought the panelists to the front. The group included **Api Appulingam**, Deputy Director of Aviation, Capital Development, City of Philadelphia Department of Commerce, Division of Aviation; the aforementioned **Kevin Brown**, Construction Services Manager, TranSystems; **Herman Lloyd**, Vice President, Philadelphia Area Regional Leader, Traffic Planning & Design, Inc.; and **Matthew Reese**, Deputy Practice Leader, Urban Engineers, Inc. The overriding subject, which is that we all have different life experiences that we bring to the table, experiences that help us manage our teams and/or factor into our technical decisions, framed the opening remarks from each panelist. Each also explained how sometimes these experiences are related to where we grew up or where we went to school, but sometimes



it is from the adversity that we experience. Things as seemingly minor, in the eyes of some, such as not knowing how to pronounce a name or not understanding a personal and/or lifestyles choice, were related in the four panelists' remarks and responses as they discussed their various experiences. The panelists responded to particular questions directed to them to result in a great presentation, as they all helped shed some light on some of the ways we can all improve and move DEI forward and be more conscious towards others. Many in attendance were pleased with how powerful the presentation was and were very moved by their personal experiences.

Several questions and comments were offered by the attendees and insightful responses were provided. President Elghawy closed the evening and thanked them for their interesting program and offered parting gifts for their time and effort on this.

The full presentation will be made available on our webinar library on Teachable.com, an online platform where we will upload our recorded PDH-worthy webinars, which can be watched at one's own pace and time to earn your PDH.

N-ASCE*

YOU CAN'T GET TO HEAVEN ON THE FRANKFORD EL, 'CAUSE THE FRANKFORD EL GOES STRAIGHT TO FRANKFORD...

So says the song originally recorded by the American Dream in 1970 (and the first album produced by local musician Todd Rundgren, so there are two pieces of trivia for you...) and later covered by another local band, the Hooters, in 1989. And it has been going straight to Frankford for 100 years.

The Frankford Elevated was opened for service on November 5, 1922, after its official dedication the day before. The EI, as it was known, extended rapid transit from a connection with the Market Street Subway at its portal at Front and Arch Streets, via Front Street, Kensington Avenue and Frankford Avenue to Bridge Street in the Frankford section of lower Northeast Philadelphia. The line was 6.4 miles in total length with 12 intermediate stations between 2nd Street on the Market Street Subway and Bridge Street, and effectively doubled the length of the Subway. The Subway had two branches as a result on its eastern end, the existing elevated line that ran along Delaware Avenue to serve the ferries to Camden, and the new Frankford service. Trains from the western terminus at 69th Street in Upper Darby operated alternately to Frankford and the Ferries until the latter branch was closed in 1939.

Construction of the EI started in September 1915, financed and managed by the City's Department of City Transit, and was the first publicly-funded transit project in the City. The Subway had been built with private funding and investment by the Philadelphia Rapid Transit Company, which operated the vast majority of the city's trolley lines.

After several work slowdowns, some related to material shortages experienced during the First World War and some resulting from administrative and political issues, the EI was completed in early 1922. A fleet of 100 rapid transit cars was purchased from local car builder J. G. Brill for the extension, which would augment the Subway's existing 215 cars. (These two groups would continue in service until their replacement by the Budd-built M-3's in 1960.) The total cost of the EI project, including construction and the new fleet, was nearly \$16 million.

As part of the EI effort, the City also constructed a feeder trolley route from the Margaret-Orthodox station of the EI to the Bustleton community in far Northeast Philadelphia and this began service simultaneously with the EI's opening. Five small single-truck trolley cars were procured to provide service on this new line, which was operated by PRT under contract with the City and designated as Route 59. The line quickly became popular despite operating through what was then sparsely populated and primarily rural areas, to the extent that the small trolleys proved to be inadequate and PRT substituted its own larger cars for this operation.

