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 Kerry Henneberger, P.E.  
 khenneberger@larsondesig  
 group.com

President-Elect  
 Brandon R. Motuk, P.E.

Vice President  
 Tim Carre, P.E.

Secretary  
 Brian Williams, P.E.  
 briwilliams@HNTB.com

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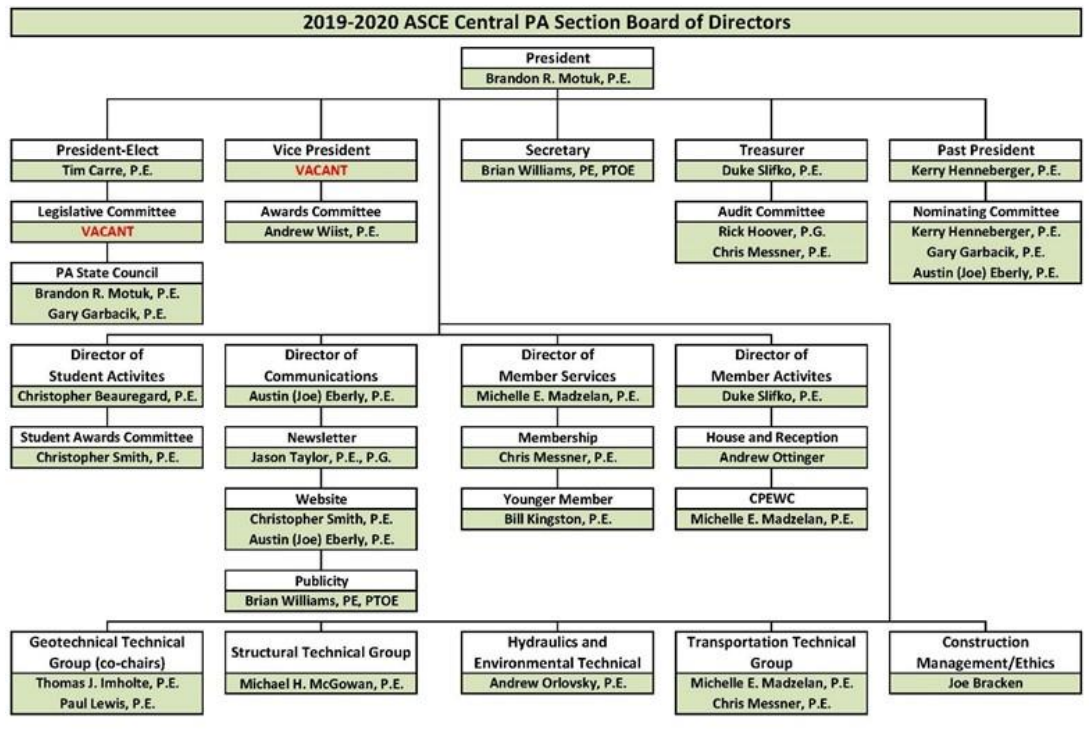
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**President's Message**

Happy Summer! This is the time of year that we take a break from our monthly Section meetings. I have officially moved on to my new role as past president but am finishing my duties of one last message. We had a successful year with well attended events that included six dinner meeting presentations, webinars or live presentations from each of the technical groups, the 3rd Annual PA SEI ½ Day Technical Conference, Annual Legislative Day and numerous Younger Member Group socials. The Board will be meeting soon to plan for the upcoming year, so stay tuned for announcements of upcoming events.



I would like to take this opportunity to introduce our 2019-2020 Board of Directors. These are the members who volunteer their time to serve and help keep our Section running smoothly. I would encourage everyone to think about becoming more involved. By volunteering with ASCE you have a great opportunity to develop both personally and professionally while creating a great professional network of friends and colleagues. If you are interested in any of the available positions or would like additional information, please contact Brandon Motuk ([bmotuk@yahoo.com](mailto:bmotuk@yahoo.com)) or one of the board members.



**WELCOME NEW PROFESSIONALS:**

Eman Shahat  
Jacob Martin  
Vijay Varadarajan  
Nicholas Locke, P.E.  
Mark Guida, P.E.

**WELCOME NEW STUDENTS:**

Michael Fitch  
Min Liew  
Yong Huang  
Jillian Foster  
Katherine Schopman  
Tyler Vermilyen  
Mariyam Amir  
Devon Huber  
Nawaf Alsanad

If you haven't heard, Jack Raudenbush, P.E. has been elected as Region 2 Director. Jack is a Central PA Section member and will be a strong advocate for us as he serves in this important role. Congratulations Jack!

I would also like to thank our 13 sponsors for this past year, many who have graciously and consistently supported our Section. Sponsorship includes a business card size ad in the newsletter, on display at the dinner meetings and on the website. Sponsors can also post jobs and press releases on the website and in the newsletter. Feedback from sponsors receiving applications from job postings has been positive. I encourage you to visit their websites. To our members firms please consider renewing your sponsorship or becoming a new sponsor.

It has been an honor to serve and I look forward to seeing everyone at future events.

