



SECTION MEETING SCHEDULE 2019-20 – ALMOST OVER...

Hard to believe, and time indeed flies... The last two Section meetings of this season are upon us and information on each is provided under separate headings for these announcements.

There is one remaining Section event in our “look-ahead” schedule, the **Spring Social**. This will be conducted on **Thursday, May 16**. Details are still being finalized and more information will be provided in the April edition of *THE NEWS*.

TIME FOR NOMINATIONS FOR SECTION OFFICERS

It may seem like we just did this, but it is indeed that time again. If you have an interest in being a part of the Section’s governance, your opportunity has arrived. In accordance with the Constitution and Bylaws of the Section, President **Kazi Hassan** will be appointing a Nominating Committee to recommend a slate of officers for all Section elective offices for the 2020-21 administrative year. The positions which will be open for nominees are President Elect, Vice President, Secretary, Membership Secretary, and at least three Director positions.

Please feel free to nominate yourself or a colleague if you are interested in serving the Section in one of these capacities. We are looking for hard-working, dedicated volunteers who have fresh ideas.

Nominations should be submitted to Section Vice President **Briana Earle** (bearle@langan.com) by **March 20**.

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.*

MARCH DINNER MEETING

Philadelphia Section, American Society of Civil Engineers

THURSDAY, MARCH 12, 2020

Maggiano’s Little Italy, 1201 Filbert Street (corner of 12th Street), Center City
Cocktails 5:30 PM, Dinner 6:30 PM, Meeting Presentation follows (roughly 7:30 PM)

SUBJECT: Construction of the Comcast Technology Center

SPEAKER: Samuel G. Verzella, L.F. Driscoll Co., LLC

RESERVATION DEADLINE – THURSDAY, MARCH 5. The cost per attendee is \$40, with a half-price (\$20) cost for government agency employees and students, for reservations received by this deadline.

PLEASE NOTE: This event is open for ASCE members ONLY. You will need to have your ASCE ID number to register and your membership will need to be current for you to be able to register.

Reservations can be made through our website (www.asce-philly.org) and paid via PayPal or by check. This option will NOT be available after the reservation deadline. Checks, made payable to “**Philadelphia Section ASCE**”, will be accepted at the reservation table at the door as an option to electronic payment. Reservations received after the deadline and “walk-ups” without prior reservations paying at the door will be charged \$50 (government agency employees and students will be charged the regular \$20 rate), and will be subject to acceptance on a space-available/standby basis.

Our “express” check-in process will be in place for those who reserve and pay via PayPal. Please print your paper ticket when you reserve and bring the ticket with you. This will allow you to enter the meeting room and bypass the registration table.

All registrations are final. Due to commitments with our event venues, cancellations or no-shows will be invoiced for the full cost of the event. Registrants are able to transfer their registrations to others without penalty provided the person receiving this registration is an ASCE member.

THERE IS NO GUARANTEE THAT SPACE WILL BE AVAILABLE IF YOU DO NOT RESERVE A SPACE. Walk-ins and anyone without a reservation will be handled on a space-available basis.

ACCESS AND PARKING: Maggiano’s is a short walk from SEPTA’s Jefferson Regional Rail station and a half-block from bus routes, the Subway-Surface Trolleys and the Market-Frankford Line on Market Street. There is a parking garage directly above the restaurant for which validation can be offered for a reduced price.

The presentation will cover the construction of the tallest building in Philadelphia, eclipsing the Comcast Tower across the street from it. It rises to a height of 1,121 feet, making it the tallest building in the Commonwealth of Pennsylvania as well, and serves as office space for Comcast as well as the new location of the Four Seasons Hotel which occupies the top floors of the Tower. New space was provided for a state-of-the-art studio for NBC 10 (WCAU-TV), allowing it to relocate several of its functions from its current location on City Avenue, and features the latest technology for television broadcasting and news reporting. The 60-story structure was completed at a cost of \$712 million and

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APRIL DINNER MEETING

Philadelphia Section, American Society of Civil Engineers

THURSDAY, APRIL 16, 2020

The Inn at Villanova, (formerly Villanova Conference Center), County Line Road, Radnor, PA
Cocktails 5:30 PM, Dinner 6:30 PM, Meeting 7:30 PM

As has been done for the past ten years, this meeting will consist of a dinner with subsequent “breakout” sessions on three separate topics. More information will be provided in the April edition of *THE NEWS*.



