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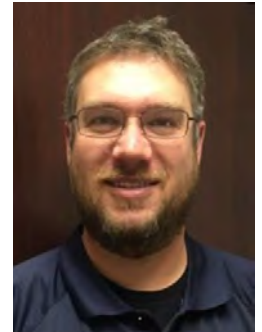
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President's Message

I would like to first thank Chris Smith for all his work and dedication to the ASCE Central PA Section over the last year as President. Chris has provided great leadership to the Section and has been a huge help in the transition of leadership over the summer. I hope to continue with the example he has set and provide guidance for another successful year for the Section.



With the section activities already started, you should be receiving the email announcements through constant contact, and you can always check for details of the latest events on the website, but I want to start **my first President's Message by highlighting the National ASCE Board's work** over the summer to set a strategic direction for ASCE while also approving policies and a budget.

The ASCE Board of Direction met back in July in San Diego and endorsed **updated strategies to improve America's infrastructure**. The Sustainable Infrastructure and Grand Challenge strategic initiatives include not just improving the state of the infrastructure, but also transforming the profession towards sustainability, and more specifically reducing the life-cycle cost of infrastructure by 50 percent by 2025. This will allow for the optimization of the investments in infrastructure that will be made over the next several years and into the future.

To help keep the focus on the state of the nation's infrastructure, scheduled for release in March 2017, the **2017 Report Card for America's Infrastructure** will be completed by the Society.

On the policy front, the Board entertained 3 new and 43 revised public policy statements addressing civil engineering issues. One approved new policy is a policy concerning connected and autonomous vehicles. An ever increasingly popular topic in the news, connected and autonomous vehicles will need well thought out policies governing their use and should be carefully considered.

The Board also approved a fiscal year 2017 budget to place the Society on a sound financial path while striving to serve members and advance civil engineering. Unfortunately, due to rising costs that affect all organizations, the budget increases member dues to \$240/year after 3 years of dues remaining unchanged. Please remember to renew your membership to continue to have access to all the benefits that are provided to members. I hope to see you at the upcoming Section events.

Sincerely,

Austin (Joe) J. Eberly, P.E., M.ASCE
2016-2017 Central PA Section President

WELCOME NEW MEMBERS

Alvis Elrod, PE
William Lutz
Benjamin Stodard
Andrzej Kulik, PE
Aaron Ellenberger
James Romano, EIT
Adam Baker, EIT

Region 2 Directors Message

Submitted By: John Casana, P.E., Region 2 Director

It is with pleasure that I write my first Letter as Region 2 Director. I would like to begin by expressing my thanks to Chris Menna for his Service as Director from 2013 to 2016. I had the opportunity to observe my first ASCE Board Meeting during our ASCE Annual Convention in Portland. While there were differences on specific issues, in my opinion each member acted in the best interest of the Society as they saw it. The Annual Convention was an action-packed event, with strong technical sessions, a dynamic keynote address on innovation, and an opportunity to network with ASCE members from throughout the world. We were treated to a **preview of ASCE's DREAM BIG**, IMAX film scheduled for release in February 2017.

I am pleased that we will show a preview of DREAM BIG at our Region 2 Assembly on Saturday, November 12, at Morgan State University, Baltimore, MD. Speakers include ASCE President-Elect Kristina Swallow, and Anthony Bartolomeo, President and CEO of Pennoni Associates who will discuss one of **ASCE's Strategic Initiatives, "The Grand Challenge."** The event will kick-off at Morgan State at 8AM with breakfast in the Center for the Built Environment located at 5251 Perring Parkway, Baltimore, MD. All Section/Branch Members, Younger Members, Students, and Faculty/Practitioner Advisors are very welcome to attend. Best of all there is no registration fee to attend. Space is limited - click [HERE](#) for your registration form.

September Dinner Meeting

Submitted By: Austin (Joe) J. Eberly, P.E., Section President

On the evening of Wednesday, September 14th, around 50 attendees assembled at the Park Inn in Mechanicsburg to learn about the PA 581 Over 10th Street Accelerated Bridge Superstructure Replacement Project presented by Mr. Brian Moore, P.E., Senior Construction Engineer with Michael Baker International.

This excellent presentation explained the construction of the bridge replacement that took only four weekends and minimized the impacts to the traveling public.

Due to the high volumes of traffic on PA 581 (86,000 vehicles per day), the bridge replacement was accelerated with off-site construction of the precast steel beam/concrete deck sections. These sections were transported to and erected at the site and completed with accelerated concrete closure pours and latex modified concrete overlay finishing.

