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*2022 Annual Conference*  
October 5-7, 2022

**PAEP**  
PENNSYLVANIA ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

**Ramada Conference Center**  
1450 South Atherton Street  
State College, PA 16801



# SCHEDULE-AT-A-GLANCE

## Wednesday, October 5, 2022

12:00 pm	Registration open
9:00 am–5:00 pm	<b>PAEP Short Course: Stormwater and Urban Soils</b>
2:00 – 6:00 pm	Exhibitor setup
6:00–7:00 pm	Welcome Reception with Exhibitors (with fun activity) <i>Heavy hors d'oeuvres/cash bar with exhibitors</i>

## Thursday, October 6, 2022

7:00 am	Registration open
7:30–8:30 am	Morning networking with exhibitors
8:30–8:45 am	<b>Welcome: PAEP President</b>
8:45–10:00 am	<b>Regulatory Update: Waterways and Waters of the U.S.</b>
10:00–10:30 am	Break with exhibitors
10:30 am–12:00 pm	<b>General Session: Wetland and Waters Mitigation - Regulatory Updates</b>
12:00–1:30 pm	Luncheon and Keynote Presentation
1:30–2:00 pm	Dessert with exhibitors
2:00–3:00 pm	<b>Breakout Session 1: Regional Approach of Stream Restoration and other Green Infrastructure Solutions to Improve Water Quality</b>
	<b>Breakout Session 2: Weathering the [Storm] Water Lessons Learned: Construction Monitoring of Green Infrastructure BMPs</b>
3:00–3:15 pm	Break with exhibitors
3:15–4:15 pm	<b>Breakout Session 3: Environmental Compliance Tracking to Ensure Permit Compliance, Environmental Management and Ecological Stewardship</b>
	<b>Breakout Session 4: Streamline your Stream project: PASHARE and PA SHPO Environmental Review</b>
4:15–4:30 pm	Break with exhibitors
4:30–6:00 pm	<b>PennDOT Environmental Updates / Stafford Act, Recreational Grants, Quality Permitting Initiatives, and ECMTS</b>
6:00–6:30 pm	Reception with Exhibitors
6:30–8:30 pm	Dinner & Awards Presentation

## Friday, October 7, 2022

7:30 am	Registration open
7:30–8:30 am	Morning networking with exhibitors
8:30–9:30 am	<b>Breakout Session 5: Clean Water Act Section 316 after 50 Years - What has it meant for power generation in Pennsylvania</b>
8:30–9:30 am	<b>Breakout Session 6: Pre-Construction Phase I Environmental Site Assessments (ASTM 1527-21) and Pre-Demolition Surveys</b>
9:30–10:30 am	<b>General Session: FHWA NEPA Evaluations Regulatory Update</b>
10:30–10:45 am	Break with Exhibitors
10:45–12:00 pm	General Membership Meeting/Board of Directors Meeting
12:00 pm	Conference adjourns

# SCHEDULE

## Wednesday, October 5, 2022

12:00 pm

Registration open

9:00 am–5:00 pm

**PAEP Short Course: *Stormwater and Urban Soils***

*Mike Callahan, CPSS, Soil Hub*

In this one-day event, we will explore soils related to their use in stormwater management with a particular emphasis on urban soil issues and amended soils. We will have both classroom and field discussions and participants will get some hands-on experience. Great for professionals who work with soils in stormwater and E&S as well as urban environments.

The cost for this course (includes all materials, morning refreshments, lunch, and afternoon break) is \$125 for PAEP members and \$155 for non-members. In order to register for this course **(it is not included in the PAEP Conference registration fee)**, please complete the requested information on the registration page. Note: Registration cut-off date for PAEP members is September 23rd. Non-member cut-off is September 23rd. We strictly adhere to these cut-off dates in order to adequately prepare for the course.

2:00–6:00 pm

Exhibitor setup

6:00–7:00 pm

Welcome Reception with Exhibitors (with fun activity)  
*Heavy hors d'oeuvres/cash bar with exhibitors*

## Thursday, October 6, 2022

7:00 am

Registration open

7:30–8:30 am

Morning networking with exhibitors

8:30–8:45 am

**Welcome: PAEP President**

8:45–10:00 am

**Regulatory Update: *Waterways and Waters of the U.S.***

*Mike Danko, U.S. Army Corps of Engineers, and Frank Plewa, U.S. Army Corps of Engineers, Baltimore District*

Current Status of Definition of Waters of the United States: This topic will discuss the most current status of the definition of water of the United States in light of U.S. Supreme Court rulings and regulations promulgated by the Corps and EPA. Current options for Clean Water Act jurisdictional determinations will be summarized.

