SECTION MEETING SCHEDULE 2019-20

The Section Meeting program for the upcoming season continues to be tweaked and formalized, and our meeting program committee is busy lining up speakers and topics for what should be an interesting and informative series of meetings. As we usually do, we have provided more detailed information for the next two meetings, with dates and other “look-ahead” information known at this time provided below for future meetings, for your planning purposes. We would suggest that you use this to mark your calendar at this time and hold these dates.

As always, you are welcome to attend the meeting presentation without dinner at no charge if you prefer to do so.

Information on future meetings this season as of this printing are:

2020

January 15 (Wednesday) – Joint Meeting with American Society of Highway Engineers, Delaware Valley Section Radisson Hotel /Valley Forge Casino, Valley Forge. Cocktails 6 PM, dinner 7 PM, meeting 8 PM

February – In planning stages

March 12 – Maggiano’s Little Italy, Center City Comcast Tower Construction

April 9 – Multi-topic meeting/breakout sessions, in planning stages

May – Spring Social, in planning stages

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.

You are remembered for the rules you break.

– Douglas MacArthur

NOVEMBER DINNER MEETING
American Society of Civil Engineers, Philadelphia Section

THURSDAY, NOVEMBER 14, 2019

Maggiano’s Little Italy, 1201 Filbert Street (corner of 12th Street), Center City

Cocktails 5:30 PM, Dinner 6:30 PM, Meeting Presentation Follows (approximately 7:30 PM)

SUBJECT: Runway Rehabilitation at Trenton Mercer and College Park Airports

SPEAKERS: Kirsten Brown, EIT and Dale Russell, PE, Urban Engineers, Inc.

RESERVATION DEADLINE – THURSDAY, NOVEMBER 7. The cost per attendee is $40, with a half-price ($20) cost for government agency employees and students, for reservations received by this deadline.

Reservations can be made through our website (www.asce-philly.org) and paid via PayPal. This option will NOT be available after the reservation deadline. Payment for reservations by check (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 our commitment with 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.

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.

As always, guests will be welcome to attend the presentation without dinner at no charge. This will be subject to room capacity constraints.

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.

SPECIAL FEATURE: Temple University Night – The ASCE Student Chapter, Faculty and Alumni of the Department of Civil and Environmental Engineering of Temple University will be highlighted at this meeting. All Faculty, Alumni and Students are cordially invited to attend and participate.

Continued on Page 2

DECEMBER MEETING
MULTI-SOCIETY JOINT MEETING

TUESDAY, DECEMBER 10, 2019

DoubleTree by Hilton Philadelphia Center City, Broad and Locust Streets

Cocktails 5:30 PM, Dinner 6:30 PM, Presentation follows

Our Section will join this effort, sponsored by the Engineers’ Club of Philadelphia, along with several other technical societies, as we have done for the past several years. Please note this time the event will be a dinner meeting (a change from the past few which were conducted at lunchtime).

More information and details on the event will be provided in the December edition of THE NEWS.
NOVEMBER DINNER MEETING
Continued from Page 1
Runway rehabilitation projects restore the pavement surface and extend the life of an airport runway. These types of projects are undertaken within tight schedules to minimize impacts on airport operations. Urban Engineers led the recent design and construction of runway rehabilitation projects at two public airports, each of which serve a different type of aircraft. Trenton Mercer Airport is a small commercial service airport in New Jersey with significant private corporate jet usage, while College Park Airport is a very small recreational airport in Maryland with primarily single engine propeller aircraft usage. This presentation session will discuss the design, permitting, and construction of the two projects, highlighting the differences in each project’s approach as well as the unique funding challenges faced.

Ms. Brown is a Project Engineer and Mr. Russell is a Deputy Practice Leader in the Aviation Division at Urban Engineers. They are part of the project team addressing and managing these efforts. They are part of the project team.

The October dinner meeting, along with other lunch/dinner meetings offered by our Technical Groups, has resulted in five events that provided Professional Development Hours (PDH) this early in the season. We have many more events planned for the upcoming months and hope you can join us as we all learn together.