Directional weekend detours were designed and implemented and the bridge was replaced approximately one-half at a time. It is estimated that roughly a year and a half of full-time traffic disruptions were saved for motorists by completing the bridge replacement in this manner.

The theme for the project was plan, plan, plan with a healthy dose of contingencies for all aspects of the construction. Hopefully this project will provide a blueprint for future bridge projects where reducing impacts to the motoring public and surrounding areas are of the utmost importance, and we will see future bridge replacements conducted this way.

A big [Thank You](#) to Brian for sharing this project with us at the dinner meeting!



The New Baltimore Slide - Identification, Investigation, and Remediation

Submitted By: *Cristina Barnes, Stahl Shaeffer Engineering, LLC*

Identification – The New Baltimore Slide Has Been Monitored Since Before Turnpike Construction Began

In 1935, the Pennsylvania legislature authorized a feasibility study for building a highway – a turnpike - that had an estimated construction cost of between \$60 million to \$70 million. Two years later, Governor George Earle signed a bill authorizing the creation of a Turnpike Commission. When the original 160-mile long Pennsylvania Turnpike opened for business on October 1, 1940, it became America's First Superhighway, receiving nationwide acclaim as an engineering marvel and establishing national standards for superhighway design. Read more good stuff here on the history of the Turnpike: https://www.paturnpike.com/yourTurnpike/ptc_75th_Anniversary.aspx. Subsequent expansions increased the roadway to 552 miles.

The Pennsylvania Turnpike, constructed mostly along the path of the original roadbed of the old South Penn Railroad, passed through the Borough of New Baltimore in Somerset County. This area became well-known for the "Church on the Turnpike", and also for the ancient landslide at Milepost 127.9, an 800-foot wide mass of rock and soil that was sliding along a bedding plane of clayey siltstone extending 1,250 feet back from the Turnpike. The Pennsylvania Turnpike Commission (PTC) was well aware of the slide and the problems that it would cause. Provisions were made to limit the impact on the slide and therefore the impact to the road. The original alignment was revised (vertically and horizontally) to minimize impact on the slide. Original survey records taken during construction showed movements of up to 13 ft./year (1938 - 1940). Subsequent expansions and realignments that required excavation stopped just short of the slide, but it continued to move toward the eastbound lane at a rate of approximately 6-10 inches/year, causing the shoulder and right lane to heave approximately 8 inches/year.

Investigation – Geotechnical Investigations, Slope Inclinometers, Robotic Total Station Laser Survey

For years, it was determined long term maintenance was more cost effective than remediation until the MP 124 to MP 133.5 Total Reconstruction & Widening Project was approved. This project, a \$180 million reconstruction and widening of a 9-mile stretch in Somerset and Bedford counties, included complete reconstruction of the roadway, widening it to six lanes with a 26-foot median, eliminating most curves that exceed 3 degrees, addressing geotechnical issues at the slide by excavating below the failure plane, and replacing all of the overhead bridges.

Stahl Sheaffer Engineering began providing construction management services to the Pennsylvania Turnpike Commission for the remediation project at the beginning of 2013. The early involvement of Stahl Sheaffer personnel enabled the firm to facilitate onsite activities, such as test blast studies and the implementation of a robotic total station laser surveying system. This system provides continuous 24-hour monitoring of the slide, providing real time coordinates of over 80 permanent prism locations on the slide, before and during construction, and 10 strategically located prisms following construction.



Prisms on the slope are used to monitor the slide.

Remediation – Blasting, Mass Excavation, Recycled Backfill, and Reclamation

After several years of carefully considered design, construction of the New Baltimore Slide Remediation began in 2015 with a 7-stage construction sequence to widen the Turnpike to 6 travel lanes with a 26-foot median and 12-foot outside shoulders. Stages 1 - 3 and 5 - 7 were for the purpose of safely moving traffic away from the work area and providing a work zone and access for the project. During Stage 4, Independence Excavating managed 2.1M yards³ of excavation to remediate the New Baltimore Slide and an additional 1.6M yards³ of excavation for an adjacent cut slope. This slope was being modified to realign an existing 4-degree curve to a 3-degree curve and bring it into

compliance with current Turnpike design criteria and facilitate widening to 6 lanes.