PRESIDENT'S MESSAGE

In February, we wrapped up Engineers Week 2020. The Delaware Valley Engineers Week Committee and the Engineers' Club of Philadelphia pulled off another successful week of celebrating all Engineers. The Committee started their planning in April 2019 to pull off the momentous occasion. The Engineers' Club did a wonderful job of recognizing all the affiliate societies in the region, and the American Society of Civil Engineers is proud to be an affiliate society of the Club.

As we move into March, the Section will be shifting its focus to increasing its membership. The March technical meeting is being planned for Section members only and is one of the ways for us to thank our current members, as well as an opportunity to highlight the benefits of becoming a member of ASCE. Member benefits can easily be found on the ASCE website: <https://www.asce.org/member-benefits/>. Some of my favorite benefits are access to 10 free professional development hours (PDH), *Civil Engineering* magazine, Civil Engineering salaries, and Career by Design (tools, tips, resources, and opportunities needed to advance your career).

The member benefits on the ASCE website only scratch the surface, and I want to share my personal journey with ASCE which has helped me grow. 14 years ago, during my first year in my career, I took a leadership role and joined our Younger Member Forum (YMF) as a Technical Events Chair. Over the years, I tried various board positions, ending with my Presidency in 2012. Although I helped plan events in college, it was a learning experience to plan events with other professionals. The YMF Board had working professionals from anywhere between one to 10 years of experience in our industry. Seeing how others carried themselves during meetings and other correspondence taught me valuable lessons that I was able to apply to my job at Pennoni. As I moved on from YMF and joined the Section Board, I had the opportunity to work with professionals with 5 to 30+ years of experience. It was very evident that my work at Pennoni was teaching me the technical skills, while my volunteering with ASCE was helping me develop my soft skills, such as leadership, communication, time management, and more. Those soft skills enabled me to move up in my career quickly at Pennoni. Some of the responsibilities we tackle as a volunteer for ASCE includes delegating tasks, teamwork, decision making, and networking. These are the same responsibilities I'm currently tasked with as a Highway Supervisor/Senior Engineer at Pennoni, and are strengthened by my experience with ASCE.

If you have never held a leadership role before, I can understand the hesitation. My advice is to start with becoming an ASCE member. Attend any of the ASCE sponsored events or attend a Board meeting to just sit in and listen. If you're hesitant on attending, bring a colleague with you. The one thing I can assure you is that Section Board members will welcome you with open arms and help you based on what your needs are. If you need any additional advice, feel free to contact me.

"A mind stretched by new experiences can never go back to its old dimensions."
~Anonymous

Kazi M. Hassan, PE
President, ASCE Philadelphia Section
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REMINDER - LOOKING FOR JUDGES FOR SCIENCE FAIRS

As we have for many years, our Section will be offering Special Awards at the Delaware Valley Science Fairs. The Fairs will be conducted on **Wednesday, April 8** at the **Greater Philadelphia Expo Center** in Oaks. Four Special Awards for individual student projects that have a Civil Engineering theme will be awarded, with two prizes for Grades 6 through 8 and two for Grades 9 through 12.

Volunteer judges are needed for this effort. The judging will require you to spend most, if not all, of your day (approximately 8 AM to 3 PM) at the Fairs, examining and short listing possible projects in the morning and then interviewing the students who assembled them and finalizing the selections in the afternoon. It is always a very interesting and enlightening experience.

If you are interested in being a Special Awards judge please contact **Chris Rood** (chris.rood@aecom.com). You will also need to register for this and this can be done through the Fairs' website, www.dvsf.org.

For more information on the Fairs please visit the above website.

We hope you can join us for a rewarding and interesting day.

MARCH MEETING

Continued from Page 1

includes a new concourse-level connection to SEPTA's Suburban Station, which was a significant undertaking in itself.

Mr. Verzella has been in the construction industry for 35 years and has served in his current capacity with Driscoll since 2013.

This presentation is eligible for one Professional Development Hour (PDH).

If you don't have butterflies, it's because you know you have no chance.