USACE Compensatory Mitigation Options in Pennsylvania: This discussion will focus on current compensatory mitigation options, including compensatory mitigation banks, in-lieu fee mitigation programs, and permittee responsible mitigation. The presentation will briefly outline requirements of the 2008 Corps/EPA Mitigation Rule, mitigation banking opportunities including information that is available on the Regulatory In-lieu Fee and Bank Information Tracking System (RIBITS) website, how the PADEP in-lieu fee mitigation program currently interfaces with the Mitigation Rule, and permittee responsible mitigation as a last resort. Brief question and answer session will follow.

10:00–10:30 am

Break with exhibitors

10:30–12:00 pm

**General Session: *Wetland and Waters Mitigation - Regulatory Updates***

*Dave Goerman, PADEP, and Michael Sachs, RES*

PADEP will present on the PA Function-Based Aquatic Resource Compensation Protocol, which went into effect on March 1, 2022, as well as more recent updates. Presentation will discuss the Robinson Fork Mitigation Bank Project; RES has completed the assessment, design, permitting, construction and 5+ years of monitoring for the state's largest mitigation bank: The Robinson Fork Mitigation Bank in Washington County, Pennsylvania. As described by the PA Environment Digest, "ecological restoration project activities will occupy a significant portion of the Robinson Fork Watershed, nearly 7¼ square miles," or over 30% of the 20 square mile watershed in Phase I. The project accomplished a watershed-scale restoration within a four-year period.

# SCHEDULE

## Thursday, October 6, 2022 (continued)

12:00–1:30 pm

### **Luncheon and Keynote Presentation**

*Scholarship awards will be presented at this time, along with a presentation by Professor Tammy Shannon about the ERM Penn State Program and its 50-year anniversary*

1:30–2:00 pm

Dessert with exhibitors

2:00–3:00 pm

### **Breakout Session 1: Regional Approach of Stream Restoration and other Green Infrastructure Solutions to Improve Water Quality**

*Lisa Clementoni, PWS, & Jason Moses, Borton Lawson*

Due to aging infrastructure being at or near the end of its useful life, and signs of failure appearing, regulatory agencies are requiring communities to do more to manage stormwater. Identifying specific entities, including municipalities, authorities, state and federal agencies, property owners, and a variety of non-profit organizations is key in forming effective partnerships to key to keeping the cost of stormwater improvements manageable, while maintaining MS4 compliance. Borton Lawson will be giving real world examples of green Infrastructure best management practices, ranging from stream restoration to rain gardens to detention basin retrofits. One green infrastructure solution that will be presented in detail is stream restoration and the projects that BL designed, permitted and constructed to date. Our approach on these projects is to blend a multidisciplinary team of water resource engineers, restoration ecologists, environmental specialists, and regulators to develop a sustainable solution that is founded in sound engineering and science.

### **Breakout Session 2: Weathering the [Storm] Water Lessons Learned: Construction Monitoring of Green Infrastructure BMPs**

*Paul Miller, NGICP, ISA, CPESC, Will Erdman, ISA & Joshua Best, ISA - Davey Resource Group, Inc.*

The intended purpose of this session is to present and discuss the various aspects of monitoring and managing construction projects related to ecological restoration with an emphasis on constructed stormwater wetlands. Our DRG staff presenters have over 20 years of experience as New York City Department of Environmental Protection (NYCDEP) / New York City Department of Design and Construction (NYCDDC) as approved restoration specialists / construction monitors on multiple NYCDEP projects. Relevant experience from similar types of construction / restoration projects such as wetland mitigation and restoration, remedial restoration and landfill restoration for various agencies such as the New Jersey Department of Environmental Protection (NJDEP), New York City Economic Development Corporation (NYCEDC) and New York City Department of Parks and Recreation (DPR) will also be incorporated. The webinar is structured to address potential pre-construction tasks and preparation; tasks conducted during construction, post-construction maintenance and monitoring and the importance of communication. The intended audience for the webinar includes junior inspectors / designers seeking enhanced experience with similar types of projects as a reference on what to anticipate and potential pitfalls to be mindful of, as well as seasoned inspectors and/or designers that may have been involved with only certain aspects of a project.