The EI succeeded in helping to spark vast residential and real estate development in Northeast Philadelphia and this grew even more in the years following World War II as it provided a quick link between the Northeast and Center City. The line remained unchanged for many years, until the 1960's when the alignment of I-95 was established through Old City and would require the relocation of the EI and its portal. A temporary structure was provided for the EI in this area to allow demolition and highway construction, and the EI was moved off Front Street to a new portal with a smoother curve into the Market Street Subway and a new alignment in the median of I-95 in the late 1970's. A new station at Spring Garden Street replaced the former stop at Fairmount Avenue as part of this work.

In the early 1980's SEPTA, the current operator of the EI following its takeover of the private Philadelphia Transportation Company in 1968

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N-ASCE*

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(which itself was reorganized from PRT in 1940), began to consider a major rehabilitation of the nearly 60-year-old structure, which had begun to show its age. The concrete deck of the structure was replaced using the existing column supports, and new track was provided with a modern direct fixation method to the deck in place of the typical ballasted rail-on-tie construction. This work extended from the connection to the I-95 median alignment south of the Girard Avenue station to just south of the Bridge-Pratt Streets Terminal, which was being redesignated as the Frankford Transportation Center. This work was started in 1988 and completed in 2000 with a price tag of just under \$500 million.

As the rehabilitation work was winding down, a new fleet of 220 cars, dubbed the M-4's replaced the Budd cars. One immediately recognized and appreciated new feature with the M-4's was air conditioning. With their introduction into service, another aspect of the line's operation changed, as the new fleet had the ability for one person to both operate the train as well as control the doors, using closed-circuit TV monitoring to assist in watching the doors. Until this point, trains had to have a motorman to operate them as well as a conductor, usually located toward the rear of the train, to control and observe the doors. This had been in effect on the line since its opening.

The Frankford Transportation Center itself, a major transfer point to over a dozen bus routes, was completely rebuilt starting in 2003 and the El alignment moved slightly to the west to directly enter the Center, opening several blocks of Frankford Avenue to daylight for the first time in over eighty years. The new Transportation Center complex was completed in 2005 representing a total investment of \$160 million.

After a century of service, the El remains the City's busiest transit line and a vital service to the region.

*N-ASCE – not always something concerning Engineering...

SECTION COMMITTEES

Our Section runs very well and it is mainly a result of the dedication and service of our many volunteers, both our Officers and Board Members as well as our various Committees. While many of you know the former group well, you may not be all that aware of the latter. Our Committees address many of our regular and ongoing issues and keep our Section vibrant and in the forefront of service to our membership. A list of our Committees and chairs for this season is provided below. We would like to thank these folks and their helpers for their contributions and diligence in helping our Section do what it does.

Additionally, if you have a particular interest in helping the Section as a Committee volunteer, please reach out to us at info@asce-philly.org or through our Section Secretary, Dennis Wilson (contact information is provided on page 2).

- ASCE Brochure – *Katrina Lawrence Budischak*
- ASCE National Conference (2026) – *Chris Menna*
- Audit – *Jesse Gormley*
- Awards – *Bob Wright*
- Budget and Finance – *Cricket Schreppler*
- College Scholarship – *Danielle Schroeder*
- Communications – *Jesse Gormley*
- Continuing Education – *Joe Natale*
- Diversity, Equity and Inclusion – *Assunta Daprano*
- Government Relations – *Archie Filshill*
- History and Heritage – *Joe Natale*
- Humphrey Fund – *John Zarsky*
- Membership – *Kevin Brown*
- Mural – *Angelo Waters*
- Nominating (for Board Positions) – *Moe Elghawy*
- Program – *Joe Natale*
- Registration and Payment – *Mike DeVuono*
- Society Relations – *Cathy Farrell, Bob Wright*
- Spring Social Committee – *Troy Illig*
- Subsidiary Groups – *Jesse Gormley*
 - Construction Management – *Bob Wright*
 - Delaware Valley Geoinstitute – *Jim Beideman*
 - Environmental and Water Resources – *Eric Lindhult*
 - Structural Engineering Institute – *Jack Cardinal*
 - Transportation & Development Institute – *Bill Thomsen*
 - Utility Engineering and Surveying Institute – *Nha Truong*
 - Younger Member Forum – *Tim Abel*

