





## UESI PGH-NUCA PA 2021 VIRTUAL SYMPOSIUM

**Damage Prevention** 

Bringing Stakeholders together to discuss Utility Conflict Management, S-U-E, and the direction of the industry.

Thursday, May 13, 2021 | 9:00 AM - 4:30 PM EST

## **Co-Sponsor Organizations**













## A Message from the UESI Pittsburgh Chair

"Coming together is a beginning; Keeping together is progress; Working together is success." - Henry Ford

Welcome UESI Members and Friends,



I am pleased to be kicking off our premier event as the Chair of the new Utility Engineering & Surveying Institute Pittsburgh Chapter!

Our Chapter has launched at a time when infrastructure initiatives are back in the spotlight with national discussions on infrastructure spending. ASCE Pennsylvania is also gearing up to grade the condition and performance of the Commonwealth's infrastructure later this year, which received a C- grade in 2018 due to the poor conditions of aging drinking water mainlines, deteriorating bridges and roadways, and the severe conditions of the sewer and wastewater systems. The discussion of how to improve our infrastructure remains not just relevant but important. So this is an opportune time for our Chapter to focus not only on the current condition of our infrastructure, but also to highlight the transformation in the way we will need to address utility impacts from infrastructure projects and what we can do to improve the project risk and asset management.

In partnership with the National Utility Contractors Association of PA, we are delivering our inaugural event on "Leading the Way to Smarter Utility Engineering Design & Construction Damage Prevention" so we can bring stakeholders together to share their insights and experiences of their respective utility coordination processes. Inaccurate and incomplete information about existing utilities carries serious project risks. Our projects rely on information obtained from all stakeholders: project owners, design engineers, professional locating services, facility owners, contractors, and One-Call system. Understanding each other's process and perspective can lead us to innovation and new practices that will help prevent utility damage, resolve utility conflicts before construction, enhance worker safety, improve project delivery, and ultimately put funding to better use.

We are honored to have Mr. Zembillas as the Keynote Moderator along with all the speakers, panelists, and co-sponsoring organizations that are participating in the symposium. I personally want to thank Nicholas Zembillas for his countless hours, dedication, and professional insight as we developed the program. Mr. Zembillas brings a dynamic personality, wealth of knowledge, and keen ability to engage with stakeholders for the event's panel discussions.

We invite you, the audience, to also share your unique viewpoints on the topics in the chat and Q&A sessions. We thank you for joining us!



## Agenda

9:00 AM Stakeholder's 411 on the 811: Roles & Responsibilities

Speaker: Armando Ferri, President Sicavo Consulting, LLC

Panelists: Marcos Bernal, Brenda Reigle, Ron Peterson, Jason Dailey, Mike Tavani

10:00 AM Case Study: Close Encounters of the Buried Kind

Speaker: Bryan Martucci, PE, CCM, Director, HR Gray

Panelists: Don Gawne, Brenda Reigle, Ron Peterson, Marcos Bernal, Brion Johnson

11:00 AM Let's Talk About S-U-E

Speaker: Bryan Teschke, PG, Principal & COO, The Lexis Group, LLC

Co-speaker: James Anspach, PG (r), Dist.M.ASCE

Panelists: John Campbell, PE, Marcos Bernal, Mike Tavani, John Palatiello, PLS, Brion

Johnson

1:00 PM CO One-Call & CDOT: A Culture Shift Story

Speaker: Rob Martindale, PLS, CDOT Utilities Program Mgr

Panelists: James Anspach, PG (r), John Campbell, PE, John Palatiello, PLS, Marcos

Bernal, Brenda Reigle

2:00 PM Case Study: Mission Possible - Puget Sound Energy's SR-510 Gas Pipeline Project

Speaker: Philip Meis, MS, PE, Utility Mapping Services, Inc.

Co-Speaker: Donald Haines, UMS

Panelists: Jason Dailey, John Campbell, Ron Peterson, John Palatiello, Brenda Reigle

3:00 PM Open Discussion & Keynote Closing

Keynote Speaker: Nicholas Zembillas

## **Q&A SESSIONS** | A: 3:30 - 4:00 PM | B: 4:00 - 4:30 PM

Explore more with these speakers and panelists!