— Paul Azinger

ASCE, PHILADELPHIA SECTION OFFICERS AND BOARD OF DIRECTION — 2019-20 SEASON

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Cathy Farrell, HNTB

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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.*

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**COPY DEADLINE FOR
APRIL 2020 ISSUE
MARCH 13, 2020**

YOUNGER MEMBER FORUM NEWS

Assunta Daprano, Forum Editor
Jesse Gormley, Forum President 2019-20
 Pennoni Associates
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STEPPINGSTONE SCHOLARS SCHOOL

JANUARY 18

YMF and the K-12 Outreach Program are dedicated to promoting the Civil Engineering profession, as well as, other Science, Technology, Engineering and Math (STEM) related topics to various schools in the Philadelphia area. At times, these schools are underserved or in areas of economic disparity, and programs, such as K-12 Outreach, provide opportunity, relief and of course, some fun. **Steppingstone Scholars** in Philadelphia works tirelessly with families, to provide education programs to those underserved students every day.

This year, Steppingstone Scholars partnered with YMF for a day of STEM education, hosted at Temple University. K-12 Outreach Co-Chairs, **Danielle Schroeder** and **Christopher Medora**, were joined by **Dan Bhaumik** (Carroll Engineering), **Kirsten Brown** (Urban Engineers), **Nha Truong** (American Water), **Egla Qori** and **Assunta Daprano** (AECOM), and **Noor Dabdoub** (Lennar). The volunteers spoke to over 150 students from 5th to 9th grades about the Civil Engineering profession and assisted them in performing various hands-on activities. These activities included the Slender Tower Challenge, Water Filtration, Shoo Bird Shoo, and Puff Mobiles. The Civil Engineering topics were local as volunteers discussed buildings, such as the new Comcast Center, bridges, such as the Benjamin Franklin Bridge, and water treatments plants, such as Queen Lane. Older students were also interested in learning more about the Engineering profession and what curriculum is offered at an Engineering college. YMF and Steppingstone Scholars would like to thank Danielle, Christopher and the volunteers for planning/participating in a fantastic event; and for furthering STEM education in Philadelphia.



PRESENTATION BVM K-12 OUTREACH VISIT

JANUARY 29

The YMF K-12 Outreach Program hosted its 5th event of the 2019-20 school year at Presentation BVM School in Cheltenham. K-12 Outreach co-chairs, **Dani Schroeder** (an alumnus of Presentation BVM) and **CJ Medora**, were joined by volunteers **LaTisha Garrett** (Lagan), **Amy Palamara** (Mott MacDonald), and **Emily Pronchik** (HNTB). The volunteers spoke to over 200 students in Kindergarten through the 8th grade about Civil Engineering and assisted them in performing the **Slender Tower Challenge**. The volunteers measured 35 towers ranging from 9 inches to 74 inches tall! Thank you to our volunteers for taking the time out of their busy Wednesday morning to join us! If interested in volunteering at a future outreach event, contact the YMF K-12 Outreach Team at ascephilaymfk12@gmail.com to get on our volunteer list!



ERYMC 2020

JANUARY 31 – FEBRUARY 1

At the end of January, our Section and YMF played host for the 2020 ASCE Multi-Region Leadership Conference (MRLC) which included the Workshop for Student Chapter Leaders (WSCL), Workshop for Section, Branch, and Institute Leaders (WSBIL), and the Eastern Regional Younger Member Council (ERYMC). The conference brought over 500 ASCE leaders to Philadelphia from up and down the east coast for two days full of leadership training, ASCE information, technical seminars, and networking, among so much more.



ANOTHER SUCCESSFUL ENGINEERS WEEK

We hope you participated in Engineers Week this year. It was celebrated locally from **Thursday, February 13 through Saturday, February 22**. While nationally it is observed starting on February 15, locally we extended it two days to work for our events.

The Delaware Valley Engineers Week Committee (DVEWC) events were popular and successful, as usual. These included two main celebrations this time around. The **Opening Ceremony/Dinner**, to kick off E Week, was held at the DoubleTree Philadelphia Hotel on February 13. Section Member **John Peirce** ended his term as the 2019 Delaware Valley Engineer of the Year at the Ceremony, which drew over 160 attendees. Section Member **Jesse Gormley** was installed as this year's **Delaware Valley Young Engineer of the Year** at this event as well, and was the featured guest at the **Young Engineers Social**, conducted at Brickwall Tavern in Center City on February 18. The Social was similarly well attended.

