President’s Message

Dear PSPE Chapter Members,

The lingering waft of burnt diesel fuel on a chilly morning always triggers nostalgic memories of waiting for the school bus as a kid. I have memories of standing at the end of the driveway with my Knight Rider lunch box and brand-new Trapper Keeper with the excitement I felt before a new school year and dreaming of what the year will bring. As the Chapter President, it’s this kind of excitement the new year of PSPE brings for me.

We are planning some exciting things for your Chapter this year. However, we need selfless people who are willing to volunteer their time to make the Chapter events a success. There are several vacancies in key positions that desperately need to be filled (see page 5), such as MATHCOUNTS Coordinator, Financial Secretary, and Sustaining Associates Chair. If you would like to get more involved in this organization and want to volunteer for one of these positions, please let me or another board member know, and we can give you more information.

Please try to attend the Chapter meetings and bring along a friend or coworker and encourage them to join. Many people are unaware that our Chapter exists, so I am asking each member to spread the word and encourage people to join. Please print the dinner meeting flyer in this newsletter and post it in your offices or email it to your coworkers.

Be sure to check out the calendar at the end of the newsletter for upcoming events.

Sincerely,

Ed Telega, PE
President 2019-2020
Pittsburgh Chapter – PSPE
ETelega@mbakerintl.com
Formerly known as the Apprenticeship Program, our Engineering Careers Connection program began with an Orientation Meeting on September 11 at 9:00 a.m. at the Allegheny Intermediate Unit (AIU) Building at 475 E Waterfront Drive in Homestead.

Serving all Allegheny County schools, this year the AIU assembled a group of 35 sophomores, juniors, and seniors for our Engineering Careers Connection Program. These students are assembled into five regional groups based on their high school’s location. Chapter volunteers David Briskey and Kirk Thompson welcomed the students and described their personal engineering experiences. For the next five months following orientation, the five groups visit various local companies who interact with students and talk about their product, services, and engineering profession.

The first tour was held September 25 at Pittsburgh International Airport. Joseph Amuso, Civil Project Manager with the Allegheny County Airport Authority, provided a brief PowerPoint presentation on the history of Pittsburgh’s airports, including the 1992 New Terminal project as well as the Terminal Modernization Project planned for completion in 2023. Following the presentation, students toured the airport facilities, which included the TSA Main Checkpoint; the Emergency Operations and Command Center; and an escorted bus tour of the Central Runway, an Airfield Electric Vault, and the Energy Center.

Two students will be selected to provide a written report to the Chapter on the activities and facilities they observed and what contributions engineers provide at the airport.

The next planned host company visits include Philips Healthcare located in the Oakland section of Pittsburgh on October 7 and Michael Baker International in Moon Township on October 15.
The 85th annual State Conference held by Pennsylvania Society of Professional Engineers (PSPE) opened with a greeting from our host, Bethlehem Mayor Robert J. Donchez. Under the shadow of the former blast furnaces that helped produce steel for the Golden Gate Bridge, Mayor Donchez talked about the city’s rebirth centered around the redevelopment of the 1,800-acre site formerly utilized by Bethlehem Steel Works. He shared information about the large number of employees who work within the footprint along with the types of tenants: Wind Creek Casino, outlet stores, a concert venue, and medical buildings. Attendees saw the fruits of this redevelopment as they attended one of three conference tracts earning them up to 12 PDH credits for their continuing education requirements.

The first session in the Civil/Structure tract was a presentation by Hill International’s Senior Project Manager, Dave Briskey, PE, on the rehabilitation of the Andy Warhol Bridge in Pittsburgh. This bridge has several unique features. It was the first of three “sister” bridges built across the Allegheny River; it was the first self-anchored suspension bridge built in America; and its unique location in the Golden Triangle makes it visible in almost every image of Pittsburgh. Dave showed photographic progress of five key activities: painting, stiffening girder upgrades, structural steel repairs, concrete deck replacement, and retrofit of the tie-down bearings. Dave shared Lessons Learned as the project encountered unexpected conditions related to steel repairs, tie-down load conditions, and navigational clearances. All obstacles were overcome in time to open the bridge for Light Up Night 2017, Pittsburgh’s annual start to the holiday shopping season! A fun fact about the bridge is that it appears on postcards in similar fashion to Warhol’s silkscreen artwork, and it just appeared on wine labels. Several bottles were awarded to attendees who could answer the technical questions at the end of the presentation!

