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President's Message



Hello everyone and welcome to the 2019-2020 ASCE Central PA Calendar year! I am both honored and humbled to serve as this year's President. Our local Section has been fortunate to have a very long list of talented Past Presidents who have selflessly provided great leadership. Most recently, Kerry Henneberger has transitioned into the title of "Past President" and on behalf of the section, I'd like to thank Kerry for the countless hours she devoted last year and the years prior. Kerry has personally helped me get up speed very quickly on the many duties required of this position. Additionally, our Board is privileged to have many past Presidents remain active in the section and help provide seamless transitions year after year. Special thanks to them and all the board members that have made our Section the success it is!

The 2019-2020 calendar year is already shaping up to be a year of big changes for our Section! First and foremost, we have changed the location of our regular monthly meetings. Our monthly Board and Dinner meetings will now be held at the Radisson Hotel in Camp Hill (1150 Camp Hill Bypass, Camp Hill, PA 17011). The staff at the Radisson have been quite welcoming and we look forward to a long relationship at this location.

Secondly, we are experimenting with a new meeting format this year. The Board of Directors has recognized that we all have quite busy lives. And although everyone still wants to gain PDF's and network with our peers, sometimes we cannot afford to invest an entire evening. As such, we will be experimenting with replacing dinner meetings with "Appetizer Meetings." The format will begin with light appetizers being served at 5:30PM, followed by a presentation beginning at 6:30PM, and adjourn by 7:30PM. The first attempt of this new format was at the September meeting and it received positive reviews. We are hoping to utilize this format moving forward as the schedule permits. Tentatively, the next "appetizer" meeting will be held in February 2020. November will be a plated dinner for the student awards presentation (11.13.19) and December (12.11.19) will be a buffet for the annual Christmas Party. Please mark your calendars! For more information about our Section, please visit our website frequently at <http://sections.asce.org/central-pennsylvania/home>. This is a great resource for learning about our section, the board, our events, job postings, etc.

Lastly, we are always looking for volunteers to join the Board of Directors including the Leadership Board. For anyone who is not currently involved in the direction of our local ASCE Section, this is a great way to gain leadership experience, make valuable contacts both locally and nationally, and give back to your Engineer

WELCOME NEW PROFESSIONALS:

Otto Herr, P.E. Zane Geist, EIT
 Brian Shomper Matthew Lena
 Cory Rathman Timothy Lester
 Douglas Eberly, P.E.
 John Stetts, P.E.
 Ronald E. Simpson, P.L.S
 Charalampos Andriotis
 Nathan Brown, EIT

WELCOME NEW STUDENTS:

Jacob Mitolo Isabella Vesce
 Justin Charles Hanwen Mu
 Aaron Adams Austin Barilar
 Qian Zhang Cole Peachey
 Colton Shriner Matthew Keller
 Matthew Leiby Brandon Hummel
 Landon Hertzler Brennan Drapeau
 Taslim Hossain Lucas Bradley
 Eric Belles Regina Peluzzo
 Andrew Keller Lillian Stutzman
 Mason M Letnz Angelica Hunt
 Deepika Sundar Nathaly Gonzalez
 Nicholas Smith Kyle Postlethwait
 Zachary Reed Zachary Hartman
 Frederick Kwedza Shaun Franchak
 Devon Sharon Huber
 Brady James Nye
 Ashlee Bacvinkas
 Chukwuebuka Oragwu
 Rachel Wakeman
 Jacqueline Ferrell
 Mohammad Saifullah
 Victoria Scalamogna
 Sawyer S Freeman
 Connor McCaffrey
 Christopher S Lambert
 Evan C Schneider
 Chandler M Ort

community! Please reach out to me personally for any questions that you may have.

I look forward to seeing you all at our next event!

September Section Meeting

Submitted by: Michelle Madzellan, P.E., Transportation Co-Chair

For our September’s Section meeting, Patrick Wright from Pennoni and teaching at Pennsylvania Local Technical Assistance Program (LTAP), presented on ‘ADA Transition Plans and Self Evaluations’ in Pennsylvania. The presentation was held on September 11, 2019 with a new shorter meeting format.

The session was both informative and an interesting summary of transition plan importance. The presentation placed a high emphasis on accessibility by all within the traveling public and how Municipalities should provide such accessibility. Best put from the LTAP program is that the “plan is a valuable tool to improve accessibility, program future activities, create reasonable priorities, and ward off litigation.”