3:00–3:15 pm

Break with exhibitors

# SCHEDULE

## Thursday, October 6, 2022 (continued)

3:15–4:15 pm

### **Breakout Session 3: Environmental Compliance Tracking to Ensure Permit Compliance, Environmental Management and Ecological Stewardship**

*Ben Morrow, William Meredith, & William Carpenter – McCormick Taylor*

This presentation will provide an overview of a successful "Environmental Compliance Program" that includes tracking tools and web-based applications to create compliance assurance mechanisms and provide boots on the ground environmental monitoring to relay the myriad of environmental issues that can arise during construction. Compliance monitoring focus areas can include: E&SC, wetlands/waterways, T&E species, vegetation, terrestrial wildlife, Avian species, cultural resources and many others. The presentation will go step by step through the process that was developed to integrate environmental monitoring tools and compliance into a construction program. It will describe: roles and responsibilities, required knowledge, skills and experience for the environmental monitors, communication tools, issue resolution and interaction with regulatory agencies. This presentation will also discuss the benefits and the challenges of a successful Environmental Compliance Program, and how the environmental monitors have been successful in complimenting the construction management staff to evolve into essential team members.

### **Breakout Session 4: Streamline your Stream project: PASHARE and PA SHPO Environmental Review**

*Emma Diehl & John Gardosik, Pennsylvania State Historic Preservation Office*

PA-SHARE (Pennsylvania's Historic & Archaeological Resource Exchange) is the Pennsylvania State Historic Preservation Office's GIS and project management system. This session will focus on introducing conference attendees to PA-SHARE and how it is used to streamline project planning and consultation with the PA SHPO. After a brief introduction to the PA SHPO and Section 106 and Pennsylvania History Code consultation with our office, PA SHPO staff will focus on how to find and utilize PA-SHARE's tools and data for project planning, submitting projects, and managing communications with PA SHPO staff through real-time demonstrations using suggestions from the audience. Topics to be covered include creating your account and signing in, how to search, how to submit projects, the importance of adding project contacts, PA SHPO communications and what to expect. This hands-on demonstration format encourages dialogue and Q&A throughout the presentation.

4:15–4:30 pm

Break with exhibitors

4:30–6:00 pm

### **PennDOT Environmental Updates / Stafford Act, Recreational Grants, Quality Permitting Initiatives, and ECMTS**

*Drew Ames, Nick Vivian, Nicole Auker, & Bryon Ruhl – Environmental Policy and Development Division / Bureau of Design and Delivery PA Department of Transportation*

Topics to be discussed include:

- Recreational Grant Process Overview including LWCF Conversion Process
- Stafford Act Process Overview
- Update on the Quality Permitting Initiative
- ECMTS Update including Process and Training

6:00–6:30 pm

Reception with Exhibitors

6:30–8:30 pm

### **Dinner & Awards Presentation**

*Keynote Speaker: Former PADEP Secretary Patrick McDonnell*

*Following dinner, PAEP will recognize and present awards to this year's winners of the Karl Mason and Walter Lyon awards for their individual or organization's contribution to the field of environmental management in Pennsylvania.*

# SCHEDULE

## FRIDAY, OCTOBER 7, 2022

7:30 am	Registration open
7:30–8:30 am	Morning networking with exhibitors
8:30–9:30 am	<p><b>Breakout Session 5: Clean Water Act Section 316 after 50 Years - What has it meant for power generation in Pennsylvania</b></p> <p><i>John Young, ASA Analysis &amp; Communication, Inc.</i></p> <p>Section 316 of the Clean Water Act, which regulates cooling water discharges and intake structures, was enacted in 1972, a time when electric generating capacity was expanding rapidly. The statute provided the regulatory structure for heated water discharges, and required that impacts from entrainment and impingement of aquatic life be minimized. The choices for technology to minimize adverse impacts are site-specific, but depend heavily on available cooling water sources. Pennsylvania's stations had to rely on inland rivers, rather than large lakes or the ocean, which led to heavy reliance on closed cooling systems. The aging of the generation fleet and the evolution of generation technology are rapidly reducing the environmental significance of Section 316, and the bonanza of employment opportunities that the statute provided for aquatic biologists is winding down.</p> <p><b>Breakout Session 6: Pre-Construction Phase I Environmental Site Assessments (ASTM 1527-21) and Pre-Demolition Surveys</b></p> <p><i>Angelo Waters, PE, LEED AP, Urban Engineers, Inc.</i></p> <p>Phase I Environmental Site Assessments, Pre-Demolition Building Surveys. At the end of this presentation, participants will be able to: discuss the four components of a Phase I ESA (updated to ASTM 1527-21); discuss the importance of performing a Phase I ESA and pre-demolition building surveys; discuss what pre-demolition building surveys are and why they are needed. We will also discuss emerging contaminants (i.e. PFAS).</p>
9:30–10:30 am	<p><b>General Session: FHWA NEPA Evaluations Regulatory Update</b></p> <p><i>Camille Otto, FHWA</i></p>
10:30–10:45 am	Break with Exhibitors
10:45–12:00 pm	General Membership Meeting/Board of Directors Meeting
12:00 pm	Conference adjourns



