PDH BOOT CAMP

AUGUST 24, 2017

PRESENTER BIO NARRATIVES

Nick Burdette

Nick Burdette is a Bridge Engineer and Project Manager at HDR, in their Pittsburgh, PA office. He has held leadership roles in several local and national projects, including the Liberty Bridge rehabilitation, the Pennsylvania Rapid Bridge Replacement Project, the Tappan Zee Bridge Replacement, and the Bonner Bridge Replacement. Nick received his M.S. from the University of Illinois and B.S from the University of Pittsburgh.

Robert Elliott, Jr. P.E.

Robert Elliott, Jr. P.E., CDR Maguire Inc., Robert.Elliott@cdrmaguire.com
Bob is the Assistant Manager of the Transportation Department in charge of the Structures Group for CDR Maguire's Pittsburgh, PA office where he has worked since 2010. He has over 22 years of experience in bridge, roadway, and other non-transportation structure projects. He is a 1994 graduate of Pennsylvania State University with a BS in Civil Engineering.

Jonathan R. Eberle, P.E.

Jonathan R. Eberle, P.E. - Jon is a Structural Engineer within AECOM's transportation group. He received his B.S. in Civil Engineering from Bucknell University in 2010 and also holds a M.S. in Civil Engineering from Virginia Tech. Jon works largely for AECOM's complex bridge group based in Mechanicsburg, PA. He has worked on several projects in and around Delaware including projects on the Commodore Barry Bridge, Delaware Memorial Bridge and the I-495 over the Christina River emergency repairs. He is currently working as the senior engineer for the arch span re-decking of Minnesota DOT's High Bridge, a long span steel arch with prestressed ties.

Robert MacFadyen

Robert MacFadyen is an Engineering Solution Manager for Kohler Power Systems servicing the Pennsylvania consulting community providing technical support and design assistance. Through his career he has serviced the industrial and construction community in a variety of sales and service orientated jobs for Eaton and Parker Hannifin before joining the Kohler family's business. His background includes training in Electrical Engineering, Fluid Power Engineering, and Business with a BS from the University of Rhode Island and an MBA from Monmouth College. His experiences has allowed him to actively participate in thousands of construction jobs ranging from light commercial mixed use applications to complex hospitals, WWTP, and Data Centers. He now uses this experience to provide guidance in the form of specification assistance, discussions of best design practices, and commercial challenges to the consulting community he serves.

Stan Nalitz

Mr. Nalitz has over 35 years comprehensive experience as an engineer, project manager and quality control reviewer on numerous engineering, environmental, and structural design projects. He has been with AECOM for 11 years serving as Technical Director for the Pittsburgh office and currently as Senior Project Manager. He was also previously employed for 17 years in the PennDOT District 11-0 Bridge Unit. He is a graduate of the University of Pittsburgh and is a Professional Engineer in Pennsylvania, Ohio, West Virginia, Virginia and Maryland.

PDH BOOT CAMP

AUGUST 24, 2017

PRESENTER BIO NARRATIVES

Don Olmstead

Don Olmstead is a graduate of the University of Guelph, Ontario, and the University of Pittsburgh. He is a professional engineer, registered in Pennsylvania, Ontario and Alberta, and a resident of the Pittsburgh area since 1983. His first start up was in 1981, when he worked in equipment manufacturing and started up an edible rendering plant. That proved both chaotic and formative. Wastewater treatment experience soon followed. Formal commissioning experience began in the late 90s, beginning with a pharma project, which led to a maximum-security jail, a gypsum mill, then other projects such as a biogas fired engine plant, an evaporation crystallization plant, and a 76,000 scfm SCR. He is principal in Venture Engineering, and has been a member of ESWP for several years.

Steven Reinstadtler

Steven Reinstadtler is the Construction Market Manager at Covestro which includes coatings, adhesives, and sealants technologies used in infrastructure. Steven works closely with architects, engineers, specifiers, contractors, and organizations that build with durability and sustainability in mind by promoting high performance options for flooring, architectural, roofing and waterproofing applications. He has been with Covestro for over 28 years in technical and marketing management positions and holds a degree in Chemistry with a Polymer Science option from the University of Pittsburgh. Steven is an active member of professional societies such as AIA, CSI, CPI, ACS, SSPC, ACA, ESWP and PDA, holds MPI ACT certification and is a past Clive Hare Top Thinker award recipient.

Jason Borne, PE, ENV SP, LEED AP ND

Mr. Borne is a Water Resources Technical Services Manager with comprehensive technical management experience in stormwater planning, design, and permitting, including watershed modeling, green infrastructure (GI) implementation, GIS cartographic and watershed analysis applications, MS4 coordination, hydrologic/hydraulic analysis, post construction stormwater management, erosion and sediment pollution control, storm sewer conveyance, site grading, PADEP Chapter 102/105 permits (NPDES/GP), and the integration of sustainable infrastructure practices. Mr. Borne is passionate about the enhancement of the engineering design process through the integration of geospatial data resources and the principles of sustainable performance. **As Technical Services Manager, Mr. Borne is charged with enhancing the quality of project deliverables through the institution of improved quality control procedures and the implementation of standardized design task procedures.**

DEGREE:

Bachelor of Science, Civil Engineering, University of Pittsburgh, 2000
Post-Baccalaureate Certificate, Geographic Information Systems (GIS), University of Pittsburgh, 2012
Master of Science, Sustainability, University of Pittsburgh (Candidate, Ongoing Coursework)

LICENSES:

Professional Engineer, PE072804, PA
Surveyor In Training, ST000582, PA

CERTIFICATIONS:

Certified Professional in Storm Water Quality (CPSWQ)
Envision Sustainability Professional (ENV SP)
LEED AP Neighborhood Design (LEED AP ND)
CSI Construction Documents Technologist (CDT)

PROFESSIONAL AFFILIATIONS:

American Society of Civil Engineers (ASCE)
ASCE Pittsburgh Chapter, Sustainability Committee Vice Chair
Green Infrastructure Network (GIN), Technical Subcommittee Member

SUMMARY OF EXPERIENCE:

Dellrose Street Reconstruction, Street Design Services (W.O. #7), City of Pittsburgh Department of Public Works, Pittsburgh, Pennsylvania
Stormwater Design Lead tasked with the development of a permeable paver street reconstruction design which allowed for the exclusion of traditional storm sewer infrastructure, reducing both capital costs and long-term maintenance life cycle costs. As the project delivery was a quasi-design-build, ms collaborated with both the City of Pittsburgh Department of Public Works (DPW) and the contractor to further develop elements of the conceptual design based on new information obtained during construction. Operations and Maintenance (O&M) concerns were given additional consideration to preserve the structural stability of the roadway paver system. The project's reliance on the natural infiltration process and the potential for debris accumulation from the proposed roof leader connections were focal points of the O&M strategy. To avoid over-reliance on the subsoils to drawdown the system, a balanced volume control concept was developed where infiltration and

slow-release were employed simultaneously. To access the overflow drain for periodic flushing, cleanouts were recommended at select locations upslope of proposed private connections with the goal of directing debris to a downgradient Pittsburgh Water and Sewer Authority (PWSA) catch basin.