As we know, the completion of this year's events only kicks off the planning for next year's. DVEWC, a committee of the Engineers' Club of Philadelphia, is always in need of volunteers to assist in many of the activities surrounding Engineers Week. DVEWC has a need for your talents and skills in several diverse areas. If you are interested in volunteering or would like information on volunteer opportunities, please visit our website at www.enrgclub.org.

Congratulations to our **2020 Engineer of the Year, Stephen Hall**, as well!

BEANNACHTÁ NA FÉILE PÁDRAIG!* – LAME TIME!

Just when you think you've finally finished celebrating last St. Patrick's Day, here it is again upon us. And, for that "great day for the Irish," as the song goes, we at *THE NEWS* will cite all things Irish with our annual "Lightly Amusing Message from Eire" (also know as LAME) for your enjoyment.

As you may recall, given the lack of response to contests for this and our Lightly Amusing Yuletide Message (LAYM) for the Christmas season, the staff of *THE NEWS* made an executive decision to no longer conduct such efforts. The consequence of this action is that we are forced to hand the creative pen to your Editor to come up with something. And this is something that always sends a little shiver up our spines, as we never really know where he's going to go with that. This year he's gotten a little lazy (go figure...) and would like to offer a "rerun" (we didn't think it was possible to get more lame, but as this is the LAME-R (R for rerun), it must be...). We liked this one from 2015 so much we wanted to air it out again, so here goes.

Complaints and outrages can be registered at our website, as usual (keep in mind your Editor can get away with this, given his allegedly mainly-Irish heritage).

Here's to the Irish and to those who left that great land
 And went elsewhere to spread a culture that's grand
 For those of you who can't call yourselves Irish
 You can't be one of us but you can always wish
 We'll let you join us with a drink in your raised hand
 Some of our members are Irish, some want to be
 Doesn't matter on St. Pat's Day, when we're all happy
 As one we'll salute with our mugs of green beer
 And for Engineers everywhere we'll shout out a cheer
 From the Officers and Board of Philly ASCE

And...

**Beannachtaí na Féile Pádraig! (ban ochth' thee na fay'le paw' drig) – Happy St. Patrick's Day!*

**ALWAYS REMEMBER THAT
 YOU ARE ABSOLUTELY UNIQUE.
 JUST LIKE EVERYONE ELSE.**

– Margaret Mead

REGION 2 DIRECTOR'S REPORT

Jack A. Raudenbush, P.E., F.ASCE, your Region 2 Director is a member of the Central Pennsylvania Section. Jack will be representing you at the next Society Board meeting in Washington, DC on March 14-15.

Future World Vision. Civil Engineers, in reimagining the world, must adapt how we design, build, operate, and maintain our infrastructure systems.

Using data-driven, in-depth, scenario-planning analysis, Future World Vision puts Civil Engineers in position to lead not just today but five decades into the future. Four types of cities are being imagined:

- Resilient Cities
- Progressive Megacities
- Dispersed Settlements
- Unequal Enclaves

By mapping out key trends and potential outcomes, a projected range of plausible future-based scenarios is being developed. Each scenario models how society might interface with cities, infrastructure, and operational systems, while illustrating what Civil Engineers must do to develop solutions for this changing future.

Future World Vision will help ensure that the decisions we make as Civil Engineers, in building high-tech, resilient, and sustainable communities of the future, optimize desirable outcomes while avoiding undesirable and unintended consequences.

Go to www.Futureworldvision.org to learn more about this exciting undertaking.

REGION 2 MEMBER SHOUT OUT.

NICHOLAS JOHNSON AND PHILIP HARTER OF THE READING BRANCH

Nicholas Johnson works at Great Valley Consultants in Reading. GVC is a small consulting firm focused on Civil and Municipal Engineering in Berks County and surrounding areas. Nick focuses on Environmental and Water Resources Engineering within the Civil Engineering discipline. He has gained valuable field experience in his 12+ year career which broadened his knowledge of other Civil Engineering specialties. He attended Penn State from 2003 to 2007 and joined ASCE in 2009. Nick joined because he wanted to branch out, and to better understand the experiences of other in our broad Civil Engineering industry, and to better serve in the Civil Engineering profession.