# SPEAKERS

## Drew Ames



Drew Ames is an environmental planning manager at PennDOT. His primary responsibilities include NEPA policy, T&E Species, Section 4(f), Section 6(f), natural resources, and interagency coordination. Drew has 26 years' experience with NEPA and has been with PennDOT for 11 years. Drew has a Bachelor's of Humanities in Communications from the Pennsylvania State University and a Master's of Science in Community and Regional Planning from Temple University.

Drew Ames | [johname@pa.gov](mailto:johname@pa.gov) | 717-705-1481

## Nicole Auker

Nicole Auker has been an environmental planner with PennDOT since 2015. Prior to her time at PennDOT, she worked eight years as a continuity planner for the PA Treasury Department. She has experience working with NEPA policy, recreational grants, natural resources, and interagency coordination. Nicole has a Bachelor's degree in communications from Kutztown University and Master's in Community and Regional Planning from Temple University.

Nicole Auker | [nauker@pa.gov](mailto:nauker@pa.gov) | 717-787-0460

## William Carpenter, PE



William Carpenter (Will) is Penn State graduate and Professional Engineer with 13 years of experience in the fields of Water Resources, Environmental Resource Permitting, Construction Oversight for Environmental Permit Compliance, and Environmental Site Assessments. His experience is primarily with/for State Departs of Transportation, Oil and Gas Utilities, Electrical Transmission/Distribution Utilities, and Municipalities.

His professional experience includes the engineering and design of Stormwater Management features, Hydrology and Hydraulic Analysis for a multitude of projects, Engineering and Design of Erosion and Sediment Control plans for both linear and site design projects, Construction Oversight for Environmental Permit Compliance, implementation of Phase I and Phase II Environmental Site Assessments, and knowledge of Unified and AASHTO soil classification standards.

William Carpenter | [wrcarpenter@mccormicktaylor.com](mailto:wrcarpenter@mccormicktaylor.com)

## Lisa Clementoni, PWS



Lisa currently holds over 22 years of experience in the environmental consulting field, currently focusing on stream restoration and green infrastructure related projects as a Project Manager in the Water Business Unit at Borton Lawson. She has worked on a wide range of environmental, land development, power, transportation, industrial and water resources related projects. Lisa conducts wetland delineations on various sites and prepares and secures Chapter 105/Section 404 water obstruction and encroachments permits, such as Joint Permits, General Permits, Waivers, and Environmental Assessments. Lisa has developed a lot of great working relationships with Pennsylvania state agencies over her tenure at Borton Lawson.

Lisa Clementoni | [lclementoni@borton-lawson.com](mailto:lclementoni@borton-lawson.com) | 570-954-0104

## Mike Danko

Mike Danko is a Pittsburgh native and graduated from Juniata College in 1986 with a B.S. in Fisheries Biology. He has been employed with the U.S. Army Corps of Engineers Regulatory Program for 32 years, all with the Baltimore District. Since April 2020, Mike has served as one of the two Mitigation Bank Managers within the Baltimore District involving the evaluation and management of compensatory mitigation banks in both Pennsylvania and Maryland, and he chairs the monthly Pennsylvania Interagency Review Team meetings. Mike has been a member of PAEP since 1999, and also a certified Professional Wetland Scientist with the Society of Wetland Scientists Professional Certification Program, Inc., since 1999. Mike works out of the Carlisle Regulatory Field Office.