ALCOSAN New Vehicle Maintenance Garage, ALCOSAN, Pittsburgh, PA
Technical Stormwater Design Manager responsible for the development of the project stormwater management concept and associated PADEP permitting. Developed the framework for a stormwater treatment train model where on-site runoff is intercepted by green infrastructure practices, including a vegetated (green) roof and rain garden, with high flows being routed via overflow structures to a centralized underground water quality chamber and subsurface infiltration bed prior to conveyance to the PWSA combined sewer system. More than 1.2 inches of rainfall across the 2.6-acre impervious project site is intercepted by the green and gray infrastructure practices and retained on-site with mitigation through infiltration and extended filtration (slow-release) removal mechanisms, meeting the City of Pittsburgh storm water ordinance criteria. Long-term system O&M was considered during the BMP selection process and led to the implementation of a centralized method of water quality control. The specified water quality chamber uses filter cartridges to provide pre-treatment for the subsurface infiltration bed which not only minimizes the potential for sediment build-up in the downstream system but also provides the ability to be adapted (by changing out the cartridges) to treat for other pollutants as regulatory requirements change.

Pittsburgh Water and Sewer Authority (PWSA), Engineering Services for a Storm Water Drainage Study, Pittsburgh, PA
GIS specialist responsible for the technical scope development of a potential future task associated with the administration of the stormwater disconnection program. Developed a conceptual method of transferring individual property reports to a centralized geospatial database which would house the property attributes for more than 4,000 properties with documented illicit stormwater connections (as outlined in the COA Dye Test Report), along with alternative solution template data as derived from the stormwater drainage study. This geodatabase concept would allow for map-based visualization and management of the individual property data and stormwater design solutions; creating a vastly improved tool that allows for the extraction of statistical program data, improved stakeholder visualization, identification of patterns regarding the density/dispersion of proposed disconnection practices, while providing a more flexible method of program administration.

RockTenn, Coshocton Paper Mill, Stormwater Runoff Study, Coshocton, OH
Project manager responsible for project scope development, sub consultant selection/coordination, and technical oversight. Coordinated photogrammetric services including aerial photography, horizontal ground control, and topographic mapping; in support of sub-basin delineation to onsite points of stormwater runoff consolidation. Performed site assessment and model development of stormwater storage and conveyance features including sumps, subsurface drains, and transfer pumps. Developed runoff and routing calculation methodology and subsequent modeling with SWMM. The industrial facility was experiencing treatment system capacity issues (i.e. overtopping of primary clarifier) due to inadvertent capture and treatment of stormwater that originated from non-contaminated onsite locations. The results of the study will support capital improvement planning for runoff diversion at the facility to minimize treatment system failure while equilibrating treatment capacity.

City of Bridgeport, Development of a Preliminary Green Infrastructure (GI) Design, Bridgeport, CT
Design manager responsible for the model evaluation and preliminary green stormwater infrastructure design. The project involves the optimization of potential GI Best Management Practice (BMP) locations and configurations through establishing context-oriented BMP design templates. Bridgeport's sewer model (PCSWMM) was subsequently refined with the integration of BMP locations and tributary subcatchment areas, the incorporation of existing field data, performance of initial model evaluations, and supplemental field survey to aid in short-listing the potential GI locations that provide the greatest CSO reduction benefit.

Preliminary design plans were developed for the short-listed sites to assess constructability and facilitate discussion with various stakeholders.

Richmond University Medical Center, Alternatives Analysis for FEMA Hazard Mitigation Grant Program (HMGP) Application / Staten Island, New York City, NY
Technical task manager responsible for the development of several conceptual GI stormwater management alternatives to improve storm event resiliency and mitigate runoff related flooding at the urban hospital campus. The scope of work included design calculations, associated cost estimates, and narrative text in support of a FEMA 404 grant application.

Nassau County Department of Public Works, Bay Park Sewage Treatment Plant, Flood Protection System, East Rockaway, NY
Design manager responsible for the development of the conceptual hydrology, detention pond sizing, and pump draw down calculations for the plant area contained within the proposed protected floodwall perimeter as part of the basis of design for stormwater conveyance pump stations. The pump stations would operate as necessary to limit the rainfall-related flooding that may occur within the floodwall coincident with a tidal storm surge. Performed review of technical reports developed by the project team and evaluated the inputs/structure of the associated runoff hydrology (SWMM) and storm sewer hydraulics (hydrodynamic routing) models developed in Autodesk Storm & Sanitary.

NYC Health and Hospitals Corporation, Alternatives Analysis for FEMA 404 Hazard Mitigation Grant Program (HMGP) Applications, New York City, NY
Stormwater planning specialist responsible for development of conceptual storm and sanitary system recommended improvements to integrate with proposed floodwall protection projects at four (4) urban hospital campuses in New York City. The sewer design alternatives are part of a suite of infrastructure hardening techniques which aim to improve storm surge/rainfall event resiliency and mitigate concurrent runoff related flooding within the floodwall system. The scope of work included managing the preparation of design calculations, associated cost estimates, and narrative text in support of FEMA 404 grant applications.

Renewable Water Resources, Huff Creek Watershed Plan, Greenville County, SC
Watershed planner involved with the development of water quality parameter loading estimates (i.e. nitrogen, phosphorus, and bacteria) to Huff Creek (within Reedy River Watershed) from failing septic systems and agricultural livestock sources within the tributary watershed, using the EPA STEPL template and manual calculations. Developed a suite of viable BMPs to reduce the contaminant loading and assisted with the completion of the associated South Carolina Non-point Source Program Grant Application.

CSX Transportation, National Gateway Project, Various Locations (several sites in western PA)
Technical water resource lead responsible for development of project technical task protocols and implementation of the drainage design, erosion and sediment pollution control design, and post construction stormwater management design on 14 railroad clearance improvement and infrastructure enhancement sites along the CSX track system. Coordinated with the PADEP and the County Conservation Districts regarding erosion and sediment pollution control and post construction stormwater management design concepts and calculation methodologies. Client preferences regarding stormwater management practices and maintenance required development of innovative mitigation techniques for the project peak runoff rate and volume increases.