Philip Harter is currently juggling overtime, a toddler, and has a second child expected in May. As a Structural Engineer at Worley, Phil has had the opportunity to complete designs of numerous power generating facilities in the U.S. and around the world. Most recently, Phil has been lucky enough to be working on one of the first, major offshore wind power facilities in the United States. Phil joined ASCE during college as part of the Steel Bridge team and participated in the national event at the University of Florida. Phil stayed with ASCE after graduating from Penn State because it supported infrastructure investment and the education of the next generation of Engineers.

Coincidentally, it is interesting to note that Phil and Nick have been friends since 2000, when they met in the 9th grade at Governor Mifflin Senior High School in Shillington, PA.

Please share in my thanks to both Nick and Phil for their involvement in ASCE and to their being part of the resurgence of the Reading Branch.

VISIT AN ASCE DESIGNATED HISTORIC SITE.

These sites illustrate the creativity and innovative spirit of Civil Engineers. Visit <https://www.asce.org/landmarks> to find sites near you. Share photos of your travels with me and I will post in Region 2 correspondence and on our Region's social media pages.

In November, I visited the historic Philadelphia City Hall. This month, I visited the Detroit-Windsor Tunnel which connects Detroit, MI to Ontario, Canada and was completed in 1930. It was the third underwater vehicular tunnel constructed in the United States. It was designed by the firm Parsons, Klapp, Brinckerhoff and Douglas. The tunnel is 5,160 feet in length and at its lowest point, the two-lane roadway is 75 feet below the surface of the Detroit River.

- I look forward to seeing you at ASCE events.
- ASCE National Convention in Anaheim, CA, Oct. 28-31, 2020
 - And your Section and Branch meetings

Enhanced membership. <https://www.asce.org/member-benefits/>

- 10 Fee PDH's
 - Conference, Webinar and Publication discounts
 - Podcasts – ASCE Plot Points — <https://news.asce.org/category/asce-plot-points-podcast/>
 - Mentor Match and Career by Design – especially for Students and Younger Members
- Jack A. Raudenbush, P.E., F.ASCE
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N-ASCE*

FIGHT SNOW – DRINK MORE WINE?

The US spends \$5 billion a year to repair damages to road infrastructure from winter snow and ice control operations and the use of traditional deicers. A team of researchers at Washington State University is developing a more sustainable solution using grape skins and other agricultural waste.

Every year, roughly 27 million tons of sodium chloride, commonly known as road salt, is used on US roadways for winter maintenance. The chlorides do not degrade in the environment and may pose long term environmental risks. Commercial deicers typically contain chemicals that are corrosive toward metals, asphalt, concrete, and pose some risk to aquatic species.

The researchers in WSU's Department of Civil and Environmental Engineering determined that their deicer containing grape extract outperformed commonly used deicers, including road

WILLIAM F. O'DONNELL III

We are sad to report that Bill O'Donnell, one of the founders of O'Donnell and Naccarato, passed away on December 15, 2019. Bill was a dynamic leader, a stalwart supporter, a loyal friend, and an empowering mentor with a vibrant spirit and a calming presence. His "people first" approach is still evident within the firm in both his unwavering support and friendships with our clients. His impact on the construction community in our area was widespread, with the number of people who called him their friend being too many to name. Although this is truly a loss for the firm, his influence and his bright spirit will continue to contribute to its present and future successes for decades to come.

Bill is survived by his wife, Terry, 5 children, 7 grandchildren, one great-grandson, and four brothers. In his honor and in lieu of flowers, the family suggests consideration for memorial donations to Mercy Career and Technical High School (www.mercyctc.org) and Amigos de Jesus (www.amigosdejesus.org) or, alternatively, donation of whole blood and/or platelets through the American Red Cross (www.redcrossblood.org/give.html/find-drive).

DANIEL J. LEINHEISER

We are also sad to report the passing of Daniel Leinheiser on December 27, 2019. Dan retired from Urban Engineers in 2012 after over 30 years at the firm, with a nearly 50-year career in Engineering. He had a long and accomplished career highlighted by his leadership of the Urban's highway design group. He had extensive experience in leading the design efforts on major interstate highways and arterial and local roads on new or existing alignments, and was particularly strong in the management of design teams. He was a graduate of Villanova University, where he earned his degree in Civil Engineering. He helped build Urban's brand and legacy.

