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President's Message

President's Message

HAPPY NEW YEAR!

I hope all had a wonderful holiday season filled with friends and family. Best wishes for a prosperous 2018.



ASCE Central PA has an exciting year planned. There are a tremendous number of exciting events coming up this year. Below are listed just a few. Please consider attending one or many events.

Central Pennsylvania Engineers Week Banquet will be held at the West Shore Country Club on Wednesday February 21, 2018. The speakers will be Mr. Brock Berry from West Point who will be speaking on Non-Verbal Communications in the workplace. The 2018 awards will be presented for Engineer of the Year, Young Engineer of the Year, Technical Achievement and Educational Outreach at the event as well. It is a great time to celebrate engineering with colleagues new and old. Look for the sign-up to be available soon.

February Dinner Meeting will be presented by the Structural Committee on February 7, 2018 at the Park Inn, Mechanicsburg. The meeting will feature Dr. Louis Geschwindner a former Vice President of Engineering and Research at AISC, Professor Emeritus of Architectural Engineering Penn State University. More details to follow.

Save the date:

March Dinner Meeting on March 7, 2018, Park Inn, Mechanicsburg will be presented by the Environmental/Hydraulics committee. More information as it becomes available.

April Dinner Meeting on April 11, 2018, Park Inn, Mechanicsburg will be presented by the Geotechnical Committee and will also feature our 2018-2019 Officer Installation.

Structural Engineering Institute (SEI) ½ day Technical Conference. More information forthcoming.

30th Central Pennsylvania Geotechnical Conference to be held October 31 through November 2, 2018 in Hershey, PA. More details to follow.

Check out our website for all of the action.

<http://sections.asce.org/central-pennsylvania/home>

Continued on the following page.

WELCOME NEW MEMBERS

Peter Brumberg
Benjamin Wagner
Qing Gong
Brad Zelonis
John Ward
Jeremy Murphy
Stephen Hirlinger, EIT
Douglas Neal Schriener, EIT

If you are interested in joining one of our Technical Committees
Geotechnical
Environmental/Hydraulics
Structural Ethics/Engineering Management
Transportation,
Please contact me and I will put you in touch with the committee chair.

If you are interested in involvement with the Younger Members group.
Please contact Bill Kingston wkingston@GFNET.com for additional information.

In closing, there are lots of exciting opportunities to get involved with ASCE Central PA. Each of our Technical Committees offer a fun fulfilling way to give back to the profession as well as enhancing technical knowledge through interfacing with other people with the same professional passion.

Gary Garbacik, P. E. MASCE
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Pennsylvania Infrastructure Report Card 2018

Submitted by Gary D Garbacik, P.E., President

ASCE Central PA Section will participate with Pittsburgh, Philadelphia and Lehigh Valley ASCE Sections in preparation of the 2018 Pennsylvania Infrastructure Report Card to be released in 2018.

The report card consist of grades for Pennsylvania's infrastructure. The categories rated are:

- | | | |
|------------------|-------------------------------|---------------|
| • Aviation | • Hazardous Waste | • Roads |
| • Bridges | • Inland Waterways | • Schools |
| • Dams | • Levees | • Stormwater |
| • Drinking Water | • Ports | • Solid Waste |
| • Energy | • Public Parks and Recreation | • Transit |
| • Freight Rail | • Passenger Rail | • Wastewater |

The categories are individually given a grade. From the grades of each of the sectors, a state grade for infrastructure is determined.

ASCE in Pennsylvania needs your help to research, analyze, write and promote the 2018 Report Card for Pennsylvania's Infrastructure. The report card is one of ASCE's greatest tools to convey to elected officials and the public the status of Pennsylvania's infrastructure. **We're still accepting volunteers in these categories:**

- | | | |
|------------------|----------------|--------------------|
| • Transit | • Freight Rail | • Inland Waterways |
| • Passenger Rail | • Aviation | • Ports |
| • Solid Waste | • Stormwater | • Hazardous Waste |
| • Schools | • Levees | |

Volunteers can anticipate a 4-8 hour/month commitment over a six month period with most of the work occurring as your schedule permits with the understanding of the interim milestone requirements. New volunteers and younger members are welcomed!

Please contact Gary Garbacik ggarbacik@gfnet.com for additional information and further contact information.

SEI Precast Plant Tour

Submitted By: Michael McGowan, P.E., Structure Group Chair

On Monday, October 23rd, a group of twenty-seven professionals participated in a very informative precast plant tour at both High Concrete in Denver, PA and Northeast Prestressed Products in Cressona, PA.