Mike Danko | [mike.danko@usace.army.mil](mailto:mike.danko@usace.army.mil) | 717-249-2522

# SPEAKERS

## Patrick McDonnell



Patrick McDonnell's career with DEP spans several decades, beginning in 1998. Prior to becoming secretary in 2016, Patrick served as the department's director of policy. He also ran the State Energy Office, coordinating renewable energy and energy efficiency issues. McDonnell previously served as DEP's Deputy Secretary for Administration, overseeing the agency's budget, human resource and information technology programs. In addition, he spent over three years as executive policy manager for former Public Utility Commissioner Pamela A. Witmer, focusing on electric, natural gas and water issues. Patrick has served several roles with the Environmental Council of the States (ECOS), including president, vice president, treasurer and vice chair of the Innovation and Productivity Committee.

Patrick McDonnell | [pmcdonnell98@gmail.com](mailto:pmcdonnell98@gmail.com)

## Paul S. Miller, CPESC, ISA Arborist, NGICP



Paul S. Miller has a degree in Natural Resources Management from Rutgers University and has over 27 years of experience in the field. Mr. Miller's is highly experienced in environmental construction monitoring and post-construction monitoring for large infrastructure, site remediation and commercial development projects. He has performed monitoring of wetland mitigation and stream and riparian corridor restoration sites in New Jersey during the construction (excavation, grading), stabilization (erosion controls) and restoration phases as well as post construction. He has monitored construction of multiple large, constructed wetlands for regional stormwater management, restored wetlands, ponds and stream corridors for stormwater management, sanitary sewer and water supply projects sponsored by the New York City Department of Environmental Protection (NYCDEP) Bluebelt program in Staten Island, NY. He is an approved Wetland Restoration Specialist with NYCDEP. His environmental construction monitoring duties have also included monitoring project compliance with federal, state and local permit requirements. Mr. Miller has also overseen construction and contributed to design of upland as well as wetlands habitat restoration projects in New Jersey and New York. Mr. Miller is an ISA Arborist and has performed tree inventories and specified and overseen implementation of tree protection measures for construction infrastructure projects. Mr. Miller is a Certified Professional in Soil Erosion and Sediment Control (CPESC) and has extensive field experience implementing, maintaining and modifying in-place erosion controls on active construction sites. Mr. Miller has also designed erosion control plans and routinely provides technical assistance with in-place and proposed controls. Mr. Miller has also performed biological inventories and wetland delineations and has prepared wetland permit applications in New Jersey and New York has designed wetland mitigation/restoration plans.

Paul Miller | [paul.miller@davey.com](mailto:paul.miller@davey.com) | (908) 788-9676

## Ben Morrow, CC-P



Ben leads the strategic growth, quality assurance, operations, and development for McCormick Taylor's Energy Sector throughout the Mid-Atlantic region and adjacent states. His more than 20 years' experience in the environmental/natural resource field, specializing in environmental permitting and environmental compliance, has given him a thorough understanding of environmental laws and regulations and how they pertain to all phases of project development. Experienced in business development with our existing client base and emerging clean energy markets, Ben has forged key relationships, broadening our depth and breadth of services.

Ben previously served as a senior environmental project manager for McCormick Taylor's energy group, through which he was involved with numerous individual tasks and involvement in all phases of project development. He provides guidance and supervision for our energy staff throughout the company. In this time, he has worked on transportation, municipal, and energy sector projects.

Ben Morrow | [ebmorrow@mccormicktaylor.com](mailto:ebmorrow@mccormicktaylor.com) | 443-564-3797

# SPEAKERS

## Jason Moses, PWS



As an Environmental Scientist, Jason has over 20+ years of experience in the environmental consulting and water quality field. He completes Environmental Evaluations for natural gas development, land development, highway projects, master plans, and stream improvement projects. Sites evaluated include medical, industrial, educational, and commercial facilities. Jason conducts wetland delineations on various sites for planned development and natural resource planning and is responsible for the preparation and submission of Chapter 105/Section 404 permits which include various types of water obstruction and encroachment activities. One of Jason's expertise at Borton Lawson is Environmental Assessment and the implementation of the aquatic resource function-based compensatory mitigation requirements in the more recently published Pennsylvania Function-Based Aquatic Resource Compensation Protocol.