Last month, I shared my background story with you all to give you an idea that I might see the world a little differently. You all have your own stories and it’s important for all of us to respect and understand the different life experiences everyone has been through because that’s what makes each of us unique. We can all accomplish this by discussing Diversity & Inclusion (D&I). Our Younger Member Forum has created a Task Committee on D&I and they will create a path forward for our Section to promote D&I in our Civil Engineering community. If you have any ideas for our D&I committee or if there are topics you would like us to consider, please reach out to me.

“I challenge us all to have the courage of our convictions to fight for a fair, justice and inclusive society.”
—Opal Tometi

Best,
Kazi M. Hassan, PE
President, ASCE Philadelphia Section
kazihassan@pennoni.com | 215-254-7720

THANKS TO OUR SPONSORS
Our Section Sponsorship program is off and running once again, with 11 firms participating at this early point in the season. 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 neweditor@asce-philly.org for more details.

ENGINEERS WITHOUT BORDERS LOOKING FOR NEW MEMBERS
The Philadelphia Professional Chapter of Engineers Without Borders (EWB) is looking for new members. EWB provides many different opportunities for volunteer work and professional development. Opportunities include: international development projects in third world countries, local projects in distressed areas, mentoring of local EWB student chapters, tours, and lectures. Social events and fundraising activities are also held throughout the year. For further information, visit the website at www.ewb-philly.org and/or send a message to info@ewb-philly.org.

Contact Us:
President—Kazi M. Hassan, PE
Highway Group Leader
Pennoni Associates, Inc.
1900 Market Street, Suite 300
Philadelphia, PA 19103
215-254-7720; kazihassan@pennoni.com

Secretary—Mohamed Elghawly, PE
Construction Manager
Traffic Planning & Design, Inc.
Sanatoga Commons
2500 E. High Street, Suite 650
Pottstown, PA 19464
610-326-3100; meghawly@trafficpd.com

PUBLICATIONS COMMITTEE
Editor of THE NEWS
Robert Wright

Section Outreach Coordinator
Mohamed Elghawly

Staff Writers
Assunta Daprano, Lindsay Chatseauvert

SEND COPY TO:
ASCE, c/o Urban Engineers, Inc.
530 Walnut Street
Philadelphia, PA 19106

COPY DEADLINE FOR DECEMBER 2019 ISSUE
NOVEMBER 15, 2019
YOUNGER MEMBER FORUM NEWS

Assunta Daprano, Forum Editor
Jesse Gormley, Forum President 2019-20
Pennoni Associates
jgormley@pennoni.com

ASCE STUDENT CHAPTER LEADER MEETING
SEPTEMBER 24

YM College Contact Co-Chairs, Tyler Farley and Paige Glassman, met with ASCE student leaders from Drexel University, Temple University, Widener University and Villanova University at Drexel on September 24 to discuss the upcoming school year. Tyler and Paige explained this year’s upcoming #ASCEMadeMe Challenge, ASCE Sustainable Solutions Challenge, the YMF Mentorship Program, upcoming events, and Student Chapter proceedings, including the Student Chapter presentations at the upcoming Section Dinners.

Potential event ideas were discussed, such as mini versions of the larger ASCE regional competitions, Engineering Field Day, additional student-only construction tours, and CADDD workshops. The Chapter leaders brainstormed qualities about each of their respective programs, and would enjoy future meet-ups among the different Student Chapters. Drexel’s ASCE Student Chapter was recognized as the winners of the 2018-19 #ASCEMadeMe Challenge, and the certificate reward will be presented at the ASCE College Bowling event on October 23.