Other technical sessions covered Accelerated Bridge Construction on the I-78 Bridge Underclearance Project, South Valley Parkway Update, Document Management and Discovery, Variable Refrigerant Flow, Replacement of Tram MG Sets with Variable-Speed Drives at the Gateway Arch, Luzerne County Emergency Response to Tornado, and Behind the Scenes Casino Tour (sorry, HVAC only – no gambling tips!).
Attendees also witnessed the Order of the Ring ceremony for five new members. This ceremony fosters a spirit of pride and responsibility in the engineering profession, and the ring is a visible symbol identifying the engineer. The Order is similar to the Canadian Order that was started in 1926 following two separate collapses of the Quebec Bridge during construction in the 1910’s, killing 85 people. The ring is a reminder to place public welfare above all else.

Rick Guerra PE, NSPE Vice President, gave an impassioned update on the Mission, Vision, and Goals of NSPE. Everything is centered around the Values of Ethics & Accountability, Qualifications, Professional Advancement, and Unity. The conference concluded during the Friday evening banquet when the new PSPE Board was sworn in. Two Pittsburgh members are on the Board. Jennifer Nolan-Kremm began serving her fourth term as Vice President. The new twist is that it is the first year of the new West Region, which was formed by the merger of Northwest and Southwest Regions. Dave Briskey, PE, began his third term as Secretary, and they both saw full service on Saturday morning when the first state-wide Board Meeting was held for the upcoming 2019-2020 term.
REQUEST FOR SUSTAINING ASSOCIATES
Pay your 2019 Dues and Become a Sustaining Associate Now

Becoming a Sustaining Associate in the Pittsburgh Chapter of PSPE provides tools to accomplish corporate objectives and more. Through the financial support of our Chapter Sustaining Associates, the Chapter can continue to provide many services to the Pittsburgh engineering community as well as sponsor excellent outreach programs to the students in our area. It is imperative in today’s world to get and keep students interested in the science- and engineering-related fields in middle and high schools. Our outreach programs include the Engineering Apprenticeship Program, the MATHCOUNTS Program, and participation in several activities at the Carnegie Science Center during National Engineers’ week.

The Pittsburgh Chapter is proud to offer the following advantages and benefits of becoming a Sustaining Associate in the Pittsburgh Chapter.

SUSTAINING ASSOCIATE MEMBERSHIP ADVANTAGES

✓ Member firms may provide an article for the newsletter highlighting their firm’s projects, individual accomplishments, services, products, or technical capabilities. The newsletter circulation reaches 300+ engineers, managers, and company officials and is published on the Chapter website.
✓ Member firms may advertise positions available within their firm in the newsletter and on the website free-of-charge.
✓ Member firms may be listed on the Pittsburgh Chapter, PSPE’s Internet Website, free-of-charge. A link to the company’s website can be included.
✓ Member firms that employ personnel preparing for the Principles and Practice of Engineering (PE) and Fundamentals of Engineering (FE) Examinations are entitled to a 20% discount on the Chapter’s review courses for the exams.
✓ Representative(s) of member firms are permitted to attend regular Chapter Business Meetings and are invited to the Chapter Meetings. Our Chapter presently offers a minimum of four (4) meetings with one (1) qualified PDH for continuing education requirements to maintain a Pennsylvania PE license.
✓ Member firms are recognized as Sustaining Associates in our PSPE Newsletters and at the Annual Engineers’ Week Banquet held each February.