While he was not a member of our Section, many of us knew Dan well and worked with him. He is survived by his wife, Agnes, daughter Karen, son Michael, and three grandchildren.

salt and what is thought to be a more environmentally friendly blend of salt brine and beet juice. The team published its results in the December issue of the Journal of Materials in Civil Engineering.

Working to develop a greener additive, the researchers derived chemicals from waste grape skins through chemical degradation and natural fermentation. This process to make the formula produces no waste of any kind. The researchers found that their grape extract-based solution melts ice faster than other deicers and causes significantly less damage to concrete and asphalt, the two most ubiquitous materials used in bridges and roads. The solution also poses less risk to nearby water bodies. It has also successfully

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MEMBERS IN THE NEWS

MARTSOLF CITED AS DELCO ENGINEER OF THE YEAR

The Delaware County Chapter of the Pennsylvania Society of Professional Engineers (PSPE) is pleased to announce **Carol Martsolf** as the 2020 Engineer of the Year. The award is given each year to a candidate who resides or is employed in Delaware County or Southern Chester County, and is evaluated against rigorous criteria including professional achievement and contributions to the community. She was formally recognized during the national celebration of Engineers Week at a banquet on February 20 at the Concordville Inn in Glen Mills.

Carol is the Director of Urban Engineers Training Institute, the national corporate-wide training function of Urban Engineers, including programs for clients. She has developed over 150 technical courses for PDHs for Engineers and has issued over 15,000 PDH credits to students. She currently chairs The Council on Standards Development for the International Association for Continuing Education and Training (IACET).

A graduate of Temple University, and a licensed Professional Engineer (PA) with 26 years of experience, Carol found a passion for helping others, and switched gears into Training and Development midway in her career. Her enthusiasm and dedication for Engineering is exemplified through her work, and her involvement both within her community and in the Engineering world.

As Region 2 Governor of ASCE, she also serves to provide leadership in all matters of diversity and inclusion within the Civil Engineering community.

A long-time resident of Lansdowne, and chair of the Lansdowne Environmental Advisory Council, Carol advises the Borough on ways to conserve resources, and strive for a 100% renewable energy future. The Council has been a great way to combine her interest in the environment and nature, and give back to the community. When not busy with her work, and serving on countless committees, she enjoys exercising, is a four-time marathon runner, and enjoys renovating her home in Lansdowne with her daughter Catherine.

...AND NAMED AS VICE CHAIR OF MOSAIC

Urban Engineers is pleased to announce that Carol Martsolf has been named Vice Chair of the ASCE Members Of Society Advancing Inclusion Council (MOSAIC).

“Carol was an asset to the Committee on Diversity and Inclusion and I’m excited to have her continue with MOSAIC as Vice Chair,” said Dr. Yvette E. Pearson, chair of MOSAIC. “I believe Carol’s passion for equity and inclusion combined with her expertise in leadership and training position her to make strong contributions to ASCE’s efforts toward an inclusive culture.”

MOSAIC evolved from ASCE’s previous Committee on Diversity and Inclusion. It provides ASCE with leadership in all matters of diversity and inclusion within the Civil Engineering community, and implements strategies designed to foster equitable opportunity for full participation of all people within the Civil Engineering profession.



PA REPORT CARD CATEGORY OF THE MONTH: AVIATION

Airports in Pennsylvania are a critical element of the overall transportation network in the region. Generating over \$10 billion in annual payroll and over \$28 billion in output, aviation serves as a key economic generator, crucial to maintaining Pennsylvania’s global competitiveness, and a safety and security asset for its citizens. With a good history of funding, Pennsylvania is developing a modern and safe aviation network, and multi-billion dollar investments are underway in Philadelphia and Pittsburgh that will benefit 90% of enplaned passengers in the state. Both challenges and opportunities remain, particularly with resiliency improvements, the need for consistent funding, and opportunities to develop both hangar and air cargo facility capacity to support growth and a changing economy.

Compelling Statistic: Pennsylvania is developing a modern and safe aviation network to respond to the continually growing demand and need for air travel, and multi-billion dollar investments are underway in Philadelphia and Pittsburgh that will benefit 90% of enplaned passengers in the state.