Pennsylvania Turnpike I-95/I-276, Section F Interchange Project (Work Order No. 2), Pennsylvania Turnpike Commission, Bristol Township, PA
Stormwater Technical Lead responsible for the development of the project drainage, post-construction stormwater management, and erosion and sediment pollution control designs for a portion of the I-95/I-276 Interchange reconstruction. A shift in PADEP regulatory interpretation late in the design process required a

rapid reassessment of the post-construction stormwater management approach where stormwater control is provided at each project point discharge. Successfully championed the alternative "slow-release" volume mitigation concept, where extended runoff rate control is a proxy for volume mitigation, allowing the project to overcome site constraints regarding poor infiltration and high groundwater. The project's reliance on the natural infiltration process for stormwater management volume control was the focal point of BMP O&M. Due to the presence of poorly draining soils at many infiltration basin locations, a balanced volume control concept was developed where infiltration and slow-release were employed simultaneously within each BMP. This system met the regulatory requirements for volume control while maintaining BMP functionality through minimizing the potential for long-term standing water.

Design Manager for PTC Milepost 149.5-155.5 (W.O. #3), Pennsylvania Turnpike Commission, Bedford, PA

Design Manager providing technical review and oversight of the water resources project deliverables developed by the design consultant. Provided regulatory interpretation and design guidance to help steer the project in a manner that meets PTC Design Consistency criteria and PADEP regulatory requirements. The project's reliance on the natural infiltration process for stormwater management volume control was the focal point of BMP O&M. Due to the presence of poorly draining soils at many infiltration basin locations, a balanced volume control concept was developed where infiltration and slow-release were employed simultaneously within each BMP. This system met the regulatory requirements for volume control while maintaining BMP functionality through minimizing the potential for long-term standing water.

Southern Beltway, U.S. 22 to I-79, Section 55C2, Pennsylvania Turnpike Commission, Cecil Township, PA

Stormwater Engineer tasked with establishing the technical approach and providing oversight for the development of all final design project water resource-related design activities, including drainage design, post-construction stormwater management, erosion and sediment pollution control, H&H, and NPDES permitting. Developed a holistic stormwater management approach where infiltration basin and dry extended detention basin BMPs, designed as part of an early action project, would function to mitigate stormwater from future phases with minimal modification. The O&M strategy is focused on equitable distribution of long-term BMP management responsibility. Several infiltration basins have been proposed to manage flows originating from proposed roadway areas of varying ownership. As the PTC-, Pennsylvania Department of Transportation (PennDOT)-, and Cecil Township-owned facilities collectively contribute to the increased post-construction stormwater runoff from the project, the sharing of long-term maintenance responsibilities is being considered.

Pennsylvania Turnpike Milepost 28-31 Total Reconstruction, Preliminary Design, Pennsylvania Turnpike Commission, Cranberry Township/Marshall Township, PA

Stormwater Technical Lead responsible for the development of the project drainage and post-construction stormwater management for the section of Turnpike reconstruction. A shift in PADEP regulatory interpretation required a rapid reassessment of the post-construction stormwater management approach where stormwater control is provided at each project point discharge. Site right-of-way constraints necessitated a stormwater management approach that focused on maximizing PADEP vegetative conservation credits for stormwater volume control. Conservation areas are natural passive systems that require no systematic maintenance. Forest and meadow areas adjacent to the project were acquired by the PTC and preserved in perpetuity reducing their stormwater mitigation obligations.

SHANA M. CARROLL, P.E., LEED AP, BD+C **Civil and Geotechnical Engineering**
10130 Old Frederick Road
Ellicott City, Maryland 21042
(410) 458-0289
scarroll@geostructures.com

EDUCATION

Bucknell University: M.S., Civil Engineering, 2002
Bucknell University: B.S., Civil Engineering, 2001

PROFESSIONAL REGISTRATION

Maryland P.E.

Virginia P.E.

District of Columbia P.E.

PROFESSIONAL HISTORY

GeoStructures, Inc., Purcellville, Virginia, Mid-Atlantic Regional Manager, 2007 to current; Mid-Atlantic Sales Engineer , 2006 to 2007
GeoSyntec Consultants, Columbia, Maryland, Assistant Project Engineer, 2005 to 2006; Senior Staff Engineer, 2003 to 2005; Staff Engineer, 2002 to 2003; Intern Engineer, Winter 2001 to 2002
Bucknell University, Lewisburg, Pennsylvania, Teaching and Research Assistant 2000 to 2002
Bucknell University, Lewisburg, Pennsylvania, Laboratory Technician 1999 to 2002
McGraw Hill, New York, New York, Editor 2001 to 2002
Smith Trucking and Excavating, Baltimore, Maryland, Construction Operator, Summer 1998

REPRESENTATIVE EXPERIENCE GEOSTRUCTURES, INC.

Shana Carroll currently serves as Mid-Atlantic Regional Manager for the Foundations Division of GeoStructures, Inc. in Purcellville, Virginia and was formerly an Engineer with GeoSyntec, Inc. Ms. Carroll has been involved in the design and pre-construction management of specialty geotechnical systems throughout the Mid Atlantic United States since 2001.

Specializing in assisting clients in developing projects on sites with poor soil conditions, Ms. Carroll performs pre-construction for specialty geotechnical systems for foundation support and ground improvement such as rammed aggregate piers and deep foundations. She also has extensive expertise in the geo-environmental field. Through her understanding of the technical elements of soil engineering combined with her experience delivering products, information and advice to a variety of clients, Ms. Carroll has been able to guide non-technical building owners towards cost-effective solutions that resolve delicate construction issues.

Ms. Carroll was also an early advocate of sustainability who sought and received her LEED accreditation several years ago. Recently, she obtained Green Advantage certification for commercial builders, which allows her to aid builders in improving their stature as "green" companies.

REPRESENTATIVE EXPERIENCE GEOSYNTEC CONSULTANTS

Ms. Carroll was involved in the design of several of civil, geotechnical, and waste management projects. Her experience included participation in: (i) geotechnical and hydrogeological subsurface explorations; (ii) landfill design and permitting; and (iii) soil improvement programs. She has prepared and executed field exploration programs including soil and rock sampling, in-situ strength testing, and instrument installation. She has also prepared design calculations, performed geotechnical, hydraulics, hydrology, and stormwater analyses. Ms. Carroll has prepared: (i) geologic and hydrogeologic studies; (ii) permit applications for waste disposal facilities; and (iii) engineering analyses for landfill designs, closure systems, and landfill gas management systems. Ms. Carroll also has extensive experience in geotechnical instrumentation including installation and monitoring of many types of geotechnical instruments including inclinometers, vibrating-wire and pneumatic piezometers, vibrating-wire and survey point settlement systems; and total pressure cells. She has attended a course taught by John Dunicliff, P.E., in Geotechnical Field Instrumentation.