The following are the current Sustaining Associates:

D&D Engineering, Inc.
HDR Engineering, Inc.
Michael Baker International, Inc.
SAI Consulting Engineers, Inc.
Stantec Architecture and Engineering LLC

To become a Sustaining Associate, please complete and return the “Application for Sustaining Associate Membership” on the next page.

TO PAY YOUR 2019 DUES, please mail a check for $350 payable to “PSPE Pittsburgh Chapter” to PSPE, Pittsburgh Chapter, 337 Fourth Avenue, Pittsburgh, PA 15222.
## 2019-2020 Calendar

### PSPE Membership Events & Meetings

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Description</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/24/2019</td>
<td>5:30 – Cocktails 6:30 - Dinner</td>
<td>Dinner will be followed by <em>Presentation on Eastvale Dam Failure</em></td>
<td>ESWP</td>
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<tr>
<td>11/21/2019</td>
<td>5:00-6:00</td>
<td>Board Meeting</td>
<td>Michael Baker</td>
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<tr>
<td>1/16/2020</td>
<td>TBD</td>
<td>Dinner Meeting</td>
<td>ESWP</td>
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<tr>
<td>2/27/2020</td>
<td>5:00-6:00</td>
<td>Board Meeting</td>
<td>Michael Baker</td>
</tr>
<tr>
<td>3/19/2020</td>
<td>TBD</td>
<td>Dinner Meeting</td>
<td>ESWP</td>
</tr>
<tr>
<td>4/23/2020</td>
<td>TBD</td>
<td>Joint Dinner Meeting with Beaver Chapter PSPE</td>
<td>Cefalo's</td>
</tr>
<tr>
<td>5/21/2020</td>
<td>4:30-6:00</td>
<td>Board Meeting and Possible Installation of Officers</td>
<td>Michael Baker</td>
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### CLC Meetings

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/18/2019</td>
<td>8:00 am</td>
<td>Anita Kulik (State Representative 45th District)</td>
<td>Master Builders’ Association</td>
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<tr>
<td>11/15/2019</td>
<td>8:00 am</td>
<td>Pam Iovino (State Senator 37th District)</td>
<td>Master Builders’ Association</td>
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<td>1/17/2020</td>
<td>8:00 am</td>
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<td>Master Builders’ Association</td>
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<tr>
<td>2/21/2020</td>
<td>8:00 am</td>
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<td>Master Builders’ Association</td>
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<td>3/20/2020</td>
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<td>Master Builders’ Association</td>
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<tr>
<td>4/17/2020</td>
<td>8:00 am</td>
<td>TBD</td>
<td>Master Builders’ Association</td>
</tr>
<tr>
<td>5/2020</td>
<td>8:00 am</td>
<td>CLC Bus Tour and Legislative Breakfast</td>
<td>Master Builders’ Association</td>
</tr>
<tr>
<td>6/19/2020</td>
<td>8:00 am</td>
<td>TBD</td>
<td>Master Builders’ Association</td>
</tr>
</tbody>
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## 2019-2020 Chapter Officers

- President – Ed Telega, PE
- Treasurer – Justin Kramm, PE
- President-Elect – Melissa M. Fontanese, PE
- Financial Secretary – Vacant
- Vice President – Stephen Shanley, PE
- Immediate Past President – Keenan Sukits, PE
- Executive Secretary – Brian Schull, PE

## 2018-2022 Chapter Directors

- Angela Mayer, EIT – 2019-2021
- Charles Grabner, PE – 2020-2022
- Brian Krul, PE – 2018-2020

## Chapter Committee Chairs

- Refresher Course – Matthew Kusic, PE
- Sustaining Associates – Vacant
- Young Members – Jason Esser, PE
- Website Coordinator – Melissa Fontanese
- Newsletter – Brian Schull, PE
- MATHCOUNTS Coordinator – Vacant
- Apprenticeship – Dave Briskey, PE

## State Officers

- State Secretary – David Briskey, PE
- State Director – Kirk Thompson, PE
- Vice President-Southwest Region – Jennifer Nolan-Kremm, PE
- Immediate Past President – Joseph Boward, PE