The tour started in a classroom at High Concrete with a delicious breakfast provided by High and a presentation that highlighted precast concrete's design flexibility. We learned how architectural concrete uses have increased because of its economy, design freedom, and universal availability. The dimensional, functional, and flexible aesthetic possibilities of precast concrete make it a building material that can fit into nearly any design. We also had an opportunity to wear 3D goggles to view a Building Information Model (BIM).



The group then walked outside and was guided through the plant on a tour of the entire fabrication process for Architectural panels; including form construction, concrete placement, panel finishing, and shipping.

The group then traveled to Northeast Prestressed Products, a major provider of precast bridge products located on a 28-acre site in Cressona. Driving into the plant, we were greeted by numerous large prestressed bridge elements arranged in the yard ready for shipment. The group walked through the fully enclosed production area that houses the prestress and precast operations. There the group watched as rebar was placed for one set of girders and concrete was placed for another set. We also toured the testing lab and Northeast Prestressed Products' new computer-controlled concrete

batching system that utilizes heated aggregate storage. The group ended the tour by enjoying a hearty Bar-B-Que lunch with all the trimmings provided by Northeast Prestressed Products.

Central PA SEI would like to thank High Concrete and Northeast Prestressed Products for hosting our group and Tom Holmes, Executive Director of PCI Mid-Atlantic Chapter for organizing the tour.



2017-2018 Student Awards Presented at November Dinner Meeting

Submitted by: Christopher W. Smith, P.E. – Past President, Student Awards Chair

At the November Dinner Meeting, the Section recognized the outstanding academic achievements of four students from the Section's Student Chapters; this was the 26th year that these awards have been presented. This award is available to students who either attend one of the five colleges/universities within the boundaries of the Central PA Section: Bucknell University, Penn State University – Harrisburg Campus, Penn State University – Main Campus, Penn College of Technology and Messiah College or reside within our Section's geographical boundaries. This year, a total of 11 students applied for four (4) \$2,000 awards. The award winners were Dalton Stewart (Bucknell), Emma Clement (PSU-Main), John Taylor (PSU-Harrisburg) and Juliana Neves (PSU-Main). Congratulations once again and continued success throughout the remainder of your academic career and into your professional careers.

Each year, the Student Awards are generously funded by the Geo-Institute with proceeds from the Central PA Geotechnical Conference. Next year's conference will be held in Hershey from October 31st thru November 2nd. For more information and to register for the conference, go to <http://www.central-pa-asce-geotech.org/>.



Dalton Stewart



John Taylor



Juliana Neves

Younger Member Group (YMG) Year End Update

Submitted by Bill Kingston, P.E., CFM, YMG President

With the 2017 calendar year coming to a close, the YMG would like to thank everyone who helped to make this past year so successful! We hope that you continue to stay active with the YMG, allowing us to build on the successes of past years and events. For those of you who have yet to attend one of our events, we encourage you to come out and see what the YMG is all about and what we have to offer.

This fall, the YMG held two socials/happy hours to bring together YMs from across the Central PA area to network and socialize while enjoying an assortment of food and drinks. Our first fall social was held at the Tattered Flag Brewery & Still Works in Middletown, PA and our second fall social was held at the Federal Taphouse Camp Hill in Camp Hill, PA. The YMG sponsors these events at a different local restaurant/bar approximately every one to two months, providing food for all in attendance. Watch for future email announcements regarding our upcoming socials.

On Sunday October 22nd, several YMs volunteered their time to help pick up roadside litter during our bi-annual YMG litter clean-up. For over 10 years, the Central PA YMG has participated in the PennDOT Adopt-A-Highway campaign to clean up roadside litter around the US 15 Winding Hill/Cumberland Parkway Interchange in Mechanicsburg, PA. Prior to the clean-up, volunteers were treated to a complimentary breakfast at the nearby Cracker Barrel restaurant, courtesy of the YMG. We will be holding our next clean-up and breakfast in mid-April 2018. Be on the lookout for an event invite come springtime.

Throughout the month of October, the YMG sponsored our annual Student Chapter Canned Food Drive Competition. As part of this, we invite the six student chapters in our Section to collect non-perishable goods and monetary donations for a local food pantry of their choosing and we award the student chapter that collects the most donations with an engraved trophy and a \$250 monetary award for their use in member recruitment, for their competition teams, or for attendance to conferences. This year, Bucknell University won the competition, collecting a total of approximately \$210 in monetary donations for the American Red Cross.

On December 9th, the YMG hosted our annual Section Hershey Bears Game Outing at the Giant Center in Hershey, PA. The Section/YMG provided discounted tickets to all Section Members and their guests. A fun night was had by all in attendance and the event was a big success! We hope you will attend next **year's** event!