REPRESENTATIVE EXPERIENCE BUCKNELL UNIVERSITY

While at Bucknell University, Ms. Carroll researched slurry walls as used in the United Kingdom and the United States under the direction of Dr. Jeffery Evans. Research involved testing the hydraulic conductivity of slag-cement slurry wall material and selecting the best mixture for subsequent compatibility testing. The experimental results were compared to several similar studies on soil-bentonite slurry wall materials. At the conclusion of the research, a thesis was prepared and defended. Also at Bucknell, Ms. Carroll performed geotechnical laboratory tests, under Dr. Evans, including grain size, Atterberg Limits, and confined and unconfined compression tests.

AFFILIATIONS

American Society of Civil Engineers
American Society of Professional Estimators

PUBLICATIONS/PRESENTATIONS

01-1 Carroll, S. and Evans, J.C., "Hydraulic Conductivity of Cement-Bentonite-Slag Slurry Wall Barriers", *Proceedings of the 2001 International Containment and Remediation Technology Conference,* Orlando, FL, June, 2001.

02-1 Carroll, S. "*Chemical Compatibility of CB-Slag Slurry Wall Material"*, submitted in partial fulfillment of the requirements for the degree of Master of Science, Bucknell University, April 2002.

02-2 Evans, J. C., Dawson, A. R. and Carroll, S. M. "Slurry Walls for Groundwater Control: A Comparison of UK and US Practice," *Proceedings of the 19th Central Pennsylvania Geotechnical Seminar: Current Trends in Geotechnical Engineering*, Hershey, PA, May, 2002.

04-1 Carroll, S., et al., "The Challenges of Designing a 60-ft High MSE Berm at Cherry Island Landfill - A Case Study," *Proceedings of the Nineteenth International Conference on Solid Waste Technology and Management*, Philadelphia, PA, March, 2004.

04-1 Carroll, S. "Designing a Vertical Landfill Expansion over Very Compressible Foundation Materials using Pre-Fabricated Vertical Drains (PVDs) and a Mechanically Stabilized Earth (MSE) Berm." Presentation at ASCE's 2004 Civil Engineering Conference and Exposition, Baltimore, Maryland, October 2004.

05-1 Espinoza and Carroll, "A Simplified Approach for Estimating Settlement of Soft Soils," Proceedings *of the Twentieth International Conference on Solid Waste Technology and Management*, Philadelphia, PA, April, 2005.

05-2 Carroll, S. "Bioreactor Performance – A Summary of Recent Evaluations." Presentation at Maryland Recyclers Coalition (MRC) and Solid Waste Association of North America's (SWANA) Mid-Atlantic Chapter Joint Conference, Baltimore, Maryland, June 2005.

05-3 Carroll, S. and Evans, J. "Slag-Cement-Bentonite Slurry Walls," Journal of Geotechnical and Geoenvironmental Engineering, American Society of Civil Engineers, June 2005, Vol. 131, No. 6.

E. James Hamilton, MBA, PE, Esquire

Corporate Legal Counsel

Education

Juris Doctor, 1981, Franklin Pierce Law Center

MBA, 1976, University of Maine

BS, Civil Engineering, 1974, (Geotechnical) University of Maine

Registrations

Maine State Bar Association, 1981, Member

Massachusetts State Bar Association, 1982, Member

Professional Engineer, Maine, 1979

Maine Federal District Court and 1st Circuit Court of Appeals, and U.S. Supreme Court Member

Skills

Risk Management Insurance, Construction, and Engineering

Certifications / Training

Harvard Leadership Development Training, GAI Consultants, Inc., 2010

Associate in Risk Management (ARM 54), 1994

Crosby Total Quality Management College, 1990

Industry Experience

GAI Consultants, Inc., 2008-Present

Attorney, Private Practice 1991-2008

ABB Environmental Services, Inc. 1990-1991

Combustion Engineering, Inc. 1987-1990

E.C. Jordan Co. 1974-1978, 1981-1987

Professional Summary

Mr. Hamilton specializes in corporate, insurance and engineering risk management, specifically, contract review and negotiation, claim(s) investigation and management, risk training and advice, risk identification and evaluation and litigation management.

Professional Experience

Attorney, Private Practice

- Prepared and negotiated professional service and construction contracts, subcontracts, purchase order terms and conditions, leases and licenses in the consulting/construction and technology arenas.
- Represented clients in Federal and State Courts, including liability defense, construction disputes, cost recovery from responsible parties for environmental damages, representation before regulatory agencies and third party claims for damages.
- Litigation, including preparing complaints and answers, motions for attachment, summary judgment, 12(b)(6) motion(s) to dismiss, objections and reply memoranda, and the full range of discovery (production of documents, entry onto premises, interrogatories, and depositions). Prevailing Counsel of Record for:
    - Ricci v. Alternative Energy et al., 211F, 3D 157 (1st Cir. 2000)
    - Bernier v. Merrill Air Engineers, 770 A 2d. 97, 2001 Me. 17
- Provided claims management and resolution services.
- Arbitrator for American Arbitration Association on construction, environmental and commercial disputes.
- Mediator, Arbitrator and Early Neutral Evaluator, Maine Court Alternative Dispute Resolution Service (CADRES) Roster(s).

Vice President, General Counsel

- Responsible for providing specialized legal services in construction and environmental law through ABB Business Services, Inc. Company-wide resource for risk management and insurance, claims management and resolution, preparation, review, and negotiation of private and government contracts, negotiation and approval of government O.H. and G&A rates.

Major achievements and milestones: Interfaced with management, consultants and regulatory authorities to negotiate Resource Conservation and Recovery Act (RCRA) penalties and administrative consent orders. Directed project managers' efforts to minimize client risks and liabilities in performing environmental assessments and audits, and design and construction, utilizing traditional and turnkey construction processes. Successfully negotiated $100M consulting services contract with the U.S. Navy Southern Division for the CLEAN Program. Participated in development of company five-year strategic plan and vision.