We appreciate Patrick for sharing his expertise and experiences with the group.

Annual Joint Society Picnic and Casino Night Held in August

Submitted by: Christopher W. Smith, P.E.

Each August, ASCE Central PA Section joins the American Society of Highway Engineers (ASHE) Harrisburg and Women in Transportation Seminar (WTS) Central PA for a night of picnicking and gambling (for fun of course). This year the picnic was held on Friday, August 16th and nearly 100 members and guests were in attendance. The festivities included: a golf chipping competition, social and networking hour, 50/50 raffle with half of the proceeds benefitting each organization’s scholarship funds, and crabs, clams, shrimp, hamburgers and hot dogs for supper. The night concluded with attendees playing casino games like black jack, poker and craps, where play money was won and traded-in for tickets. The tickets were in-turn used for a chance to win prizes like Apple AirPods, a Ring Video Doorbell, and food and spa packages just to name a few. The three organizations are planning to again hold the joint picnic next August. Hope to see you there!





**GEO-
INSTITUTE**

Susquehanna
Valley Chapter

Geo-Institute News

Join the **Susquehanna Valley Chapter of the Geo-Institute** on **Monday, November 25th** to earn 1.5 PDH credits viewing the webinar entitled Design of Ground Anchors and Anchored Wall Systems presented by Jerry A. DiMaggio P.E., D.GE, M.ASCE.

Food and beverages will be provided courtesy of Central PA ASCE.

Location: American Engineers Training Room at 441 Friendship Road, Harrisburg, PA

Date: Monday, November 25th

Time: Webinar runs from 11:30 pm to 1:00 pm. Please arrive between 11:00 am and 11:15 am to sign in and get seated before the webinar begins

Cost: FREE for ASCE members. \$35 for non-members. Please provide ASCE membership number with RSVP

RSVP: by Friday, November 22th to Tom Imholte by email at timholte@navarrowright.com or phone at (717) 441-2216 (x1144).

Webinar Benefits:

- Learn basics of LRFD based analysis of ground anchors and ground anchor retaining walls
- Continue building on the knowledge gained from previous LRFD webinars
- Examine the possibilities and benefits of improved communications between geotechnical, structural specialists and contractors for ground anchor wall design and construction
- Each attendee earns 1.5 Professional Development Hours (1.5 PDHs)

Webinar Outline: Terminology and types of ground anchor walls

- Lateral earth pressures
- Consideration of surcharges
- Loads and load factors
- Recommended construction practice and the relationship between design and construction of ground anchors and ground anchor walls
- Failure modes and limit states for strength, service and extreme event loading conditions

Webinar Instructor:

Mr. DiMaggio is a principal civil engineer at Applied Research Associates, Inc. in Maryland. He is internationally recognized for his work on design, construction, evaluation, forensic assessment and disputes resolution of structural foundations, earth retaining structures, ground improvement techniques and

earthworks. Mr. DiMaggio has served on a number of projects related to limit state design (LRFD), risk management assessment and management, innovative contracting and accelerated construction. He is the retired Principal Bridge Engineer, and Geotechnical and National Program Manager with the U.S. DOT.

He is an experienced meeting and workshop facilitator for business and technology deployment activities and is recognized for written and oral communication skills and experience. He has provided consulting services on over 1000 civil construction projects in all 50 states, throughout the Americas, several Middle Eastern countries and Australia. He has presented hundreds of seminars and workshops on the geotechnical and foundation features of bridges, buildings, energy facilities, retaining structures and engineered earthworks. He has been a member of the adjunct faculty at several renown universities and an invited Keynote speaker at many national meetings and conferences. Mr. DiMaggio has authored numerous technical papers, edited three civil engineering books and received numerous national and international recognitions for his career contributions.

Mr. DiMaggio has served on the Geo-Institute National Board of Governors and is a Diplomate in the Academy of Geo-Professionals (AGP). He holds B.S. and M.S. degrees in Civil Engineering from Clarkson University in New York and Arizona and is a certified Master Trainer and licensed Contract Arbitrator (AAA).