The following students will represent their respective Chapters in leadership positions:

Drexel University: Marina D’Souza, President Callan Daley, Vice President
Temple University: Jan Nelson, President Cassandra Snook, Vice President
Widener University: Edward DePaola, President Hannah Booz, Vice President
Villanova University: Brinn Hindermeyer, President Peter Stiles, Vice President

ECP MULFORD CLASSIC GOLF OUTING
OCTOBER 14

Members of the YMF participated in the Engineers’ Club of Philadelphia Mulford Classic Golf Outing at the Bala Golf Club. The threesome included Kirsten Brown, Kevin Walsh and Dennis Wilson, each of whom sported the new YMF golf shirt. Attendees enjoyed 18-holes of golf in beautiful October weather. During the awards dinner, the YMF was presented with the inaugural Affiliate Challenge Cup with an impressive 8-under-par round! Congratulations Kirsten, Kevin and Dennis!

TIME TO PAY YOUR DUES (AGAIN…)

By now you should have had your dues statement/invoice for 2020 for a few weeks. Even though it probably seems as if you just paid this, it’s renewal time once again. As noted on the invoice, you can pay by check or electronically. Either way, please don’t forget to pay your ASCE and Philadelphia Section dues (both are due on January 1, with some incentives currently being offered for early renewal).

HOLD THESE DATES
ENGINEERS WEEK EVENTS SCHEDULED

The Engineers’ Club of Philadelphia, through its Delaware Valley Engineers Week Committee, will be celebrating Engineers Week 2020 from February 13 through February 22. 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 13 (two days before National E Week begins). At this event, we will introduce and formally induct the Delaware Valley Engineer of the Year 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 on Tuesday, February 18. This is a networking and social event to cite the newly-induced 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 recently-revamped Engineers’ Club website, www.engrclub.org, for more information and updates.

NEWS FROM ASCE NATIONAL

“INCREDIBLE JOURNEY” TAKES GUNALAN INTO ASCE PRESIDENCY

Kancheepuram Gunalan’s ASCE presidential year started with a beautiful speech … by his children. “When I look at my father now, with everything in the past stripped away, I don’t see him for what he’s done but for who he is,” his daughter, Pallavi Gunalan, told the crowd on October 12 at the ASCE National Convention in Miami. “I see him for his empathy and his kindness.”

Gunalan, Ph.D., P.E., D.GE, F.ASCE, better known as “Guna,” was inducted as the 2020 National President during the Society’s annual business meeting at the Convention, taking the ceremonial gavel from Robin Kemper. Both Pavalli and Guna’s son, Kabilar, spoke with love and respect for their father before attendees gave him a standing ovation.

“It is, as they say, unreal,” Gunalan said. “When I look back to see where I started and where I am now, to lead the organization, to represent the profession and the members, it’s unbelievable. It’s been an incredible journey so far, and I’m looking forward to an amazing one ahead of us too.”

He is senior vice president of alternative delivery at AECOM, based in Salt Lake City, Utah. Born and raised in India, the son of a former member of Indian Parliament, Gunalan came to the United States in the early 1980s to pursue his Civil Engineering education and career.

Gunalan uses the word “coalesce” as a touchstone for what he hopes to help ASCE accomplish during his presidential year, and noted, “We want to focus our attention on specific things that are going to have a high impact. We must continue to stay nimble,” Gunalan said.

Pay Your Dues (continued)

Keep in mind that your membership entitles you to be eligible for ASCE Member Advantages. These encompass benefits in several member discount programs including professional liability insurance, life insurance, credit cards and banking services, and rental car discounts. ASCE always looks to negotiate the best deal for members. Similarly, when members save through these programs, ASCE earns revenue that helps keep your dues rates as low as possible. Please check asce.org for the details on these offers and programs.

There are additionally a number of free eLearning Webinars available to help you develop critical career skills, with topics covering a broad range of technical interests, leadership development tools, and key member programs. Many of these offer professional development hour (PDH) credit that you may need for your license renewal. Often these PDH’s are valid in states such as Florida and New York, which are not all that easy to obtain given those states’ pre-approval requirements. In the past year the number of free PDH courses has doubled (from 5 to 10), so this is indeed a valuable benefit.