Jason Moses

## Camille Otto



Cam has been with the FHWA in the Pennsylvania Division for 11 years. She began her career with FHWA as the Environmental Program Manager, where she provided guidance and oversight of the environmental program, performed environmental reviews for several Districts, and guided Metropolitan Planning Organizations in development of TIPs and LRTPs, participated in certification reviews, determined funding eligibility and assisted with right-of-way functions. In 2020, Cam was selected as the Team Leader for Environment and Planning. In this role, she oversaw the planning and environmental teams, instituting a complex program and continuing to provide guidance and perform environmental reviews for several PennDOT Districts. In July 2021, Cam was promoted to Director of Planning, Environment & Finance for the Pennsylvania Division office where she provides oversight for these 3 programs. She is actively overseeing the PEL for the State College Area Connector and PennDOT's Alternative Funding PEL Study. In addition, she is a National Highway Institute (NHI) Certified Instructor for both the NEPA course and the Section 4(f) course.

Prior to her time at FHWA, she worked in the private sector as a consultant, preparing environmental documents related to the National Environmental Policy Act (NEPA) and Section 4(f), as well as developing environmental policy and procedures for state DOTs. She graduated from the Pennsylvania State University with a B.S. in biology/ecology, and credits PAEP's resume posting opportunities for assisting her in finding her first job out of college. Cam has 24 years of experience in the transportation field.

Camille Otto | [camille.otto@dot.gov](mailto:camille.otto@dot.gov) | 717-221-2238

## Frank Plewa



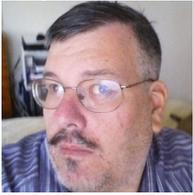
Frank Plewa is a Wetland Specialist with the USACE Baltimore District Regulatory Branch. He serves as a subject matter expert and lead instructor for the District for wetland delineation and assessment, aerial photo interpretation, and federal regulatory jurisdiction. He is currently leading an interagency team to develop a rapid wetland assessment methodology for Maryland. Prior to his current position, he spent three decades as an enforcement and compliance inspector, also with the Baltimore District.

Frank's 38 years of federal service started with nearly four years as a biologist with the U.S. Fish and Wildlife Service. He is an outdoorsman on and off the clock; his outdoor profession spilled over into his personal pursuits, or maybe it's the other way around. He is an avid waterfowler and trains retrievers part time to help fill up his off-duty hours.

Frank Plewa | [Frank.Plewa@usace.army.mil](mailto:Frank.Plewa@usace.army.mil) | 717-249-2522

# SPEAKERS

## Bryon S. Ruhl



Bryon S. Ruhl is the Central Office Permit Coordinator in the Bureau of Design and Delivery, Environmental Policy and Development Division, for the Pennsylvania Department of Transportation (PennDOT), a position he has held since 2011. Mr. Ruhl is responsible for coordinating and assisting the Districts with chapter 102 and chapter 105 permitting concerns, PennDOT wetland banks and is the lead for the Keystone Environmental ePermitting System (KEES). Mr. Ruhl coordinates with DEP, county conservation districts, and other resource agencies to ensure consistency across the state and assist with concerns as they arise. Additionally, he coordinates with the resource agencies to address concerns related to wildlife crossings, invasive species, and aquatic resources. Mr. Ruhl received a BS in Environmental Resource Management from The Pennsylvania State University in 2000. He has worked for the Berks County Conservation as an Urban Reviewer 10 years and worked on the Erosion and Sediment Pollution Control Program Manual in addition to the last 11 years at the Department of Transportation.

Bryon Ruhl | [bruhl@pa.gov](mailto:bruhl@pa.gov) | 717-787-0457

## Tammy Shannon, M.Ed.



Tammy Shannon is an Academic Advising Coordinator and Course Instructor for the Environmental Resource Management program at a Penn State. She is skilled in Study Abroad Programming, Alumni Relations, Academic Advising, and Curriculum Development. Her research area focuses on adult, first-generation college students, sense of belonging and resilience. She focuses on strong community outreach and internship coordination experience. Her teaching areas include first year student engagement, as well as study abroad courses to Antarctica, Costa Rica, Patagonia and New Zealand. Developing student engagement in the areas of research, internships and study abroad are priorities. She is located within the Institute of Sustainable Agriculture Food and Environmental Science (SAFES) in the College of Agricultural Sciences at Penn State.

Tammy Shannon | [tmb5352@psu.edu](mailto:tmb5352@psu.edu)

## Andrew Terbovich, PE



After graduating from Penn State's Environmental Systems Engineering program, Andy Terbovich started his career working as an environmental specialist and engineer in the oil and gas industry. He worked for Chevron in both Louisiana and California and supported a wide range of operation types and environmental concerns, such as onshore and offshore oil and gas production, natural gas processing plants, shorebase/shipping operations, grid-tied cogeneration power plants, and more. Through his experience with Chevron and the process of getting his professional engineering license, Andy realized that his professional work interests and skillset was more aligned with programming and development work than direct compliance and regulatory work. He shifted into application development full time, and now he helps McCormick Taylor build applications for energy companies to maintain environmental compliance.