The construction sequencing of the slide remediation consisted of 26 phases in a top down manner. Each phase or slot is 75 feet wide and **the idea was to “flip flop” the excavated material** on top of the previous sequence where the slide plane had been removed. Each sequence was an orchestration of blasting, excavation, benching, backfilling, and grading.



In addition to monitoring and inspection services, Stahl Sheaffer provided: design and schedule review, shop drawing and submittal review, 3-D surveying, geotechnical engineering, and environmental and safety monitoring. Excavation was managed by Independence Excavating. Overall project management, environmental permitting, land development, and traffic control and construction sequencing was led by Johnson, Mirmiran & Thompson, Inc. (JMT) of York, PA. JMT worked collaboratively with a design management team led by KCI and GeoMechanics. The geotechnical design was led by American Geotechnical and Environmental Services, Inc. (AGES).

This project will make history once again for the Pennsylvania Turnpike Commission. The New Baltimore Slide project is the first time an ancient, active landslide has been remediated by removing the failure mechanism and using the slide mass as an engineered fill back in its original location.

This project, which has been under design for 15 years, will be completed in November, 2016.



Before: October 2014



After: October 2016

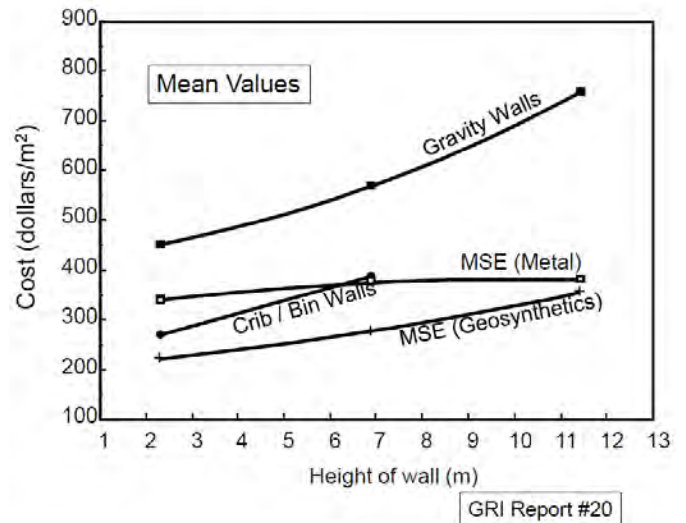
G-I SUSQUEHANNA VALLEY CHAPTER NEWS

Submitted by: Thomas Imholte, P.E., Geotechnical Group Co-Chair

On September 21, 2016 the Geotechnical Committee hosted a webinar on Geosynthetic Reinforced Mechanically Stabilized Earth Walls. Nearly 30 engineers and geologists attended the event that was held at Gannett Fleming in Camp Hill, PA. The presenter was Dr. Robert Koerner, Director Emeritus – Geosynthetic Institute and Professor Emeritus – Drexel University.

Dr. Koerner’s presentation was engaging and informative. Those who attended gained insight into the diversity of materials used in reinforced earth construction including the pros and cons of the various materials. Dr. Koerner focused on the use of polymeric reinforcement combined with two types of facing – modular concrete blocks (aka segmental retaining walls) and welded wire mesh/biaxial geogrids. Dr. Koerner stressed that nearly 2/3 of MSE Wall failures are related to the control of water.

Be sure to incorporate a highly permeable drainage layer into your design and strongly recommend that all conveyance piping be installed outside of the reinforced soil zone.



Central PA YMG - Biannual Adopt-A-Highway Litter Clean-Up

Submitted By: Bill Kingston, P.E., Younger Members Chair



On Sunday October 16th, eight section members volunteered their time to help pick up roadside litter during the biannual **Younger Member Group’s 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. The spring clean-up is tentatively scheduled for Sunday April 16th, 2017. While we understand that Sunday morning may not work for everyone that wants to volunteer, this is the ideal day of the week and time for the least amount of traffic to be present on the roads we are cleaning up and safety of the volunteers is the highest priority. Be on the lookout for an event invite come springtime. We hope to see you there!

2016 Presidents and Governors Forum, ASCE Headquarters, Reston, Virginia

Submitted By: Gary Garbacik, P.E., President-Elect

The 2016 Presidents and Governors Forum at ASCE Headquarters was held on September 18-19, 2016. Joe Eberly and Gary Garbacik from our section attended. Presidents, Governors and other officers were in attendance from around the country and around the world. ASCEs International Region, Region 10 was represented.