Hazardous Waste

Executive Summary: Pennsylvania has made notable progress in reducing the amount of EPA-regulated hazardous waste generated and in cleaning up and redeveloping abandoned contaminated sites. From 2005 to 2015, the amount of hazardous waste generated in the Commonwealth annually decreased by 18.5%, for a total decrease of 26.1% since the inception of biennial reporting in 2001. Since 2014, the Commonwealth has been the benefactor of over 1,800 brownfield cleanup sites under the Act 2 Land Recycling Program. Funding for environmental protection within the Commonwealth remains an issue. Although available revenue has modestly increased since 2013, the PADEP general fund still remains approximately 40% lower than it was 15 years ago in 2003. Without action, the environmental values expressed in the Pennsylvania Constitution and progress noted above will be jeopardized.

Compelling Statistic: From 2005 to 2015, the amount of **hazardous waste generated in the Commonwealth annually decreased by 18.5%**, for a total decrease of 26.1% since the inception of biennial reporting in 2001.

Headline: From 2005 to 2015, the Amount of Hazardous Waste Generated in PA Annually Decreased by 18.5%



Central PA Younger Member Group (YMG) Update

Submitted by: Bill Kingston, PE, CFM, Younger Member Group President

September YMG Social/Happy Hour

On Thursday September 26th, the YMG held a social/happy hour at Newfangled Brew Works in Harrisburg, PA. The event brought together Younger Members from across the Central PA area to socialize, network, and sample some of Newfangled's in-house craft beers and food from their in-house taco truck. 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.

Biannual Adopt-A-Highway Litter Clean-up with Cracker Barrel Breakfast

On Saturday October 19th, twelve section members, including student members from Penn State Harrisburg and Messiah College, volunteered their time to help pick up roadside litter during the biannual Younger Member Group's litter clean-up. For over 16 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 breakfast at the nearby Cracker Barrel restaurant, courtesy of the YMG. The spring clean-up is tentatively scheduled for Saturday April 18th, 2019. Be on the lookout for an event invite come springtime. We hope to see you there!



Upcoming Events

Fall 2019 Adopt-A-Highway Litter Clean-up Participants from the Central PA Younger Member Group, Messiah College, and Penn State Harrisburg

- **RHI Magnesita Refractories Technical Tour - November 19, 2019 at 3 PM – York, PA**

RHI Magnesita is a global supplier of refractories for the steel, copper, cement, and glass industries. The York Plant produces magnesium-based refractories from dolomite mined on site. The tour will consist of seeing the raw materials side of the refractory production plant. Our first stop will be an overview of the quarry, where we will talk about mining methods, mine development, quality control, environmental compliance, among other topics. Stop 2 will be at the rotary kilns, where the stone is sintered to produce the refractory. Stop 3 will be at the brick plant, where bricks are pressed and fired in the tunnel kilns. See YMG email for additional details.

- **Annual Hershey Bears Section Hockey Game – December 7, 2019 at 7 PM – Hershey, PA**

Join the ASCE Central PA YMG for our Annual Hershey Bears Section Hockey Game at the Giant Center. Come out and watch the Bears take on the Lehigh Valley Phantoms! Tickets for members and their guests are subsidized by the YMG and can be purchased at a discount of 33% for adults (\$15) and 55% for students and children (\$10). All Section Members and their guests are invited! Additional details will be provided in a Section-wide email.

We are always on the lookout for new events to hold or co-sponsor/participate in and volunteer opportunities, so if you have any ideas, we'd love to hear about them. Additionally, we are looking for motivated individuals who would like to get more involved in the YMG and help plan and lead events. If you are interested, please contact Bill Kingston at wkingston@gfnet.com or speak to an officer on the Section Board at a future ASCE event.

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. 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.

York College's First "Engineering the Future" Event

Save the date and plan to join us for a special evening for engineers and the public at York College. On Thursday, 2 April 2020 at 5:30 PM York College will hold their first Engineering the Future event. The evening's activities will include a renowned speaker followed by an Industry and Student Reception. Our speaker for this inaugural event will be Stephen J. Ressler, P.E., Ph.D., Dist.M.ASCE, F.ASEE, presenting a talk entitled "The Suspension Bridge: A Case Study in the Evolution of Engineering Design" at the Waldner Performing Arts Center at York College; 1 PDH will be available.