#### TRACK 1

Moderated by: Justin Brooks, PE, PMP

T1A - PA1Call's "CoordinatePA" System and PennDOT's "Utility Relocation Management System (URMS)": User Tips and Q&A

Led by Mike Tavani, PennDOT and Marcos Bernal, PA1Call

T1B - Understanding PA1Call
Complex Projects & How it Impacts
Stakeholders

Led by Armando Ferri

#### TRACK 2

Moderated by: Gregory Scott, PE, PMP

T2A - Responsible-in-Charge and Liability

Led by James Anspach, PG(r) and John Campbell, PE

T2B - Getting the Right Level to Save Time & Save Moneywith SUE

Led by Bryan Teschke, PG and Chad Heller

#### TRACK 3

Moderated by: Kate McKinley, PG

T3A - Future of Models & Where It's Going

Led by Philip J. Meis, MS, PE

T3B - CO One-Call & CDOT S-U-E Story: What's Next for the Industry?

Led by Rob Martindale, PLS, CDOT

## **Session Information**

Session 1: 9:00 - 9:50 AM EST

#### Stakeholder's 411 on the 811: Roles & Responsibilities

Speaker: Armando Ferri, President - Sicavo Consulting, LLC

Panelists: Marcos Bernal, Brenda Reigle, Ron Peterson, Jason Dailey, Mike Tavani

Many people think that the One Call law applies only to the utility owners (Facility Owners) and contractors (Excavator). However, all the stakeholders play a role in ensuring utility conflict coordination and damage prevention. Stakeholders include the Facility Owners, One-Call System, Designers/Engineers, Excavators, Project Owners, and Enforcement (now responsibility of the Public Utility Commission). This session reviews and summarizes the roles and responsibilities for each stakeholder under the PA1Call law. Understanding each stakeholder's duties is an important step to managing and communicating potential utility conflict issues in the field during construction.

Brought to you by: A&H Equipment and TRUVAC

Session 2: 10:00 - 10:50 AM EST

#### **Case Study: Close Encounters of the Buried Kind**

Speaker: Bryan Martucci, PE, CCM, Director - HR Gray Co-Speaker: Don Gawne, Sr Construction Manager - PWSA

Panelists: Brenda Reigle, Ron Peterson, Marcos Bernal, Jason Dailey, Brion Johnson

The Pittsburgh Water & Sewer Authority (PWSA) Bates Waterline Replacement Project replaced aging and failing water main infrastructure that had seen considerable water breaks several years prior. The project was located in a heavily utilized transportation corridor off the I-376 Parkway. Under a tight and coordinated schedule, PWSA was able to replace 1,500 feet of two water main lines between June 2020 and July 2020 ahead of a scheduled PennDOT traffic improvement project and provide a reliable water service for customers in a critical junction of the distribution system. This case study highlights the complexity, coordination challenges, and concerns stakeholders commonly face during construction in an area with extensive buried utility network. This session will also look at the impacts to the project cost and schedule when unmarked or mismarked utility conflicts were encountered.

Brought to you by: DOLI Construction

Session 3: 11:00 - 11:50 AM EST

#### Let's Talk About S-U-E

Speaker: Bryan Teschke, PG, Principal & COO - The Lexis Group, LLC

Panelists: James Anspach, PG (r), ASCE, John Campbell, PE, Marcos Bernal, Mike Tavani, John Palatiello,

PLS, Brion Johnson

Accurately identifying and locating utilities is a critical component of any major project. Subsurface Utility Engineering, or SUE, in accordance with ASCE 38 is the engineering process of obtaining reliable subsurface utility information. SUE is widely used in transportation projects during design, but its application is growing to other major public projects due to the recognized cost and schedule savings realized during construction. This session covers ASCE guidelines and the different quality levels of SUE investigation, what the typical deliverables would be from their investigation, as well as some of the technology used to complete the work.

Brought to you by: McKim & Creed, Inc.