ASCEs organizational structure and Geographic Services Resources were discussed at length as well as section and branch best practices. One of the highlighted events for 2017 is the 'Dream Big' movie. We have some exciting ideas on how to integrate the premier of the 'Dream Big' movie with local activities.

ASCE is encouraging involvement from the membership for 2016-2017 initiatives which include: Vision 2025. In 2025 civil engineers will serve as Master Builders, Stewards of the Environment, Innovators/Integrators, Mangers of Risk, and Leaders in shaping Public Policy.

ASCE has goals to advance technology, lifelong learning and professionals influencing public policy. ASCE currently has 36 technical journals and 9 technical institutes such as SEI and Geotech which are celebrating 20 years. Lifelong learning is key to professional development. ASCE provides 200 seminars and 300 webinars yearly. Importantly, one of ASCE's benefits is five free personal development hours (PDHs) from online courses or webinars for members. ASCE anticipates 12 to 15 updated standards in 2016 to early 2017. Public policy is influenced by the Report Card to be released in 2017. ASCE is recognized worldwide for our journals and other Civil Engineering documents.

We had an inspiring talk from Norma Jean Mattei our 2016-2017 President as well as a host of other ASCE Executives. Following the talk the participants had a tour of ASCE Headquarters which was a highlight of the event and yes, there really is a physical ASCE Bookstore. ASCE Headquarters is full of Civil Engineering memorabilia, all the ASCE Publications one could want and the very helpful and knowledgeable customer service team.



Results of the ASCE Central Pa Section Survey Responses

ASCE Central PA Section Membership Responses by County



ASCE Central PA Section Membership Responses by County



ASCE National Convention 2016, Portland, Oregon

Submitted By: Duke Slifko, P.E., Kerry Henneberger, P.E. and Gary Garbacik, P.E.

Four members of the Central Pennsylvania Section had the opportunity to attend and represent the section at the 2016 National Convention in Portland, OR from September 28 through October 1. According to ASCE there were over 800 attendees at the 2016 convention.

The convention started on Wednesday evening with the Opening Welcome Reception and networking event. Conference attendees were served Portland-themed appetizers and finger foods. The networking event was followed by a sneak peek showing of the *Dream Big, Engineering Our World* IMAX movie. *Dream Big* will be released in February 2017 as part of Engineers Week celebration. The movie is directed by Greg MacGillivray, who has directed many other IMAX movies, and is a celebration of engineering the engineering profession, featuring three storylines that showcase three individuals' experiences in the engineering field. The movie was still in progress so the actual content of the movie may change before it is released in 2017. The participants were treated to an inside look of how a movie of this type is made. The movie contains breathtaking photography and a truly unique and captivating storyline. It will be a great movie for educating the public on what engineers do as well as an exemplary teaching tool for teenage students.

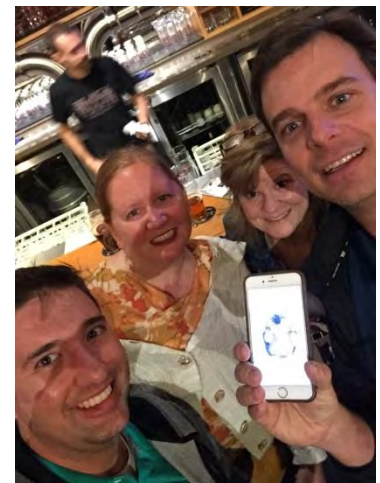


The four representatives from the Central PA Section attending the event took the opportunity each night to sample Portland's eclectic dining scene by eating dinner at Kachka, a Russian Cuisine restaurant one night, Brix Tavern another, and finally, Deschutes Brewery, a local brewery, the final night. The light rail and street car system made it very convenient to travel to the food districts downtown.



The ASCE convention mascot, Phil the Philanthropist, was a hedgehog. Photos of Phil were distributed for use in the "Selfie with Phil" contest. The contest encouraged participants to take a selfie with Phil while visiting local attractions and post it to ASCE Social Media with the hashtag #ASCE2016. Each post counted as an entry to win a free registration to next year's convention. Duke contributed a few selfies.

On Thursday morning, the Opening Plenary Session began with comments from Mark Woodson, P.E., L.S., D. WRE, F. ASCE (ASCE 2016 President) and Greg DiLoreto P.E., P.L.S., D. WRE, F. ASCE, the ASCE 2016 Convention Host Chair. A rendition of the national anthem was performed by the Balladeers, a men's choir from the Portland



area entering their 76th year of existence.