Dr. Stephen Ressler is Professor Emeritus from the U.S. Military Academy (USMA) at West Point, NY. Prior to his retirement from the Academy in 2013, he served as Professor and Head of the USMA Department of Civil and Mechanical Engineering. He holds a B.S. degree from USMA, M.S. and Ph.D. degrees in Civil Engineering from Lehigh University, and a Master of Strategic Studies degree from the U.S. Army War College. He is a registered professional engineer in Virginia. He served for 34 years as a commissioned officer in the U.S. Army Corps of Engineers and retired at the rank of Brigadier General. Steve served in a variety of military engineering assignments in the U.S., Europe, Africa, and Central Asia, including service as Deputy Commander of the New York District, Corps of Engineers. In 2007, he deployed to Afghanistan to develop a civil engineering program for the newly created National Military Academy of Afghanistan (NMAA) in Kabul. Dr. Ressler's passion is engineering education. He has produced four on-line engineering lecture series for The Great Courses (<http://www.thegreatcourses.com/>), achieving some of the highest customer satisfaction ratings in the company's 25-year history. He is a frequent guest lecturer at universities, museums, and professional society events, and on cruise ships. He has taught as an Adjunct Professor at Lehigh University and also serves on three national-level education committees of the American Society of Civil Engineers (ASCE). He was the developer and director of the West Point Bridge Design Contest, a nationwide online engineering competition that engaged over 100,000 middle school and high school students between 2001 and 2016. Steve has written over seventy scholarly papers on engineering accreditation, curriculum assessment, faculty development, teaching techniques, K-12 engineering outreach, and information technology. Among his many awards he is a winner of the 2011 ASCE Outstanding Projects and Leaders (OPAL) Award, the ASCE Leif Sverdrup Award for Civil Engineering Management, the ASCE ExCEEEd Leadership Award, the ASCE President's Medal, the American Association of Engineering Societies Norman Augustine Award for Outstanding Achievement in Engineering Communications, in 2000 and was named a Distinguished Member of ASCE.



Following the pre-station we will be holding a special reception for engineers and students at the York Agricultural & Industrial Museum, heavy appetizers and drinks will be served. We hope you will be able to join us for this special evening. Both the events are free, and more details will be forthcoming.

Save The Date
April 22 – 24, 2020

**31st Central Pennsylvania
Geotechnical Conference
Hershey, Pennsylvania**

- **Cody Telgheder** – Underpinning at a Nuclear Site Remediation
- **Cameron Troxel** – Large Diameter Fiber Reinforced Polymer Monopile Dolphins
- **Ed Laczynski** – LRFD
- **Gunaratnam Gnana** – US-301 Test Pile Program
- **James Long** – DCNR Dams – Restoration Priorities
- **Jeff Goodwin** – Drilled Shaft Testing and Redesign at Guilford Reservoir
- **Dr. Robert Holtz** – Prefabricated Vertical Drains – Case Histories
- **Dr. Robert Bachus** – TBD
- **Mark McNeilly** – Foundation Design for Steel Arch Railway Bridge over Genesee River
- **Allen Cadden** – Hybrid Retaining Wall at Yeager Airport
- **Michael Sydlik** – Permanent Sheet Pile Wall System – PA Turnpike MP 40.84WB
- **Dr. Ray E. Marlin** – Issues Related to Geotechnical Data Provided for Dam Foundation Grouting
- **Dr. Sebastian Bryson** – Calibration of Satellite-Derived Factor of Safety using Sensor Data
- **Stephanie Chechak** – Landslide Remediations for Highway Projects in Western PA
- **Dr. John Turner** – Case History of Engineering in Rock: Bridge Over the Rouchleau Pit, MN

To register, exhibit and obtain further information, visit our website at:

<https://central-pa-asce-geotech.org/>

Registration questions - Casey R. Grzybowski at: kcgriz@gmail.com
Exhibit questions - Bruce Stegman at: bruce.stegman@comcast.net





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TPD welcomed Adam Supplee, RLA, AICP, LEED AP and Liam Cleary, ASLA to their Multimodal and Municipal Services Teams. With a combined 28 years of landscape architecture & municipal planning experience, they are expanding TPD’s capabilities to include: landscape architecture; municipal land planning; parks & recreation master planning; sustainable land development; planting design; greenway & open space planning; streetscape design; and site lighting design. Leveraging their passion for improving community sustainability, recent focuses have also been on land development; trail feasibility & design; playground design; bikeshare site design; and complete streets planning/design. Mr. Supplee is a trustee of the PA/ DE chapter of the American Society of Landscape Architects (ASLA). Mr. Cleary is an associate member of the chapter, where he serves as a Public Awareness Rep. on the Executive Committee. He is also a member of the Council of Landscape Architectural Registration Boards (CLARB).