In other exciting news, The YMG wrote a successful grant proposal for an ASCE Student Transition Activity (STAY) Grant. The YMG was awarded \$1,000 to help promote interaction



Fall Adopt-A-Highway Litter Clean-up Volunteers



Bethany Shumaker, YMG Outreach/Volunteer Chair (top -left) and Gary Garbacik, Section President (Top-right) with representatives from Bucknell University Student Chapter, winners of this **year's** Student Chapter Canned Food Drive Competition.

between the Section's six Student Chapters and our local professional members. Our proposed project involves holding a two-part dinner meeting at each school, with the first part being a general introduction to ASCE and a discussion of the many benefits of professional membership and the second part being a Question and Answer Panel between students and YMs. The first part of the meeting will detail what ASCE is (outside of a school club), how ASCE is organized, what the Society does, benefits of membership (both from a society level and from the local level), with a focus on benefits relevant to a newly graduated student/entry-level engineer. We will also discuss some of our local initiatives and events and opportunities for involvement. For the second part of each meeting, we plan to hold an informal Question and Answer Panel session between the students and three to five YMs. We would aim to pull from a YM pool with varying levels of experience (recent graduate, 5-10 years experience, etc.) and from different backgrounds (subject areas, graduate school, etc.) to speak to different aspects of the profession and answer whatever questions the student may have about ASCE or the workplace in general. If you would like to participate in one of these events, which will occur at various points throughout the spring semester, please contact Bill Kingston at wkingston@gfnet.com.

We are always on the lookout for new events to hold or participate in or volunteer opportunities, so if you **have any ideas, we'd love to hear about them.** Additionally, we are also looking for motivated individuals who would like to get more involved in the YMG and help plan and lead events. If you are interested, let us know. We hope to see you at a future event!

The Younger Member Group of ASCE is for any ASCE member under the age of 36 who is interested in community service, supporting local charities, professional development, and social networking with other professionals in the area. The YMG is always open to new ideas and activities to better serve you, the members. If you have any ideas for future activities or events, or would simply like more information, please contact Bill Kingston at wkingston@gfnet.com.

ASCE National Convention 2017, New Orleans, Louisiana

Submitted by: Kerry Henneberger P.E. – Section President-Elect, and Michelle Madzelan, P.E. – Section Director of Member Services and Convention Technical Program Subcommittee Member

Michelle Madzelan and Kerry Henneberger represented the Central Pennsylvania Section at the 2017 National Convention in New Orleans, LA from October 8 – 11, 2017. With the threat of Hurricane Nate looming for a Saturday landfall, the conference committee decided the tours and short courses scheduled for Sunday would be canceled and Sunday evenings Welcome Reception would be postponed until Monday evening. Hurricane Nate made landfall on Saturday evening as a Category 1 staying well east of the city sparing it from any major damage. After Saturday's washout, Sunday turned out to be a bright and sunny day and provided the opportunity to explore the historic city.



The convention provided a comprehensive menu of outstanding technical sessions. The selection of session topics covered History & Heritage, Multidisciplinary Technical, Natural and Man-made Disasters, Professional Development, Significant Projects, Strategic Issues/Public Policy, and State of the Industry/Profession. Attendees are provided the opportunity to network with peers from all over the country and world. ASCE leadership and committee members are accessible throughout the event to answer questions and eagerly want to hear what is happening within our Section. It offers the opportunity for new friendships to be made and renew old ones.



The convention started on Monday with keynote speaker, Marci Rossell, Ph.D., former chief economist for CNBC. She shared her perspective on the role civil engineers play in creating the infrastructure that provides the foundation for the U.S. economy. The Celebration of Leaders Luncheon showcased the outstanding achievements of the nine individuals selected as Distinguished Members, Class of 2017. Attendees enjoyed a Bourbon Street themed Welcome Reception complete with jazz music later in the evening.

ASCE Executive Director Tom Smith, F. ASCE kicked off Tuesday's Annual Business Meeting by giving the State of the Society. Tom indicated we are 155,000 members strong with representation in 177 countries. The installation of new officers followed with Norma Jean Mattei, Ph.D., P.E., F. ASCE, the 2017 ASCE President passing the presidential gavel to Kristina Swallow, P.E., F. ASCE. Also inducted were 2018 President-Elect **Robin Kemper, P.E., F. ASCE, and new members of ASCE's Board of Direction. It was ASCE history in the making as Swallow, Kemper, and Mattei represented the first trio of female presidential officers. During Kristina's inaugural remarks she said "This is for all the little girls out there thinking they want to be an engineer and knowing there's a path for them."**

The convention closed with high-energy as Kaplan Mobray, best-selling author of *The 10K's of Personal Branding* threw candy, played the saxophone and challenged attendees to identify their own brand as an engineer. He shared techniques on how to leave a positive impression to help build career success.