The opening keynote speaker was Franz Johansson, best-selling author of "The Medici Effect" and "Click Moment". The discussion centered on "Diversity Drives Innovation," with the idea that diverse groups and teams have better, more significant ideas and ideas that have a better chance of becoming successful. The speaker challenged the audience with comments such as "people that change the world try more ideas than others." He also gave real life examples to back his comments. Diversity can be found in ideas, cultures, a multitude of areas. If you really look into this comparison, it really makes sense. The speaker encouraged attendees to create diversity on teams, leverage existing diversity through inclusion, explore unlikely connections, and be prepared for unexpected insights.

The conference had many and varied presentation topics all day Thursday and Friday. A sample of topics includes the new, soon-to-be-released, ASCE 7-16 document, a discussion on the new Tsunami codes, floating bridges, green infrastructure concepts, as well as several case studies of existing projects, and the list goes on.

The convention closed on Saturday afternoon with a New Orleans-themed lunch to begin building excitement for next year's convention that will take place in New Orleans. During lunch, attendees listened to closing remarks from the ASCE Convention Advisory Council chair, Andrew Hermann. He introduced Norma Jean Mattei, PhD., P.E., F. SEI, F. ASCE as the 2017 ASCE president and New Orleans native. Norma Jean introduced New Orleans as an exciting city to hold next year's convention as well as made closing remarks for this year's convention before introducing David Odeh. David moderated the final keynote speaker's session. Gabie Figueroa, A.M. ASCE, discussed her life as a professional hockey player while becoming a professional structural engineer in New York City. Gabie gave a history of her life, growing up playing hockey and deciding to continue her passion through college. She also wanted to become an engineer, though, and learned early on that she would need to sacrifice more than others to achieve her dreams. As an adult, Gabie capitalized on an invitation to become a professional hockey player all while still working as an engineer. The theme of her discussion centered on being able to do everything she wanted to as long as she put her mind to it and stayed determined.

The convention was a great opportunity for some of our members to network and meet other engineers from around the country and world. The technical presentations were varied and interesting. The experience of attending a national convention is one to be remembered.

Next year's convention will be held October 8-11, 2017, in New Orleans, Louisiana.

York College offers Civil Engineering!

York College of Pennsylvania's Department of Engineering and Computer Science launched its' third engineering program this fall, civil engineering (<http://www.ycp.edu/academics/academic-departments/engineering-and-computer-science/programs/civil-engineering/>) joining mechanical engineering along with electrical and computer engineering programs. The "Capstone" class of civil engineers (the class of 2020) entered with 20 members. Like the other engineering programs at York, students will be required to participate in three terms of co-op during their four years at YCP; graduating with a BS in Civil Engineering as well as a full year of CE job experience. Also starting this fall is new faculty member Scott Hamilton, PhD, PE, F.ASCE who is the program coordinator. Plans are currently being finalized for a new 12,000 sq. ft. facility to support the program that will feature 3 lab-classrooms, a computer lab, and offices for faculty as well as over 1100 sq. ft. of student project space along with additional space for individual study and faculty projects; the building will be completed in the fall of 2017. On October 13th the new students were introduced to the local civil engineering community at a Meet & Greet function (photos right). Upon graduation of the first class the program is planning to seek ABET accreditation.



Save the Date: January 25-27, 2017

29th Central Pennsylvania Geotechnical Conference Hershey, Pennsylvania

Scheduled Speakers and Topics

- **Joseph Cavey** - 26th Street Emergency Retaining Wall Replacement, Baltimore MD
- **Dr. Joseph Coe** - Application of Nondestructive Testing and Geophysical Methods to Evaluate Unknown Foundation Geometry
- **Dr. David Elton** - A Brief History of Geotechnical Mistakes
- **Dr. George Filz** - Kennedy Space Center
- **Arthur Hoffman** - Future Geo-Business Trends
- **Dr. Robert Holtz** - To Be Determined
- **Eric Klein** - Tied-Back Micropile SOE to Support Active Rail Loads
- **Dr. Michael Malusis** - Soil-Bentonite Cutoff Wall Instrumentation
- **Dr. Michael McGuire** - As-Built Verification and Condition Assessment of Mechanically Stabilized Earth (MSE) and Geosynthetic-Reinforced Soil (GRS) Retaining Structures using 3D Point Cloud Data
- **Sarah Missenda** - East Branch Dam
- **Daniel Ruffing** - A Case Study: Soil Mixing for Soft Ground Improvement at a Landfill
- **Johanna Simon** - A Hybrid Retaining Wall to Conquer a Massive Slope
- **Steve Wendland** - Impacts of Superfast Construction on Slope Stability
- **John Wolosick** - Revisiting Normandy Beach - Bluff Stabilization
- **Joseph Zwetchkenbaum** - Fully Softened Shear Strength of Northern Virginia Potomac Clays