Senior Attorney

- Counsel to E.C. Jordan/C-E Environmental in Portland, Maine after Combustion Engineering's acquisition of E.C. Jordan. Provided a centralized resource to line and project managers in the areas of project, contract and claims management and risk identification, analysis, management and liability shifting in the procurement and execution of projects in the environmental and energy engineering markets. Examples include:
  - Construction law: Advised managers on standards of care, roles and duties of participants in construction related to issues of contractor performance such as specification, warranty and guaranty compliance, payment/retainage, and compliance and insurance.
  - Environmental law: Based on familiarity with laws and regulations such as RCRA, Underground Storage Tanks (USTs), CERCLA, Super lien, etc., provided technical and project managers with an understanding of the risks and liabilities in the asbestos and hazardous and toxic waste engineering and construction market and guidance on managing and controlling such risks.
  - Health and safety law: Interpretation and guidance on compliance with OSHA, USEPA, and NIOSH regulations applicable to field investigation and construction site activities by employees.

Corporate Counsel and Risk Manager

- Performed the same functions and duties described above in the context of a 400-person, privately held corporation primarily involved in offering professional engineering, laboratory and surveying services in the paper process, facilities, wastewater, geotechnical and hazardous and toxic waste engineering fields. Continued to manage selected hazardous waste projects through 1985 (Love Canal).

Environmental/Hazardous Waste Project Manager

- Managed geotechnical and hazardous/toxic waste projects, including investigation, groundwater modeling and design of the long term monitoring program for Love Canal, Niagara Falls, New York, and hydrogeologic and contamination assessment at an electronics site.

Geotechnical Staff Engineer

- Conducted geotechnical investigation(s) for commercial buildings.
- Drilling and installation of wells to relieve excess hydrostatic pressure beneath a hydroelectric dam and assistance with development soils parameters for 345 kV transmission line tower foundations.
- Resident engineer on $2.3M municipal wastewater project involving interceptor, collector and pump station/force main construction.
- Project close out on Urban Development Action Grant (UDAG) funded construction projects for municipal recreation area and field studies for United States Environmental Protection Agency (USEPA) Effluent Studies for Paper Industry Discharge Limit Development.

Affiliations

ACEC Legal Counsel’s Forum, 1988 through Present

Publications / Presentations

1995, 2000, 2002 and 2007, National Business Institute Seminar lecturer on various issues in Construction Law.

1996 and 1995, Developed and taught Maine Department of Environmental Protection Task Force sponsored “Environmental Ethics & Professional Practice” Seminar.

1992, Taught International Environmental Law as an Adjunct Professor at Franklin Pierce Law Center.

Developed and taught University of Maine graduate engineering courses on Legal Aspects of Engineering and Construction (1989, 2001, 2004 and 2006); Engineering Ethics (1990 and 2005) and Environmental Law for Engineers/Scientists (2003).

Point Park University (Pittsburgh, Pennsylvania), Adjunct Professor. Taught graduate engineering courses on Construction/Contract Law and the Engineering Enterprise (2009-2010); and Environmental Law for Engineers/Scientists (2010-2016).

DFL|LEGAL
DINGESS, FOSTER, LUCIANA, DAVIDSON & CHLEBOSKI LLP

JOHN P. MILLER

AREAS OF PRACTICE

Mr. Miller's practice focuses on complex trial and litigation matters involving construction, energy, product liability, insurance, and commercial disputes. He represents owners/developers, design-builders, EPC and general contractors, subcontractors, suppliers, manufacturers, and design professionals. Mr. Miller also advises clients in the contracting and documentation phase of projects, including dispute avoidance and claim preparation and payment and lien disputes. He has been involved on major industrial and commercial projects, including a wind farm, polymer chemical plant, pipeline and gas gathering system, apartment complex, mid-rise condominium, petrochemical complex, and wine glass bottle manufacturing plant.

PROFESSIONAL BACKGROUND

- Dingess, Foster, Luciana, Davidson & Chleboski LLP, 2017 - Present
- Jones Day, 2007 - 2017
- Dewey & LeBoeuf LLP (formerly LeBoeuf, Lamb, Greene & MacRae LLP), 2003 - 2007

PRESENTATIONS

- Co-presenter, "2014 Speaker Series: Energy and Construction Law Update," Jones Day, Pittsburgh, PA, May 20, 2014
- Co-presenter, "Oil and Gas Litigation Trends and the Impact on Marcellus and Utica Shale Activities," YPE Energy Industry Training Series, Washington, PA, August 29, 2013
- Co-presenter, "Shale 101: Introduction to Business and Legal Developments in the Appalachian Basin," Jones Day, Pittsburgh, Pennsylvania, February 7 - 8, 2013

PUBLICATIONS

- Co-author, “Ohio Supreme Court Decision Clarifies Mineral Rights in Utica and Marcellus Shale Plays,” *Jones Day Commentary*, October 2016
- Co-author, “No Implied Duty for Operators to Develop "Each Economically Exploitable Strata," Says Pennsylvania Superior Court,” *Jones Day Commentary*, July 2013
- Co-author, “Pennsylvania Oil and Gas Lease Act Enhances Royalty Transparency and Authorizes Limited Contiguous Lease Integration,” *Jones Day Commentary*, July 2013
- Co-author, “Pennsylvania Supreme Court Resolves Marcellus Shale Ownership and Lease Uncertainty by Reaffirming Longtime Dunham Rule,” *Jones Day Commentary*, April 2013
- Co-author, “Dormant Minerals Acts and the Marcellus and Utica Shale Plays,” *Jones Day Commentary*, April 2013
- Co-author, “Trends in Prompt Payment Acts Governing Private Construction Contracts,” *Jones Day Commentary*, March 2013

PROFESSIONAL/CIVIL ACTIVITIES

- American Bar Association, Forum on Construction Law and Section of Litigation
- Pennsylvania Bar Association, Civil Litigation Section
- Allegheny County Bar Association, Construction Law Section and Civil Litigation Section

COURT ADMISSIONS

- Supreme Court of Pennsylvania
- United States Court of Appeals for the Third Circuit
- United States District Court for the Western District of Pennsylvania

BAR MEMBERSHIPS

Pennsylvania

EDUCATION

J.D., Duquesne University School of Law, Pittsburgh, PA, 2003 (*Cum Laude*; Research Editor, *Duquesne Law Review*; Web Editor, *Juris Magazine*)
M.S. (Library Science), The Catholic University of America, Washington, DC, 1997
B.A. (History), The George Washington University, Washington, DC, 1996

REPRESENTATIVE ENGAGEMENTS

- Counsel for the owner of a 9,000 acre wind farm consisting of 88 wind turbines in Wyoming County, Pennsylvania in a state court action. The balance of plant contractor claimed over $56 million in damages related to delays, scope changes, forced inefficiencies, and unforeseen subsurface conditions and the owner claimed over $19 million in delay liquidated damages under the contract.

- Counsel for a design professional in a AAA arbitration in connection with unpaid professional fees and expenses and an owner's claim for defective work performed on the design and construction of a polymer chemical plant in Marietta, Ohio. The owner asserted a multimillion dollar claim against our client for breach of contract and professional negligence. There was also a dispute relating to the disputed terms of the engineering and procurement contract.