Andrew Terbovich | [agterbovich@mccormicktaylor.com](mailto:agterbovich@mccormicktaylor.com)

## Nicholas A. Vivian



Nicholas A. Vivian is the Hydrology and Hydraulics Section Manager, in the Bureau of Design & Delivery, Environmental Policy and Development Division, for the Pennsylvania Department of Transportation (PennDOT), a position he has held since 2019. Mr. Vivian is responsible for the formulation and implementation of the statewide engineering policies for all design and subject matter related to Hydrology and Hydraulics. Mr. Vivian directs a statewide program for quality assurance in the field of Hydrology and Hydraulics, amongst many other responsibilities involving Hydrology and Hydraulics design and modeling, stormwater design and modeling, Hydrology and Hydraulics standards, scour countermeasure design for bridges, environmental permitting, and Bridge monitoring of extreme weather events. Mr. Vivian received an BS in Civil Engineering Technology from the University of Pittsburgh at Johnstown in 2001. He has worked in consulting for 6 years in addition to the last 15 years at the Department of Transportation. He is a licensed Professional Engineer.

Nicholas A. Vivian | [nvivian@pa.gov](mailto:nvivian@pa.gov) | 717-787-3590

# SPEAKERS

## John Young, Ph.D. Principal Scientist – ASA Analysis & Communication, Inc.



Dr. Young has more than 40 years of experience in aquatic impact assessments and ecological studies in marine, estuarine, and freshwater aquatic habitats. He has worked both as a consultant and within the utility industry on facility-specific projects for Clean Water Act §316(a) and (b), and on many projects that are important to the generating industry as a whole. Dr. Young has supported the utility industry through participation in various technical forums and providing input to USEPA rulemaking activities and many technical projects on entrainment, impingement, and impact assessment. He has also provided expert testimony in facility-specific legal proceedings on alternative technology options for §316(b) compliance. Dr. Young is currently Vice President and Principal Scientist with ASA Analysis & Communication, Inc.

John Young | [jyoung@asaac.com](mailto:jyoung@asaac.com) | 814-278-0482

## Angelo Waters



Angelo Waters is the Vice President of Environmental Services at Urban Engineers, Inc. Urban is comprised of more than 450 professionals skilled in planning, design, environmental, and construction support services. As Urban's environmental services practice leader, Angelo manages, performs, and reviews projects involving NEPA compliance, environmental management systems, sustainability initiatives, Phase I/Phase II Environmental Site Assessments (ESA), in-situ and risk-based remediation, asbestos investigations, and site development/stormwater management efforts. He provides environmental services to transit and rail authorities, transportation agencies, private developers, and industries. Angelo has presented several environmental training courses on topics including NEPA and state environmental quality reviews, hazardous material assessments, and stormwater management.

Angelo holds a B.S. in Environmental Engineering and an M.S. in Engineering Management; both from Drexel University. He is a registered PE in six states. Mr. Waters was honored with the 2013 Philadelphia Business Journal 40 under 40 award and was the recipient of the 2015 ASCE Philadelphia Section Environmental Engineer of the Year award. Angelo is the Past-President of the Philadelphia Section of ASCE.

Angelo Waters | [ajwaters@urbanengineers.com](mailto:ajwaters@urbanengineers.com) | 215-284-3161

## Thank you to our sponsors:



# REGISTRATION

## Hotel

### Ramada by Wyndham State College Hotel & Conference Center

1450 S Atherton St, State College, PA 16801

Phone: 814-238-3001

**Group Room Rate:** \$89.00 Single/Double Occupancy (plus applicable taxes). Rate includes complimentary breakfast.

**Reservations:** To make reservations, call the hotel directly at 814-238-3001 and ask for Group Code **22PAEP**. The last day to receive this discounted rate is **Friday, September 2**. Rooms may sell out before this date, so be sure to make your reservations today!

## Important Deadlines

**September 23:** Registration form due to PAEP

**September 23:** Cancellations must be received in writing to receive a refund. No refunds after this date.

**Questions?** Contact the PAEP Registration Office at 814-355-2467 or [info@paep.org](mailto:info@paep.org). Visit our website at [www.paep.org](http://www.paep.org).