Infrastructure Report Card

Continued from page 1

Category	2022 PA Grades
Aviation	B-
Bridges	D+
Dams	C
Drinking Water	D
Energy	C
Hazardous Waste	B-
Levees	C
Parks	C+
Ports	C+
Rail	C
Roads	C-
Solid Waste	C+
Stormwater	D
Transit	D
Wastewater	D-

This report underscores that Pennsylvania's aviation and rail networks are helping to drive economic growth in the region and an improved roadway network is helping improve efficiency for the regional and national economies. For Pennsylvanians, infrastructure investment means more jobs, safer communities, and more money in taxpayers' wallets.

The report also highlights that as severe weather events are increasing by the year, the systems that protect Pennsylvania residents and property are aging and aren't equipped to handle current and future rainfall trends – this threatens our safety and welfare. Looking forward, we

must build our infrastructure more resiliently by incorporating the latest materials, regularly collecting and aggregating data, and most importantly, building to adequate codes and standards. Funding must come from all levels of government and the private sector.

We thank the Report Card Committee for its hard work and diligence in getting this update out for our use.

THANKS TO OUR SPONSORS



Our Section Sponsorship program is underway once again, with 12 firms "in" thus far. We extend our special and collective **THANKS** to each sponsor for their financial commitment and support.

Sponsor logos are displayed in a special Sponsors section of our website. Additionally, we provide direct links to sponsors' own websites so prospective employees can review all available and up-to-date positions. We also offer sponsors the opportunity to have a "spotlight" article in an edition of *THE NEWS* as well as service as a sponsor of one of our monthly dinner meetings.

If you have an interest in joining our sponsorship program, there's still time to be part of this season's group. Please contact **Bob Wright** at newseditor@asce-philly.org for more details.

IN MEMORIAM

Carmine M. Fiscina

On October 26, 2022, Carmine Fiscina, devoted husband and loving brother, uncle, and cousin passed away at the age of 80. Mr. Fiscina was born on October 30, 1941, in Brooklyn New York to Pasquale and Concetta Fiscina. He earned his Masters degree in Civil Engineering from Manhattan College and worked for the Federal Highway Administration (FHWA) as an Area Engineer for over 50 years.



Mr. Fiscina met his wife, the late Phyllis, while working in Trenton, New Jersey, and they married in 1967. He was very generous with his family and friends and he enjoyed many meals with his loved ones, whether it was at one of his favorite restaurants or in someone's home. He was extremely intelligent, compassionate, prideful, gentle, and kind. He loved his family and they will never be the same without his presence in their lives. He was a faithful member of the Roman Catholic Church and dedicated his time as a lector and eucharistic minister with his local parish for many years. He was additionally an extremely loyal fan of his beloved New York Mets.

Mr. Fiscina was preceded in death by his parents and two sisters, and is survived by his sister Mary Ann, nieces, great nieces and nephews and cousins. He was cited by our Section as our Philadelphia Civil Engineer of the Year in 1999 for his many accomplishments and projects completed for our region's transportation network. As well, ASCE's Region 2 recognized him with its 2021 Lifetime Achievement Award this past April.

HOLD THESE DATES

ENGINEERS WEEK EVENTS SCHEDULED

The Engineers' Club of Philadelphia, through its Delaware Valley Engineers Week Committee, will cite **Engineers Week 2023 (February 16-25)**. We have traditionally extended our local celebration beyond that recognized by National Engineers Week to include our kickoff event.

Engineers Week in the Delaware Valley will officially begin with the Engineers Week Opening Dinner on **Thursday, February 16** (two days before National E Week begins). At this event, we will introduce and formally induct the Delaware Valley Engineer of the Year, our own Archie Filshill, and Delaware Valley Young Engineer of the Year, as well as highlight the various contributions of Engineers and Engineering students. All Engineers Week award and scholarship recipients will be cited at the Dinner.