N-ASCE*

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applied this technology to leaf and plant waste from peonies, sugar beets, dandelions and apples.

The work was supported by the National Science Foundation, the Washington Department of Transportation, and the US Department of Transportation.

Thanks to *Science News* for this information.

...OR SAVE THE WINE AND SACRIFICE MORE BEETS?

When Kansas DOT crews treat highways for ice, especially when it is the coldest, motorists might notice darker trails on the pavement instead of the usual white trails left by brine. This is beet juice. It tends to leave a brownish or grayish residue.

The properties of beet juice, when mixed with brine, allow the melting agent to be effective at lower temperatures. Based on the level of concentration, beet juice mixed with brine can help control ice when it is as cold as around 0 degrees. It also allows brine and salt to adhere to pavement and icy bridge decks. Another beet-juice benefit is that when it is added to brine, the combination makes ice-fighting more efficient because crews do not have to drive out as often

YMF

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At the Awards Banquet on Saturday night, we were fortunate enough to receive the **Peers Group Award**, which was voted on by one delegate from each attending Younger Member Forum (YMF)/ Younger Member Group (YMG). Four groups submitted nomination packages for the award ahead of ERYMC which were reviewed by the delegates prior to voting, and our Section’s group came out on top. We want to thank everybody who continues to be involved and supports our group with the many activities and events we put on throughout the year. The award truly would not have been possible without your help and participation.

Our very own **Cricket Schreppler** was also awarded the distinction of **Outstanding Younger Member in Government Relations** for her role in the preparation of the 2018 PA Infrastructure Report Card.



We would also like to extend a special thank you to the Conference Co-Chairs, **Kevin Brown** and **Joe Natale**, the Conference Planning Committee, the ASCE Philadelphia Section, and of course, the sponsors.

to apply brine.

Experience has shown that as moisture on pavement starts to freeze, the juice slows the process so that the liquid remains slushy longer. That gives crews more time to clear highways before the liquid turns to solid ice. Also, a problem with spreading salt or spraying salt brine on a highway is that it will bounce away or scatter with traffic or the wind. When the beet juice is added to the salt or salt brine, with its sticky texture, it will hold the salt or salt crystals on the highway longer, allowing it to work more effectively.

KDOT began experimenting with the beet juice it uses now during the winter of 2015 in northwestern Kansas. Since then, it has made beet juice available at more than 20 locations across the state.

Thanks to KDOT and APWA for this information.

**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 all of these folks 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, **Mohamed Elghawy** (contact information is provided on page 2).

Audit – Briana Earle

Awards – Bob Wright

Engineers Week Hall of Fame Recognition
– Ruben David

Budget and Finance – Joe Natale

Civil Engineers in Government –
Jeanien Wilson

College Scholarship – Eammon Farley

Communications – Mohamed Elghawy

E-mail Outreach – Andrew Bechtel

Webmaster – Greg Dunn

Social Media – Joe Natale, Michael DeVuono

Newsletter – Bob Wright

Sponsorship – Bob Wright

Continuing Education – Briana Earle

Humphrey Fund – John Zarsky

Membership – Andrew Bechtel

Mural – Angelo Waters

Nominating (for Board Positions) –
Kazi Hassan

Program – Jen Reigle

Venue Coordination – Troy Illig

Project Build – Tania O’Kane

Report Card Promotion – Cricket Schreppler

Society Relations – Cathy Farrell

Region 2 Director – Jack Raudenbush

Region 2 Governors – Carol Martsof,
Angela Marie Mayer, Carrie Nicholson,
Patrick Sullivan

Region 2 Younger Member Representative –
OPEN

PA Council – Cathy Farrell, Bob Wright

Legislative Affairs – Spencer Finch

Subsidiary Groups – Briana Earle

Construction Management –
Dennis MacBride

Delaware Valley GeoInstitute – Russ Preuss

Environmental and Water Resources –
Eric Lindhult

Structural Engineering Institute – Dan Kucz

Transportation & Urban Development –
Bill Thomsen

Younger Member Forum – Jesse Gormley

Spring Social Committee – Troy Illig

YOUR CARD CAN BE HERE!

CONTACT US AT
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FOR DETAILS

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