Next year's National Convention will be held in Denver, Colorado from October 12th thru October 15th, 2018.

<http://2018.asceconvention.org/>



Announcement



FUTURE CITY COMPETITION UPDATE & HOW YOU CAN HELP

The Central Pennsylvania Future City Competition will be held on January 20, 2018 at the State Museum in Harrisburg. In the competition, students work with a teacher and engineering mentor as they create cities of tomorrow using SimCity software; build a large, 3-D tabletop model of recycled materials; write an essay; and create an oral presentation. More than 30,000 students from 1,100 schools participated in Future City last year. This year's topic is: ***The Age-Friendly City***. We will once again send the winner of our competition to Washington, D.C. to compete nationally.

Here's how you can help:

ENGINEERS: You can help out during the Competition by being a Judge.

COMPANIES: Companies can help with monetary donations or donations of prizes and small gifts for the students. All help is appreciated.

EVERYONE: Want to help, but not sure if you have the time available? Be a Volunteer the day of the competition! Volunteers will help keep things running smoothly the day of the Competition, including set-up, sign-in, and distribution of itineraries, lunch, and breakdown.

For more information on judging, sponsorship or volunteer opportunities contact Steve Roman at sroman@wbcm.com.



Save the Date

The Central Pennsylvania Engineers Week Banquet, Celebrating National Engineers Week locally, will be held on:
Wednesday, February 21, 2018.

The Banquet will be held at the
West Shore Country Club, Camp Hill, Pennsylvania.

This year's speaker will be Mr. Brock Berry, he is from West Point and his topic will be Non-Verbal Communication in the Workplace.

More information regarding the event will be sent out closer to the Banquet date and time.

We encourage you to look us up on our new Facebook and LinkedIn Pages, searching for Central Pennsylvania Engineers Week Council for the most current and up-to-date information.



Save The Date!

June 4 - 6, 2018
Lancaster, Pennsylvania
Lancaster County Convention Center
www.DamSafety.org/Northeast2018

Join Us in Lancaster!

ASDSO and the New Jersey-Pennsylvania Council for Safe Dams are proud to host the ASDSO 2018 Northeast Regional Conference. Join other dam safety professionals June 4-6 in Lancaster, PA for an array of technical and non-technical presentations. The conference is geared towards dam safety engineers and dam owners/operators in the northeastern states.

The Northeast Regional Conference will offer education and networking opportunities right in your own backyard. This is a great conference to meet product and service providers, learn from your peers or acquire some of those PDHs credits you need.



Submit An Abstract!

Do you have an interesting story to tell about a project, ground breaking research, or maybe a new product you're using to make your job easier? Well, now is the time to submit your great idea for presentation at the 2018 Northeast Regional Conference.

The Call for Abstracts is now open and all dam and levee safety professionals are encouraged to submit. Whether you're a seasoned veteran or a young professional, a long-time presenter or someone who has attended but never presented, we invite you to submit an abstract for consideration.

Learn suggested topics, presentation formats, submission deadlines and more by visiting the Call for Abstracts information page at DamSafety.org/Northeast2018.



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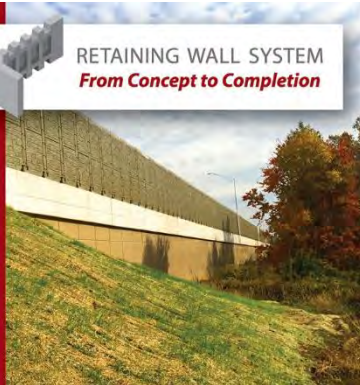
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New and Events

Event	Date	Location
February Section Meeting	February 7, 2018	Park Inn, Mechanicsburg
Central Pa Engineer's Week	February 18-27, 2018	Multiple Locations
CPEWC Banquet	February 21, 2018	West Shore Country Club, Camp Hill
March Section Meeting	March 7, 2018	Park Inn, Mechanicsburg
April Section Meeting	April 11, 2018	Park Inn, Mechanicsburg

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

Job Postings

The Neel Company – [MidAtlantic Technical Sales](#)

Susquehanna Civil, Inc. – [CBSI Bridge Inspector/Team Leader](#)

NTM Engineering, Inc – [Project Engineer \(Bridge inspection / Design\)](#)

Jobs postings are included on 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.

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

Questions about the ASCE Central PA Section Newsletter? Send an email to Jason Taylor, Newsletter Editor, at jtaylor@sqcivil.com.