- Counsel for an E&P company in a AAA arbitration in connection with a contract dispute with a midstream company regarding the design, engineering, and construction of gas gathering and processing facilities servicing certain wells in Ohio and West Virginia, as well as the design, engineering, and potential future construction of a pipeline.

- Counsel for a light gauge structural framing subcontractor in a AAA mediation related to the construction of a mid-rise condominium complex in Seattle, Washington. The subcontractor claimed the general contractor failed to pay in the entire contract price and caused delay of and interference with the subcontractor's work on the project. The general contractor alleged that the subcontractor caused delay, interference and impact on other subcontractors on the project.

- Counsel for a general contractor in a payment dispute with the owner of a manufacturing facility in Pittsburgh, Pennsylvania including a mechanics' lien claim, judgment execution, and an award of injunctive relief.

- Counsel for the owner of a wine glass bottle manufacturing plant in Cowlitz County, Washington, which at the time included the world's largest electric melter, in a AAA mediation in connection with disputes against the EPC contractor. There was a catastrophic failure of the electric melter that gave rise to construction and design defect claims. In addition, there were other construction and design defect claims against the EPC contractor unrelated to the electric melter failure.

- Counsel for a contractor and construction manager in a state court and federal action claiming unpaid fees and expenses from a restaurant owner in Monroeville, Pennsylvania including an award of the contract balance, attorney's fees and penalties, judgment execution, and a proof of claim in bankruptcy.

- Counsel for an engineering contractor in connection with a mechanics' lien claim for unpaid fees and expenses from an owner of gasifier in Vigo County, Indiana.

- Counsel for a landlord-developer in Pittsburgh, Pennsylvania in a state and federal court action and mediation relating to a dispute with a restaurant-tenant after the restaurant-tenant improperly terminated the ten-year development lease prior to beginning construction.

- Counsel for a manufacturer of curtain wall and storefront framing window systems in various actions in multiple forums defending against products liability claims in connection with the terms and conditions of sale and the limited warranty.

- Counsel for a commercial real estate property and construction management company against owner's claims for delay, holdover rent, and general conditions in connection with a high-rise office building in Pittsburgh, Pennsylvania.

- Counsel for a masonry contractor in state court and federal action claiming unpaid fees and expenses in connection with a hotel construction project in Pittsburgh, Pennsylvania involving a mechanics' lien and proof of claim in bankruptcy.

- Counsel for an owner of a large manufacturing facility in Cleveland, Ohio in a AAA arbitration against the contractor in connection with a roofing project.

- Counsel for a general contractor in bid protest with the Commonwealth of Pennsylvania in connection with a request for proposal for the renovation and expansion of a university gymnasium in Clarion, Pennsylvania.

- Counsel for an EPC contractor for two new units, a butene plant and an aromatics plant, located within a petrochemical complex in Yanbu, Saudi Arabia in connection with contract and overall project review and analysis in connection with a change order dispute with the owner.

- Counsel for an E&P company in a state court action defending against a claim by a marketer of natural gas produced from properties in West Virginia acquired under a purchase and sale agreement. The representation also included claims pursuant to the purchase and sale agreement for indemnification against the sellers relating to the marketer's claim.

- Counsel for an E&P company in state court actions in connection with breach of contract, quiet title, implied duty to develop, and declaratory judgment claims by landowners in central Pennsylvania to terminate mineral leases.

- Counsel for a large freight railroad company in a federal court action in connection with a subpoena to produce documents and testify related to the payment of state and federal prevailing wage rates on a high-speed rail construction project in Illinois.

- Counsel for a seller in state court actions with multiple contract claims against the buyer and fraud claims by the buyer against the seller related to the $400 million sale of oil and gas properties in the Marcellus Shale play. Also, the representation included a separate state court action to quiet title naming the parties who interest the seller claimed clouded the title to the oil and gas properties.

Stanley A. Nalitz
Senior Project Manager

Professional History

11/2006 - Present, AECOM Structural Project Manager
08/1998 - 11/2006, WEC Engineers, Inc. Chief Engineer
12/1981 - 01/1998, Pennsylvania Department of Transportation Bridge Design Manager

Education

BS, Civil Engineering, University of Pittsburgh, 1981

Registrations

Professional Engineer, West Virginia
Professional Engineer, Virginia
Professional Engineer (Civil), Kentucky
Professional Engineer, Maryland
Professional Engineer, Pennsylvania
Professional Engineer, Ohio

Years of Experience

With AECOM: 9
With Other Firms: 25

Professional Affiliations

American Society of Civil Engineers
American Society of Highway Engineers
Association for Bridge Construction and Design

Mr. Nalitz has comprehensive experience as a project manager and quality control reviewer on engineering, environmental, and structural design projects. He is currently a Senior Project Manager with AECOM. Mr. Nalitz was previously the technical director for the Pittsburgh office. He was responsible for the quality of technical work produced within the office. He provides day-to-day technical guidance to the discipline department managers.

He was also previously employed as a PennDOT civil engineer manager in district 11-0. Mr. Nalitz was responsible for the supervision and quality control of all bridge design functions in the district, including engineering, drafting, project management, and scheduling. He supervised three in-house design squads in the development of plans, specifications, and estimates for bridge and structure rehabilitation and replacement, and was responsible for providing direction to consulting firms and reviewing consultant-designed major and unusual structures.

Experience

Allegheny County Department of Public Works, South Tenth Street Bridge Rehabilitation, Pittsburgh, Pennsylvania. Project manager for the rehabilitation of this cable suspension bridge over the Monongahela River. Work includes in-depth bridge inspection including internal cable inspection, preliminary engineering, and final design for the rehabilitation.

Pennsylvania Department of Transportation - District 11-0, Tri-boro Expressway Bridge, Allegheny County, Pennsylvania. Project manager for the rehabilitation of this triple ramp system approximately 5,000 feet in length. The project entails a rehabilitation of the entire elevated structure that contains failed substructure units, welded box girders, steel curved girders, and Hoan-like details.

Pennsylvania Turnpike Commission, Mon/Fayette Expressway Section 53E, Pennsylvania. Project manager for the design of a section of new limited access toll road. Services include design of approximately 2 Miles of new mainline roadway, one new interchange, dual bridges approximately 2,300 in length and miscellaneous retaining walls and culverts.

Pennsylvania Department of Conservation and Natural Resources, Open-End Agreement FDC-500-950AD. Project/Contract manager Manager to provide engineering services on a wide variety of projects through a series of Work Orders on an Open-End contract. Those work order tasks have ranged from bridge and culvert replacements, feasibility study for a parking garage, and third party review of a proposed dam (Ryerson Station).