Sincerely,

Kerry E. Henneberger, P. E., M. ASCE  
2018-2019 Central PA Section President  
[khenneberger@larsondesigngroup.com](mailto:khenneberger@larsondesigngroup.com)

## ASCE Central PA Section Participates in Legislative Day

*Submitted by: Kerry Henneberger, P.E., Section President*

On Tuesday, April 30<sup>th</sup>, a group of nine volunteers from all four Sections that are part of the PA State Council gathered in Harrisburg to meet with our state legislators. After a breakfast and issue briefings, members embarked on the Hill to discuss transportation and storm water issues. Eighteen meetings were held to emphasize solutions offered in the 2018 Report for Pennsylvania's Infrastructure to help improve the infrastructure grades. Discussions included the need for increased funding for water/wastewater/stormwater infrastructure, transportation issues related to Act 89 and status of current House Bills related to stormwater management plans and facilities.

Thank you to the volunteers pictured to the right who participated in the event:



**Dave DiGioia (Pittsburgh), Kerry Henneberger (Central Pennsylvania), Dion Campbell (Lehigh Valley), Chris Messner (Central Pennsylvania), Bob Wright (Philadelphia), Dave Weiller (Lehigh Valley), John Caperilla (Lehigh Valley), Angelo Waters (Philadelphia), Mohamed Elghawy (Philadelphia)**

## Waterway and Wetland Permits

*Submitted by: Kerry Henneberger, P.E., Section President*

The Environmental and Water Resources Technical Group hosted a live presentation on May 7, 2019, at Gannett Fleming in Camp Hill on the topic of Chapter 102 and Chapter 105 Permits in Pennsylvania. The presenters, Mr. Edward Muzic, P.E., Section Chief for Chapter 105 Permits and Mr. Nathan Phillips, P.E., Section Chief for Chapter 102 Permits are both employed with the Waterways and Wetlands Program at the PADEP Southcentral Regional Office. The focus of the presentation was completeness reviews for Chapter 102 and 105 applications. The presenters discussed common errors and tips on how to submit a complete and technically adequate application.



The event was well received with 40 attendees present. The event was FREE for ASCE members and \$20 for non-members. Food and beverages were provided courtesy of the Central PA Section of ASCE. The Section would like to thank Mr. Muzic and Mr. Phillips for this informative presentation. We also thank Andrew Orlovsky, Technical Chair, for arranging the speakers, Bill Kingston and Chris Messner for handling the logistics, and Gannett Fleming for hosting the event.





## Structural Engineering Institute (SEI) Holds 3rd Annual ½ Day Technical Conference

*Submitted by: Mike McGowan, P.E., SEI Chair*

On Thursday, May 23rd, 51 engineers attended the 3rd annual ½ day technical conference held at Gannett Fleming, Inc. in Camp Hill, PA. The event was geared towards practicing structural engineers involved in the design and construction of buildings. Four one-hour long sessions were provided with attendees earning 4.0 PDH credits.



Seminar topics included masonry, steel joist, cold-formed steel, and self-consolidating concrete. A summary for each session follows:

“Wind Design Considerations for Joists and Joist Girders” presented by Keith Juedemann, Vice President of Sales and Engineering for Valley Joist + Deck on behalf of Steel Joist Institute. This seminar provided a comprehensive review of wind forces on steel joist and Joist Girder roof systems, including wind load determination, wind load combinations, and wind load application. Attendees also learned about load combinations involving wind, load paths for wind forces, connection details for the transfer of wind forces, and new developments affecting wind design.

“Building Masonry Walls with Material Quality Control” presented by Jim Patchus, SPEC MIX, Regional Sales Manager – Masonry. This interactive seminar had attendees participating in hands-on demonstrations illustrating the quality of factory produced mortar compared to the inconsistencies associated with site mixed mortar. Participants also discovered the requirements necessary to achieve consistent colored mortar every time.

“AISI Cold-Formed Steel Design Standards and other Resources” presented by Jay Larson, P.E., F. ASCE, Managing Director, Construction Technical, American Iron and Steel Institute (AISI). AISI has as its mission in standards development to improve the performance of cold-formed steel in structures through the development and use of improved analysis methods and design specifications. This presentation provided an overview of the AISI standards referenced in the 2015 International Building Code (IBC), highlighted the changes made in the AISI standards referenced in the 2018 IBC, and discussed design resources available to help users of these standards.



“Self-consolidating Concrete” presented by Marc Boudreau, Sika Corporation, National Technical Representative. The use of Self-Consolidating Concrete (SCC) continues to grow and the applications are almost endless. The presenter discussed all aspects of SCC including materials & mix designs, qualification tests, engineering properties, troubleshooting SCC mixes, and case studies.

Central PA SEI would like to thank this year’s presenters. We look forward to growing this event and making it even better in 2020.

If you have any questions or comments, or would like to become more involved in the Central PA SEI, please contact Mike McGowan at (717) 763-7211 or [mmcgowan@gfnet.com](mailto:mmcgowan@gfnet.com).