Your dues are vital to the support of our Section’s activities. We appreciate your ongoing support.
School funding debt in Pennsylvania is ranked Number 15 on the Philadelphia Business Journal’s List of Woman-Owned Businesses in the Philadelphia region for 2019. Research for the List is conducted annually by the Business Journal and ranking is determined based on the business revenue of the company for the previous year. JBC has consistently ranked among the top 25 woman-owned businesses in the Philadelphia area since the construction management firm entered the list in 2003.

“The success enjoyed by JBC Associates is a direct result of the hard work and commitment to excellence that is a hallmark of our organization. I recognize that every employee at JBC has done their part to make this accomplishment possible,” says Janet Cunningham, President and CEO of the firm.

JBC is nationally certified as a Woman-Owned Business by the Women’s Business Enterprise National Council (WBENC). JBC is one of the Commonwealth’s largest and most respected woman-owned professional construction management firms. Last year, it celebrated its 30th Anniversary. The firm provides project management, construction management including CPM scheduling, construction inspection, contract administration, and dispute resolution services to government, institutional, and private sector clients. To view the List of top woman-owned firms in the Philadelphia region, visit - https://www.bizjournals.com/philadelphia/subscriber-only/2019/09/13/philadelphia-metro-area-women-owned.html. We congratulate the firm on this honor!

other automakers and the public, and the first federal law in the US mandating seatbelts was passed in 1968.

The three-point belt has since gained inertia reels, which lock the reel during hard deceleration, pretensioners, which quickly cinch the belts tight during an impact, load limiters, which reduce forces on an occupant’s chest by allowing the belt to pay out in a controlled manner during a crash, and even built-in airbags to distribute loads across a larger area.

Despite those advancements, the three-point belt’s basic design hasn’t changed since Bohlin created it. Today the safety device is required equipment on every new car, truck, and SUV. It is a primary restraint system, as opposed to airbags, which are deemed supplemental restraints, because they supplement the belts. You should wear Bohlin’s device every time you get into a car, because as mundane as it might seem, what happens should you decide not to wear it is anything but.

Thanks to Car and Driver for this information.

*N-ASCE – Not always something concerning Engineering...
**OCTOBER SECTION DINNER MEETING**

October 10, 2019  
*Edge Hill Road and Tyson Avenue Improvement Project*  
by Jennifer Reigle, Section President-Elect, and Robert Wright, Editor, THE NEWS

Our Section opened its 107th season in good form on a pleasant early-fall day at one of our favorite meeting spots, Maggiano’s, where those who have been here for past meetings know to come hungry. And over 90 of them did, many catching up after not having seen each other during our summer hiatus. President Kazi Hassan had the unenviable task to get folks away from the bar and conversations and into their seats to get the evening under way.

After the “Italian feast” flowed forth and dinner was winding down, President Hassan returned to front and center for a few announcements and reports, calling upon others to help as needed. Two of those others were representing the featured Student Chapter of the evening, Widener University, and a good-size contingent of students wandered to Center City from campus to be there for the honors, bringing their professor, Dr. Vicki Brown, with them. Student Chapter President Brinn Hindermyer and Vice President Peter Stiles tag-teamed a short presentation on the many things going on at Widener.

President Hassan then asked President-Elect Jennifer Reigle to introduce the evening’s featured speakers, Debra Ferraro, PE, Associate Vice President/Transportation Division Manager, and Ian Edison, Project Engineer, both of Pennoni Associates, who would be co-presenting on the Edge Hill Road and Tyson Avenue Improvement Project in Abington Township. Ms. Ferraro was first-up and explained the project need and timeline. It began in 2004 as a feasibility study to examine these parallel roadways in the Township, which combine to provide an essential link across the Ardsley and Roslyn areas in the central portion of the Township and serve as good regional connections to and from nearby employment and shopping centers. The feasibility study was completed in 2010. After some consideration by the Township, Pennoni was given the go-ahead to enter preliminary design in mid-2015 and completed the construction bid package last year.