Pennsylvania Turnpike Commission, Mon/Fayette Expressway Section

53A, Pennsylvania. Project manager for the design of a section of new limited access toll road. Services involved design of three bridges and miscellaneous retaining walls and culverts. [Prior to AECOM]

City of Pittsburgh Department of Public Works, Engineering Open End Contract, Pittsburgh, Pennsylvania. Project manager for an open-end contract which included work orders to repair or replace various bridges, buildings and other structures in the City .

Allegheny County Department of Public Works, Engineering Open End Contract, Pittsburgh, Pennsylvania. Project manager for an open-end contract which included work orders to repair or replace various bridges, and other structures throughout Allegheny County.

Pennsylvania Department of Transportation, District 11-0, Design Open-End – E01747. Project/Contract Manager to provide engineering services to the District on a wide variety of roadway and bridge projects through a series of Work Orders on an Open-End contract. The contract had nine work orders. Those work order tasks have ranged from construction phase services, preliminary and final design, ITS Design and Right of Way Acquisition.

Pennsylvania Department of Transportation - District 12-0, Sportster Group Bridges, Pennsylvania. Project manager for the replacement of four bridges using design-build procurement. Work includes preparation of conceptual plans, specifications and estimate, hydrologic and hydraulic analysis, environmental clearance, and right-of-way acquisition.

Pennsylvania Department of Transportation - District 11-0, SR 0065 Section A33, Emergency Rehabilitation of Three Bridges, Allegheny County, Pennsylvania. Project manager for the design of emergency rehabilitation of three concrete arches on SR 0065, ranging from 225 feet to 630 feet long. Services included rehabilitation of precast deck panels, new sidewalks, removal and replacement of precast parapets, various substructure repairs, traffic control plans, approach roadway work, right-of-way investigation, and a PS&E package. Completed final design in less than four months. This project was selected by the Association of Bridge Construction and Design as the Outstanding Rehabilitated Structure for 2004. [Prior to AECOM]

Port Authority of Allegheny County, North Shore Connector Project, Pittsburgh, Pennsylvania. Quality assurance manager for the design of the $435-million light rail extension project. Work consisted of developing 15 separate construction contracts, including twin bored tunnels under the Allegheny River, 1,800 feet of elevated structure, two cut and cover tunnel sections through an urban area, and three station contracts.

Pennsylvania Department of Transportation - District 9-0, Neff Bridge Rehabilitation, , Pennsylvania. Project manager for the rehabilitation of this historic through Pratt Truss bridge over the Frankstown branch of the Juniata River. Work includes in-depth bridge inspection, analysis, preliminary engineering, and final design for the rehabilitation.

RESUME - HIRAM C. RIBBLETT, P.E.

January 2017

EDUCATION: 1971 - 1976, Pennsylvania State University, Bachelor of Science - Mining Engineering
1969 - 1971, Academic Diploma, Conemaugh Valley High School

SHORT COURSES AND CONTINUING EDUCATION:

Sept. 2003	Water Law Basics Lorman Education Services
June 18 – 20, 2003	Computational Methods in Stormwater Management Penn State, University Park (2.4 CEU's)
Jan. - April 1998	Foundation Analysis (3 credits) University of Pittsburgh at Johnstown
Sept. - Dec. 1997	Soil Mechanics (4 credits), University of Pittsburgh at Johnstown
Apr. 29 - May 2, 1991	Elements of Mine Electrical Systems, Penn State University
May 8-10, 1985	Computer Analysis of Mine Ventilation Systems, Penn State University

CERTIFICATIONS:

Pennsylvania:	Registered Professional Engineer PE-034378-E First Grade Assistant Mine Foreman Machine Runner Certificate Bituminous Miner's Certificate Mine Safety and Health Administration Safety Instructor
Ohio:	Registered Professional Engineer E-55706
West Virginia:	Mine Foreman Miner's Certificate Registered Professional Engineer 19671

EXPERIENCE:

7/21/97 to Present: Partner/Project Manager President as of November 2012
Earthtech, Inc.
966 Pleasant Hill Road (formerly 336 Bloomfield Street, Suite 201)
Somerset, PA 15501 (formerly Johnstown, PA 15904)

Responsible for overseeing the design of various activities including: site development plans, materials handling systems (belt conveyors, transfer systems, etc.), underground and surface mine permits that have included the beneficial use of fly ash and biosolids applications, coal refuse disposal permits, coal refuse reprocessing permits, dam safety issues, mine ventilation design, MSHA and PA State compliance submissions, MSHA training, and surface water hydrology and the associated designs for its control, treatment and runoff.

Also responsible for geotechnical analysis and design recommendations for foundations, concrete foundation designs, retaining wall designs, and slope stability analyses. Attend monthly Wharton Township Planning Commission meetings as the Township Engineer, and review all subdivision plans for the Township. October 28 and 29, 2002 - Testified as Expert Witness on soils/rock excavation requirements regarding the USMC Reserve Training and Maintenance Center, Johnstown Airport – for Structural Associates, Inc. Established standards for underground stone mine surveying/mapping to comply with PA DMS requirements.

1990 to 1997: Manager of Engineering and Mining Operations, Lion Mining Company

Manager of Engineering and Operations. Was responsible for the design, permitting, layout, surveying, mapping, supply and equipment purchasing, and employee coordination for an underground coal mine complex including the materials handling systems and water handling facilities. The mine employed in excess of 70 people and produced an average of 600,000 tons of bituminous coal each year. Responsible for the interaction of the company with all government agencies including MSHA, PA DEP, and PA DMS. Testified in Federal court on the company's behalf and prepared for a hearing in front of the Environmental Hearing Board.

1988 to 1990: Senior Project Engineer and Project Manager, Duncan, Lagnese, and Associates

During employment at DLA, job duties included the supervision of employees involved in consulting engineering projects such as surface and underground mine permits, municipal waste permits, mine and excavation surveying and all projects involving mine related clients. Received two promotions in the one year and three months employed by DLA. Testified as an expert witness in front of a Zoning Hearing Board concerning mine subsidence issues as they related to a proposed landfill in Greene County, PA.

1981 to 1988: Project Engineer and Chief Engineer, Tanoma Mining Company

As a Project Engineer at the Tanoma Mine was involved in the design and construction of a new multi-million dollar mine complex complete with a 300 TPH multi-circuit cleaning plant. Oversaw the installation of a 40,000-ton loadout with concrete reclaim tunnel rail loadout, the installation of a concrete lined slope, and two concrete lined shafts. Coordinated concrete testing and prepared the necessary reports. As Chief Engineer, was responsible for setting up the engineering department and designing the layout of the entire underground facilities. This specifically included the ventilation layout to provide for a six-unit operation; the water handling system, the equipment specifications, bid tabulations, and final purchasing recommendations. All permitting and environmental regulations were also the responsibility of the engineering department.