## Connections in Central PA

*Submitted by: Gary Garbacik, ASCE Section Past President*

On May 21, 2019, ASCE Central PA Past President Gary Garbacik gave a presentation entitled 'Connections in Central PA: A History of ASCE Central PA' at the History and Heritage Session Education Track at the World Environmental and Water Resources Congress 2019 in Pittsburgh, PA. The presentation discussed the five National Civil Engineering Landmarks in the ASCE Central PA section Boundaries. The Landmarks include: Union Canal Tunnel, (Lebanon County); Columbia Wrightsville Bridge (York and Lancaster Counties); PA Turnpike – Old Section (Carlisle to Irwin), Walnut Street Bridge (Dauphin and Cumberland Counties) and the Rockville Bridge (Dauphin and Cumberland Counties).

The History and Heritage presentations included such topics as the Erie Canal to the Augusta Canal but also the history of steel in the Pittsburgh area and the history of the University of Pittsburgh. Recently Pittsburgh celebrated a new designation, Gateway to the West. Additionally, an exciting re-enactor, who is one of the driving forces behind the new location of the trail head of the Lewis and Clark Trail, performed an unforgettable presentation on why the trailhead is now located in Pittsburgh. St. Louis is still important, but Pittsburgh is now considered the start of the Lewis and Clark Expedition in 1803.

Other interesting events included a riverboat ride on the three rivers (Ohio, Allegheny and Monongahela). It was an hour round trip boat ride a short distance up and back on each river. Our boat ride was narrated by a former U. S. Army Corps of Engineers, Waterways Engineer and a local bridge engineer which provided much insight into both navigation and the many famous bridges on the three rivers near the point in Pittsburgh.



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We've all seen it as we zip past in our cars: people in fluorescent vests gathering up litter on the side of the highway. Last week, Larson Design Group team members were the ones taking part in this community activity, in the continued effort to enhance and enrich the communities in which LDG operates.

Sponsored by the Susquehanna Greenway Partnership and Heart of Williamsport, Williamsport Cleanup Week aimed to sweep through public property on both sides of the Susquehanna River and other locations across the city to improve the environment, beautify the city and engage citizens. Read more:

<https://www.larsondesigngroup.com/williamsport-cleanup-week-2019/>

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The TMA of Chester County named Kevin Johnson, President of Traffic Planning & Design, Inc. (TPD), their Advocacy Award winner. This award is presented to an individual/group that displays institutional leadership working toward improving air quality, congestion mitigation and improving access to transportation. His leadership has also helped bring recent recognition to the firm by the Greater Valley Forge TMA, who awarded TPD their Engineering Leadership Award.

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Modjeski and Masters, Inc. recently announced it will design a vessel collision protection system for the Delaware Memorial Bridge. The project includes designing new pier protection cells and replacing the channel-side fender system for the tower piers. The design will better protect the bridge from a vessel collision and will satisfy a federal mandate to enhance protections for critical bridges around the country. The project is expected to cost \$45 to \$46 million. For more information, visit [www.modjeski.com](http://www.modjeski.com).

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- Allentown
- Pittsburgh



## Events

<b>Event</b>	<b>Date</b>	<b>Location</b>
<a href="#">Annual Knoebels Picnic</a>	July 27, 2019	Knoebels Amusement Park, Elysburg
<a href="#">ASHE/ASCE/WTS Casino Night and Picnic</a>	August 16, 2019	Lower Allen Township Park Barn, Mechanicsburg
<a href="#">ASCE 2019 Region 2 Assembly</a>	November 2, 2019	Drexel University, Philadelphia

The schedule is growing daily, please visit <http://sections.asce.org/central-pennsylvania> for more information.

## Job Postings

C.S. Davidson, Inc – [Engineer-In-Training and Designer \(Bridge Services\)](#), [Project Designer – Entry-Level Civil Engineer](#), [Environmental Engineer](#), [Construction Inspector](#), [Project Manager – Civil/Municipal](#)

Gannett Fleming – Senior Highway Engineer, Geotechnical Project Engineer, Water Resources Engineer, Civil Engineer, Entry Level Water Engineer, Transportation Project Manager, Water Engineering Intern, State Traffic Management Center Operator, Highway Project Manager, Civil Engineer

Larson Design Group – Project Manager, Construction Inspection

Susquehanna Civil – [Bridge Engineer/Designer](#), [Surveyors and Survey Technicians](#), [Project Engineer/Designer](#)

Traffic Planning & Design, Inc (TPD) – [Construction Inspection/Manager](#), [Highway Design Specialist](#), [Highway Design Project Manager \(public and Private\)](#), [Municipal Traffic Engineer](#), [Traffic Engineer](#), [Traffic Signal/ITS Engineer](#), [Transportation Planning Specialist](#), [Structural Designer](#)

Many new jobs postings have recently been added to the Section Website at <http://sections.asce.org/central-pennsylvania/node/10>

### Address Change? Questions About ASCE?

If you are an ASCE member, and wish to update your address information, please visit: [www.asce.org/myprofile](http://www.asce.org/myprofile).

If you are a member of ASCE, and have questions, please email them to: [centralpa.asce@gmail.com](mailto:centralpa.asce@gmail.com).

Questions about the ASCE Central PA Section Newsletter? Send an email to Jason Taylor, Newsletter Editor, at [jtaylor@sqcivil.com](mailto:jtaylor@sqcivil.com).