To register, exhibit and obtain further information, visit our website at:
[http:// www.central-pa-asce-geotech.org](http://www.central-pa-asce-geotech.org)

Direct registration questions to Jason Gardner at: jgardner@gfnet.com
Direct exhibit questions to Bruce Stegman at: bruce.stegman@verizon.net

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Central PA Section



The ASCE Central PA Younger Members Group (YMG) Invites You to See the

Cost: Members & Guests - \$15.00 per person
Children under 18 - \$10.00 per person
Student Members - \$10.00 per person

Seats are in Section 113 of the lower level. All children 2 years and older need a ticket; children under the age of 2 years do not need a ticket but must share the purchased adult seat. Tickets will be held at Will Call.

Please RSVP to Bill Kingston
(wkingston@gfnet.com or 717-763-7212 x2895)
by **Wednesday November 16th**, 2016. Please send all checks, made payable to ASCE Central PA, to:

Bill Kingston, C/O Gannett Fleming, Inc.
207 Senate Avenue, N-350
Camp Hill, PA 17011

Take On the

LEHIGH VALLEY PHANTOMS

Saturday, December 3rd, 2016
Game time @ 7:00 PM



All members and their guests are invited! You don't have to be a Younger Member to attend!

Pennsylvania Lottery Night
The first 4,000 fans 18 & over will receive a lottery voucher, courtesy of the Pennsylvania Lottery.

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New and Events

Event	Date	Location
Joint Section and Student Chapter PSU Tailgate	November 5, 2016	Penn State University
November Dinner Meeting	November 9, 2016	Park Inn, Mechanicsburg
Region 2 Assembly	November 12, 2016	Morgan State University, MD
Hershey Bears Hockey Night	December 3, 2016	Giant Center, Hershey
Section Past President's Luncheon	December 7, 2016	Duke's Riverside, Wormleysburg
Section Family Christmas Party	December 14, 2016	Park Inn, Mechanicsburg
29 th Central Pa Geotechnical Conference	January 25-27, 2017	Hershey Lodge & Convention Center

Please visit <http://sections.asce.org/central-pennsylvania> for more information

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@aegroup-llc.com.

Hershey Lodge & Convention Center
West Chocolate Avenue & University Drive
P.O. Box 446, Hershey, PA 17033-0446
Phone: (800) 437-7439

Accommodations

Hotel reservations are to be made directly with the Hershey Lodge and Convention Center, 800-437-7439, or direct at 717-533-3311. Be sure to mention you are attending the ASCE Geotechnical Conference to receive the reduced seminar rate of \$159 single or double. Cutoff date for special seminar rate is December 23, 2016. There are a limited number of rooms available. Please register early.

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29th CENTRAL PA GEOTECHNICAL CONFERENCE January 25-27, 2017

Hershey Lodge & Convention Center
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Harrisburg, PA 17106-7100

Preliminary Schedule & Program

Wednesday, January 25, 2017

3:00 PM – 6:30 PM Registration Desk Open

4:00 PM – 5:30 PM Informational Sessions

- *Pile and Drilled Shaft Testing*
Michael Morgano, PE, GRL Engineers, Inc.
- *Rock Fall Protection and Slope Stabilization*
Kevin Coyle, GeoBrugg North America, LLC
- *Additional Topic(s) To Be Determined*

5:30 PM – 8:00 PM

Opening Reception, Exhibits
Blue and White Rooms
Complimentary Food & Beverage

Thursday, January 26, 2017

7:30 AM – 10:30 AM Registration Desk Open

7:30 AM – 8:00 PM Exhibits Open

8:00 AM Welcome

8:10 AM – 9:30 AM Session I Presentations

9:30 AM – 10:00 AM Break - Exhibit Area

10:00 AM – 12:00 PM Session I (continued)