The effort was proposed to create a one-way couple of sorts. Edge Hill Road would become one-way northbound, but the much wider Tyson Avenue would continue to be a two-way route. Ms. Ferraro outlined the extent of the work, which would also address severe overland drainage flow and impact over 200 properties that front each of these roadways as well as several side streets that connect the pair. Drainage improvements would need to take the parallel SEPTA Warminster Regional Rail Line right-of-way into account, which is to the west of Tyson Avenue and at the bottom of the grade in this area. Drainage would be contained and handled in a Township park near the railroad. The roadway work would affect over 350 residents within the corridor, and one-on-one meetings were arranged with all of them to go over the proposed work. Grades were a constant concern and driveways would need to be adjusted and accommodated throughout the corridor, which meant that property owners would need to be contacted and give consent. Ms. Ferraro explained the various community and stakeholder meetings that were held during project design and development to get buy-in and acceptance. With the proposed reconfiguration and changes in traffic directions, Pennoni illustrated how this would impact local residents for trips within the corridor, many of which would be slightly longer than current, particularly for those on Edge Hill Road. She showed several examples of driveways and stone walls along property frontages that would need to be addressed to make the overall improvement plan viable. Agreements were able to be reached and the project is currently moving forward in construction at an overall cost of $17 million.

Mr. Edison added some facts and figures on the impacts of work on each property, the handling of drainage and creation of retention areas, flow diverters, and other details. He noted that a fairly complex maintenance and protection of traffic plan had to be developed to reflect the interrelation of various phases and stages of work. Additionally, the informal parking spaces frequently added onto Edge Hill Road by property owners would need to be removed but the proposed cross section provides parallel parking and shoulder space for this in addition to a sidewalk for pedestrian accommodation (which, on Edge Hill Road, is currently in the roadway). On Tyson Avenue the much more generous roadway width will be better to accommodate traffic throughout construction.

Several questions were asked about the design and coordination process and quite a few attendees commented on the amount of effort needed to complete such a challenging project.

President Hassan, who worked on the project as well, thanked the presenters and gave them each our Section speaker recognition gift for their efforts.

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**ENVIRONMENTAL AND WATER RESOURCES TECHNICAL GROUP MEETING**

**THURSDAY, NOVEMBER 7**

**SUBJECT:** PennDOT Stormwater Control Measures Maintenance and Inspection Program  
**SPEAKER:** Susan Giannantonio, PE, CPESC, NTM Engineering  
**LOCATION:** Pepper’s Restaurant, 239 Town Center Road, King of Prussia  
**TIME:** 5:30 PM registration, 6:00 PM dinner, presentation follows  
**COST:** members $35, government employees and students $25  
**RSVP** by Wednesday, November 6

PennDOT installs Stormwater Control Measures (SCMs) to control stormwater runoff from the highway system and supporting facilities owned by the Department. SCMs are physical features designed to slow down, reduce, and/or treat stormwater runoff before it enters waterbodies and groundwater. These features are a subset of Best Management Practices (BMPs), which are effective and practical means of preventing or minimizing pollution.

Once constructed, SCMs require routine maintenance, periodic inspections, and as-needed corrective maintenance to ensure they continue to function as designed. In compliance with PaDEP’s NPDES and MS4 permitting requirements, PennDOT has released a new publication outlining the Department’s new standardized SCMs inspections and maintenance program. The presentation will highlight the key components of the program including the SCM inventory database, field inspections, and various maintenance activities described in the publication.

Reservations and payment can be made by PayPal at our Section’s website (asce-philly.org). Payment for reservations by check can be made at the event (checks should be made payable to “Philadelphia Section ASCE”). Contact Eric Lindhult (215-852-0068 or eric.lindhult@gmail.com) if you have any questions or if you will be unable to attend after you have registered.

Attendees are eligible for one (1) Professional Development Hour (PDH) for attending this presentation.

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*Never interrupt someone doing what you said couldn’t be done.*  
— Amelia Earhart
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
Budget and Finance – Joe Natale
Civil Engineers in Government – Jeanien Wilson
College Scholarship – OPEN
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 Reigel
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

The only way to prove that you’re a good sport is to lose.
– Ernie Banks