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Buildings

Larson Design Group (LDG)'s Bridge Design and Construction Inspection departments were recognized recently for transforming the structurally deficient Lycoming County Bridge No. 106, located in McIntyre Township, into a new, safe and efficient crossing of Lycoming Creek. The Pennsylvania Highway Information Association awarded the \$2.23 million project with its 2019 County Commissioners Association of PA (CCAP) Award, which recognizes projects undertaken by Pennsylvania's counties. The previous bridge, which was the only point of entry to the Sheshequin Campground, had become structurally deficient since its construction

more than 50 years ago and made maneuvering motorhomes and RVs in and out of the campground difficult due to a narrow curb-to-curb width. The new bridge features a curb-to-curb width of 32 feet and includes a larger parking area for fishermen, kayakers and swimmers. The project also included the planting of 50 trees that will help stabilize Lycoming Creek's bank.

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Treating our Communities

Transportation Engineer, Michelle Madzelan, PE, and her children recently represented ELA Group, Inc. with treats, no tricks, at two community Halloween events.

Madzelan, daughter Emily and son Carter gave out candy and prizes from traffic cones at the First Annual Trunk or Treat and Blood Drive on October 19th, the event was sponsored by Charles F. Snyder Funeral Homes & Penn Medicine Lancaster General Health; and on October 26th the Manchester Township Recreation Commission held their First Annual "Halloween in the Park". Madzelan and family dressed up in hard hats and safety vests and

decorated with traffic cones and caution tape, all tools of her trade.

Both events were free for participants and well attended by little princesses, ghosts, superheroes and their parents. Our thanks to the Madzelan family for taking the time to give back to the communities ELA Group lives and works in.



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Susquehanna Civil Inc. is proud to announce the promotion of Rosanna Smithnosky, PE to the position of President-Elect. Ms. Smithnosky will assume the role of President in January 2020. Ms. Smithnosky currently serves on the Susquehanna Civil Board of Directors, the WTS Advisory Board, and both the ACEC PA Board of Directors and the Quality Committee. She is a graduate of the University of Pittsburgh with a B.S. in Civil Engineering and has been a registered Professional Engineer in Pennsylvania for over twenty-two years. From the President-Elect: "I am honored to accept this Presidency role to continue strengthening SCI's client

relationships and services. I look forward to continuing the development of a company that provides opportunities for women and for our family of employees. Lea Nadler's unique vision to create a client focused company that supports opportunity for all does, and will continue to inspire me in the years ahead."

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A New Chapter in Tolling Advice and Support: Gannett Fleming Acquires TTI Consulting

Gannett Fleming continues its unprecedented expansion with the acquisition of Traffic Technologies, Inc. (TTI), a world-class consultant with hands-on experience in all aspects of the tolling industry. This is the fifth acquisition for Gannett Fleming in the last 13 months.

“Our industry is ever-changing, and this acquisition positions us for the evolution in urban congestion tolling, road user charging, and connected and automated

vehicles,” said Bob Scaer, PE, Gannett Fleming chairman and CEO.

For more than 20 years, TTI has provided clients comprehensive tolling advisory services via planning, design, and project management. As 21st century roadway management accelerates into the fast lane, TTI delivers the critical services and systems support that keep tolling agencies up to speed on industry best practices and the latest proven technologies. TTI serves more than 25 clients across the U.S., including the Port Authority of New York and New Jersey, the North Carolina Department of Transportation, the Oklahoma Turnpike Authority, and the Golden Gate Bridge Highway and Transportation District.

Events

Event	Date	Location
November Dinner Meeting	November 13, 2019	Radisson Hotel, Camp Hill
YMG Quarry Tour	November 19, 2019	RHI Magnesita Refractories, York
YMG Hershey Bears Hockey Game	December 7, 2019	Giant Center, Hershey
ASCE Family Christmas Party	December 18, 2019	TBD

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

Greenman-Pedersen, Inc. – [Senior Highway Engineer](#), [Senior Bridge Engineer](#)

Larson Design Group – Project Manager, Construction Inspection

Modjeski and Masters, Inc – Entry Level Experienced Inspectors

Susquehanna Civil – Water Resource Designer, Highway Designer, Structural Designer, Right-Of-Way/Utility Coordinator, Survey CVAD Drafting Technician

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.

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.