The Young Engineers Social will be conducted during Engineers Week (February 21). This is a networking and social event to cite the newly-inducted Delaware Valley Young Engineer of the Year.

Please note this information in your calendar and plan to participate. More details on venues and pricing will be included in future updates.

Please visit the Engineers' Club website, www.engrclub.org, for more information and updates.

2023 DELAWARE VALLEY ENGINEER OF THE YEAR

ARCHIE FILSHILL



Section Director Archie Filshill has been elected as the 2023 Delaware Valley Engineer of the Year, following his nomination for this honor by our Section. Archie is the Founder and CEO of Aero Aggregates, his second start-up company in his career. With Aero, he adapted a novel technology from Europe that transforms waste glass into ultra-lightweight aggregate, producing an environmentally friendly and versatile product. It uses waste glass otherwise destined for landfill and converts it to an ultra-lightweight construction material. Within the first year of operations, Aero was able to secure six State DOT approvals and win Pennsylvania Governor Tom Wolf's "Governors Award for Environmental Excellence" in 2018.

Archie is a Philadelphia native who went to George Washington High School and then onto Temple University to study Electrical Engineering where he graduated with a BS in 1988. He subsequently attended night classes at Drexel University to obtain his Masters and PhD degrees in Civil Engineering. As Founder and CEO of Aero Aggregates, he had as an early priority the setting and executing of the organizational goals with a strategy to achieve these through a detailed business plan. The first Aero facility is located in the vacant Baldwin Locomotive building in Eddystone, PA, and three more have been established across the country. At each location, Aero has taken over a vacant building and hired within the local community, and the product will divert millions of plastic bottles from landfill.

In 2021, Archie was awarded by ASCE Philadelphia Section, Civil Engineer of the Year, as well as Entrepreneur of The Year® Greater Philadelphia, issued by Ernst & Young LLP.

Archie's career has been a unique combination of engineering disciplines with successful entrepreneurial ventures interlaced with academic study. His work has had a continual focus on research and development while always thinking outside the box. He believes his engineering background has been the key to his business success.

Dues Due Now

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(and are eligible for reduced levels of dues if they have been Student Members), the Affiliate Member grade is available to anyone having "an interest in the advancement of the purposes and objectives of the Society", as stated in the definition provided in the ASCE Register, who may not have been eligible for Student Membership and/or do not meet the criteria for Associate Membership.

Thus, the Affiliate Member grade is ideal for those who work in related fields who may have an interest in Civil Engineering but do not have a Civil Engineering degree. Affiliate Members enjoy the same benefits and perks of ASCE membership as do other member grades above Student. Additionally, you may want to let some of your colleagues and friends know about this so they can consider ASCE membership and you can get some cash for the referral.

At the other end of the "spectrum," for those of you more senior and experienced members, the Fellow grade of membership is worth consideration. This is the highest level of membership one can attain on one's own and is a laudable and esteemed achievement. The specific requirements for application for this grade of membership are listed on asce.org.

**I am grateful for
what I am and have.
My thanksgiving is perpetual.**

Henry David Thoreau

SECTION AGENCY PARTNERSHIP PROGRAM

As you may be aware, our Section offers a Section Sponsorship Program to allow firms to help provide our various activities and programs for our membership and the Civil Engineering community in the Philadelphia area. This involves

a financial commitment which is reflected in the placement of the participant's logo and business card in *THE NEWS* and on the Section's website, along with several other benefits. Additionally, we have established an informal

recognition of government and quasi-government agencies for the assistance they have provided us, through volunteer assistance and award recognition among other things. Our Agency Partners' logos are shown below.



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Continued from page 3

Interviews of candidates are expected to be conducted between January 16, 2023 and February 17, 2023. The Nominations Committee will provide the names of the selected Official Nominee(s) to the ASCE Secretary by March 1. Please ensure that you meet the minimum qualifications and can dedicate the time and financial commitment to serve in this important position. Electronic submissions will ONLY be accepted. Please contact **Joe Platt** if you have any questions or need additional information on this.