1971 to 1981: Co-op Student, Foreman Trainee, and Section Foreman, Island Creek Coal Company

While attending Penn State, was employed as a Co-op employee with Island Creek Coal Company. Upon graduation, was employed as a Foreman Trainee and then as a Section Foreman and Shift Foreman.

OTHER:

1994 – 2001: Board Member and Secretary of the Jackson/East Taylor Sewer Authority.

2004 – 2016 Board Member, PA State Registration Board for Professional Engineers, Land Surveyors, and Geologists.

Member of Society of Mining Engineers of A.I.M.E.

Member of NSPE/PSPE

Sam Shamsi, Ph.D., PE

WET WEATHER PRACTICE LEADER, NORTHEAST

Dr. Uzair (Sam) Shamsi is a registered professional engineer and a certified water and wastewater operator. His professional interests include water, wastewater, and stormwater system; green infrastructure, sustainable development, wet weather and combined sewer overflow (CSO) control plans, hydrologic and hydraulic modeling, and geographical information system (GIS) applications. He has served as a continuing education instructor for ASCE, ESRI, and Penn State University; and as an Adjunct Professor at the University of Pittsburgh (GIS & hydrology) and at Youngstown State University (GIS, hydrology, and construction management). His accomplishments include 27 years of engineering, teaching, and research experience; over 100 GIS and civil engineering projects; 30 guest lecturers; and more than 100 publications. Dr. Shamsi is a recognized leader in GIS and authored two GIS books, one of which is an ASCE press best-seller.

Relevant Project Experience

Metropolitan Sewer District of Greater Cincinnati, CSO Consent Decree Program, Cincinnati, OH
Management Consultant – H&H Modeling for consent decree projects

CSO/SSO Consent Decree Program, Chattanooga, TN
Technical Manager – H&H Modeling for consent decree projects

ALCOSAN, Wet Weather Plan Program Management, Pittsburgh, PA
Onsite Task Manager / Project Engineer for the development of an EPA consent decree mandated Wet Weather Plan ($50 million plan cost, $3.6 billion capital cost).

ALCOSAN, Pine Hollow Run Storm Sewer Design, Pittsburgh, PA
Task Leader supported design of a 5-ft diameter storm sewer to remove stream inflow from a combined sewer and alleviate street flooding.

ALCOSAN, Saw Mill Run Basin Relief Interceptor, Pittsburgh, PA
Senior Project Engineer supported design of a $20 million, 4-mile, 36-54 inch diameter relief interceptor to reduce sewer overflows, improve water quality, and eliminate basement flooding.

3 Rivers Wet Weather Inc., Allegheny County Green Infrastructure Study & Program Management Services, Allegheny County, PA
Technical lead for the county-wide green infrastructure planning study using EPA's SUSTAIN program and complex sewershed hydrologic & hydraulic modeling.

Rochester Area Joint Sewer Authority, CSO Long-Term Control Plan, Beaver County, PA
Task Manager for the development of the plan to comply with the mandates of a PADEP Consent Order and the National CSO Policy.

Pittsburgh Water and Sewer Authority (PWSA), Sewer System Inspection, Pittsburgh, PA
Technical Manager for implementing a mobile GIS based field inspection.

EDUCATION/QUALIFICATIONS

PhD, Civil Engineering, University of Pittsburgh, 1988

REGISTRATIONS

- Professional Engineer in Pennsylvania, No. PE042645E
- Professional Engineer in Ohio, No. 64233
- Professional Engineer in West Virginia, No. 013731
- Professional Engineer in Georgia, No. PE032495

CERTIFICATIONS

- Founding Diplomate, American Academy of Water Resources Engineers
- Board Certified Environmental Engineer, 2003
- Certified GIS Professional (GISP), GIS Certification Institute
- Water System Operator, Pennsylvania, 1992
- Wastewater System Operator, Pennsylvania, 1992
- Certified Professional Engineer, National Council of Examiners for Engineering and Surveying

AWARDS

- Best Paper, WEF, 2014.
- Distinguished Civil Engineer, ASCE Pittsburgh, 2012.
- Civil Engineer of the Year, ASCE Pittsburgh, 2006.

OTHER

- Entered Profession: 1988
- Joined Jacobs: 2014

SETH ZORA

Experienced business professional. Air Force Veteran with proven professional acumen for design details and elements.

412-708-7088

zora.s@aerdia.com

https://www.aerdia.com

Greater Pittsburgh Area

EXPERIENCE

President
AerdiA, LLC

Sep 2016 - ongoing | Imperial, PA

Aerial Media

- Daily operations overview and management of employees.
- In charge of new business development.
- Lead Pilot in Charge for all client flights and projects.
- Tasked with maintaining UAV program; new pilots, safety matters and maintenance.
- Creation of videography and photography using commercial drones to help gain additional perspective for client marketing and research.
- Industries such as construction, agricultural and business branding.

President
Spot Light Business Branding

Oct 2011 - Dec 2016 | Imperial, PA

Signage, Apparel and Promotional

- Provided Vehicle Wraps and Graphics, Screen Printed and Embroidered Apparel, Signage and Promotional Items.
- Took company to $340,000 in one year's annual revenue.
- Oversaw five employees.

Co-Founder
Left Hand Clothing

July 2009 - Jan 2011 | Pittsburgh, PA

Apparel

- Clothing line of iconic designs from Pittsburgh influences.

Technical Sergeant - E6
US Air Force Reserves - 911th AW

Mar 2003 - Apr 2014 | Moon Township, PA

Military

- Spent 12 years in the Air Force reserves stationed at the 911th AW.
- While in the reserves, served 11 tours of duty, both stateside and overseas within a logistics career field.
- Awarded the Jesse Sweed award for Airman Excellence.

EDUCATION

Robert Morris University
Computer Information Systems, IT

2011 - 2013 | Moon Township, PA

American Military University
Business Management, Entrepreneurship

2007 - 2008 | Online

Art Institute of Pittsburgh
Multi-Media and Web Design

2000 - 2002 | Pittsburgh, PA

Bethel Park High School
High School General Studies

Sep 1994 - May 1998 | Bethel Park, PA

CERTIFICATES

Part 107 FAA Remote Pilot

OSHO 10

VOLUNTEER

Board Member
Certified Remote Pilot's Association of America

Apr 2017 - ongoing