## Registration Information

**Full Registration:** Includes access to all sessions.

**Single Registration:** Includes sessions, for that specific date and time.

**Students:** If you are a student and interested in attending the conference, please go to our website at [www.paep.org](http://www.paep.org) and click on Conference.

You must be a current PAEP member for the member rates to apply.

## Continuing Education

PAEP will provide a Certificate of Completion for the course/sessions offered, at the request of the attendee, specifying course titles and hours achieved. PAEP courses or sessions have not been pre-approved by any P.E., P.G., or PWS governing body. Therefore, PAEP does not guarantee the acceptance of any individual session or conference “as a whole” to qualify for continuing education requirements per P.E., P.G., or PWS license renewal requirements. You will need to check with your accreditation to verify acceptance.

## Sponsor & Exhibit Opportunities

For companies interested in gaining visibility by putting their brand directly in front of environmental professionals, the 2022 PAEP C4 offers sponsorship and exhibit opportunities to fit the needs and budget of any business. Sign-up early to be included in pre-conference promotions. Contact Terri Breon, email [info@paep.org](mailto:info@paep.org), for more information or to secure your organization’s status as a conference sponsor or exhibitor.

## Cancellations

All cancellations must be made in writing to PAEP and received by **September 23, 2022** to receive a refund. All registrations will incur a \$25 non-refundable processing fee. No refunds will be given for cancellations received after this deadline or for ‘no shows.’



# 2022 PAEP Annual Conference Registration Form

(Please use one registration form per person.)



**NAME** **BADGE NAME**

**COMPANY**

**ADDRESS**

**CITY** **STATE** **ZIP CODE**

**EMAIL** **TELEPHONE**

► **SELECT REGISTRATION TYPE**

Select days/ activities you will be attending	Type of Registration	Member Rate	Student Rate	Non-Member Rate	Total Due
	Full Registration	\$335.00	\$185.00	\$405.00	\$
	Wednesday, Oct. 5, Short Course	\$ 125.00	\$125.00	\$155.00	\$
	Wednesday, Oct. 5, Reception	\$ 60.00	\$ 60.00	\$ 70.00	\$
	Thursday, Oct. 6, One-Day Rate	\$265.00	\$100.00	\$310.00	\$
	Thursday, Oct. 6, Reception/Dinner	\$ 80.00	\$ 60.00	\$ 85.00	\$
	Friday, Oct. 7, One-Day Rate	\$150.00	\$ 50.00	\$215.00	\$
	Late Fee after September 23rd	\$ 30.00	N/A	\$ 30.00	\$
<b>TOTAL AMOUNT ENCLOSED</b>					<b>\$</b>

**Notes:**  
 \* Full Registration includes attendance at each of the day's events and meals for that day. PAEP Short Course is NOT included.

\_\_\_ Check here if you require any special dietary attention or have a disability and require accommodations in order to fully participate in this meeting. You will be contacted by a PAEP staff member to discuss your specific needs.

\_\_\_ Check here if you would agree to supporting the PAEP Student Scholarship Fund by donating a themed basket for the conference.

► **PAYMENT**

Payment type (select one):      \_\_\_ **Check Enclosed** (payable to PAEP)      \_\_\_ **AMEX**      \_\_\_ **MasterCard**      \_\_\_ **Visa**

**Credit Card #** **Expiration Date** **CCV#**

**Signature** (credit card orders only)

► **MEAL ATTENDANCE CONFIRMATION** (please complete)

Please confirm which scheduled meal function(s) you will be attending based on the type of registration you have selected above so we may include you in our counts to the hotel: (check all that apply)

\_\_\_ Wednesday, October 5, Opening Reception    \_\_\_ Thursday, October 6, Lunch    \_\_\_ Thursday, October 6, Reception/Dinner

I give permission for PAEP to disseminate my name and contact information (i.e. list of attendees) at the conference.    \_\_\_ **YES**    \_\_\_ **NO**

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

► **REGISTRATION PROCEDURE**

Please complete and return this registration form along with payment to:

**Pennsylvania Association of Environmental Professionals**  
 174 Crestview Drive, Bellefonte, PA 16823-8516  
 Phone: 814.355.2467 | Fax: 814.355.2452

If payment is made by check, make payable to **PAEP**. If payment is made by credit card (AMEX, MasterCard, or Visa), you may fax this form. We are unable to accept registrations over the telephone. Please note that registrations will not be processed without payment.