12:00 PM – 1:20 PM Lunch

1:20 PM – 3:30 PM Session II Presentations

3:30 PM – 4:00 PM Break - Exhibit Area

4:00 PM – 6:00 PM Session II (continued)

6:00 PM – 8:30 PM Social Hour/Buffer Meal

Friday, January 27, 2017

7:30 AM – 10:30 AM Exhibits Open

8:00 AM – 10:00 AM Session III Presentations

10:00 AM – 10:30 AM Break - Exhibit Area

10:30 AM – 11:50 AM Session III (continued)

11:50 AM Closing Remarks,
Adjournment

Attendees at this Conference will be awarded 10 PDH (Professional Development Hours). The PDH's are awarded in accordance with NCEES model law and rules. New York accreditation is in process.

Conference Subjects and Speakers

Session I

Moderator: Cari R. Beenenga, P.E., Chairperson

- *"Future Geo-Business Trends"*
Arthur Hoffmann, P.E., D.GE., Gannett Fleming, Inc.
- *"Kennedy Space Center "*
George Filz, Ph.D., Virginia Tech
- *"East Branch Dam",*
Sarah Missenda, P.E., US Army Corps of Engineers
- *"Soil-Bentonite Cutoff Wall Instrumentation "*
Michael Malusis, Ph.D., P.E., Bucknell University
- *"A Case Study: Soil Mixing for Soft Ground Improvement at a Landfill",*
Daniel Ruffing, P.E., M.ASCE, Geo-Solutions, Inc.

Session II

Moderator: James B. Pease, P.E., Chairperson

- *"Fully Softened Shear Strength of Northern Virginia Potomac Clays",*
Joseph Zwetchkenbaum, M.S., E.I.T., A.M.ASCE, Virginia Tech
- *"TBD",*
Robert Holtz, Ph.D., P.E., DGE, Dist. M.ASCE, University of Washington
- *"Impacts of Superfast Construction on Slope Stability",*
Steve Wendland, P.E., P.G., DGE, Kleinfelder, Inc.
- *"Application of Nondestructive Testing and Geophysical Methods to Evaluate Unknown Foundation Geometry",*
Joseph Coe, Ph.D., Temple University
- *"A Brief History of Geotechnical Mistakes",*
David Elton, Ph.D., P.E., Auburn University

Session III

Moderator: Jason M. Gardner, P.E., Chairperson

- *"As-Built Verification and Condition Assessment of Mechanically Stabilized Earth (MSE) and Geosynthetic-Reinforced Soil (GRS) Retaining Structures using 3D Point Cloud Data"*
Michael McGuire, Ph.D., P.E., Lafayette College
- *"A Hybrid Retaining Wall to Conquer a Massive Slope",*
Johanna Simon, P.E., Schnabel Engineering
- *"Tied-Back Micropile SOE to Support Active Rail Loads",*
Eric Klein, P.E., D.GE., M.ASCE, RK&K
- *"26th Street Emergency Retaining Wall Replacement, Baltimore, MD",*
Joseph Cavey, P.E., Hayward Baker, Inc.
- *"Revisiting Normandy Beach – Bluff Stabilization",*
John Wolosick, P.E., Hayward Baker, Inc.

Registration Form

29th Central PA Geotechnical Conference
January 25-27, 2017
Hershey Lodge & Convention Center, Hershey, Pa

Please Print

Name _____

Organization _____

Address _____

City, State Zip _____

Phone _____

E-Mail _____

Register and pay with credit card on line at:
<http://www.central-pa-asce-geotech.org/>

--OR--

Enclose Registration Form and Check Payable to:
"Central PA Section ASCE" and mail to:

Jason Gardner, P.E. at Gannett Fleming, Inc.,
P.O. Box 67100, Harrisburg, PA 17106-7100

Type	Paid By	Paid After
	Dec 23, 2016	Dec. 23, 2016
Individual	\$ 400	\$ 550
Government Employee	\$ 125	\$ 125
Student (full-time)	\$ 25	\$ 25
Exhibitor Booth 8'x10'	\$ 1000	\$ 1250
Exhibitor-Extra Person	\$ 150	\$ 150

Fee Covers

Registration, 1 copy of proceedings, reception on January 25, 2017, lunch & dinner on January 26, 2017, and coffee breaks throughout.

Registration

On a first come first served basis.

Cancellation

Must notify Jason Gardner by December 23, 2016, at jgardner@gfnet.com or 717-763-7212 ext. 2692 to receive a full refund.