## **Session Information**

Session 4: 1:00 - 1:50 PM EST

#### **CO One-Call & CDOT: A Culture Shift Story**

Speaker: Rob Martindale, PLS, CDOT Utilities Program Manager

Panelists: James Anspach, PG (r), John Campbell, PE, ASCE, John Palatiello, PLS, Marcos Bernal,

Brenda Reigle

In an effort to reduce the growing number of damages to utilities and project delay claims caused by a lack of accurate utility location data and top remote excavation and digging safety, the CO One Call law was revised in 2018 (C.R.S. 9-1.5-101) to include Subsurface Utility Engineering (SUE) in accordance with ASCE 38 and to establish means of accountability in the form of enforcement. The change was widely supported by both public and private industry stakeholders. The Colorado Department of Transportation (CDOT) was the first to develop procedures and policies, which included scope of work and enforcement to implement C.R.S. 9-1.5-101. This case study provides insight into the CO One Call law and describes how CDOT is developing a Utility Process that includes SUE, Utility Coordination and Construction Management in accordance with C.R.S. 9-1.5-101.

Brought to you by: Independence Excavating, Inc.

Session 5: 2:00 - 2:50 PM EST

#### **Case Study: Mission Possible**

#### **Puget Sound Energy's SR-510 Gas Pipeline Project**

Speaker: Philip J. Meis, M.S., P.E., M.ASCE - Utility Mapping Services, Inc.

Panelists: Donald Haines, Jason Dailey, John Campbell, Ron Peterson, John Palatiello, Brenda Reigle

A one-mile segment of 8-inch steel high pressure natural gas main installation along a heavily traveled and utility congested urban corridor (SR-510) in Lacey, Washington was flawlessly designed and expeditiously permitted and constructed using: 1) engineering best practices and standards set forth by the American Society of Civil Engineers (ASCE) Construction Institute (CI) and Utility Engineering and Surveying Institute (UESI); and 2) emerging 3-D geophysical methods, 3-D modeling and 3-D design technologies. This case study shows how the pipeline alignment and design within the corridor was optimized to resolve 193 conflicts, save the project money, and reduce damage risks by using: 1) ASCE 38 standard guidelines and advanced 3-D geophysical methods; 2) 3-D modeling of existing utilities using Bentley's Subsurface Utility Design and Analysis (SUDA) application; and 3) utility conflict analytics performed in accordance with Second Strategic Highway Research Program's Identification of Utility Conflicts and Solutions (SHRP2 R15B) guidelines.

Brought to you by: Concrete Cutting Systems, Inc.

3:00 - 3:30 PM EST

#### **OPEN DISCUSSION & KEYNOTE CLOSING**

Keynote Moderator: Nicholas M. Zembillas

Brought to you by: Community College of Beaver County

## **Keynote Moderator**



Nicholas M. Zembillas
CEO/MD
Subsurface Utility Engineering, LLC

Email: nicholas.zembillas@suellc.com

Mr. Zembillas has over 42 years of experience in the public and private sector of Transportation and Subsurface Utility Engineering and Consulting industry. Mr. Zembillas is currently the CEO/MD of Subsurface Utility Engineering, LLC and SUE LATAM, LLC where he serves on various international standard committees, as an International Subject Matter Expert, advisor on subsurface utility engineering best practices & standard of care, utility damage prevention, utility coordination, utility relocation design methodology, utility claims analysis and geophysical & geospatial technologies reviews for public and private sector clients. Mr. Zembillas also serves on the SUE Association Executive Board.

Mr. Zembillas spent 15 years with the Florida Department of Transportation, as a project inspector/engineer in Construction and advanced to become District Utility Engineer, providing policy and leadership with the Utility Agency Owners whose facilities occupy public rights of way for the accommodation and use of the utilities. Mr Zembillas introduced in the to the transportation and utility industry, innovated process called Joint Project Agreement, whereas, Utility Installation was performed by the Highway Contractor, using approved utility subcontractors. This concept reduced construction delays and claims. Other state transportation agencies have developed similar programs. Mr. Zembillas spent 27 years in the private sector where he went on to develop a global business practice of professional Subsurface Utility Engineering (SUE) under the business name of TBE Group, which in 2008 merged with Cardno Limited. Under Zembillas' leadership, this division provided leadership and management for quality assurance and compliance for field operation, project management and project delivery, training and development, fleet management and safety standards for SUE global business units.

#### **Special Thanks to Our Session Sponsors**









**M&L Construction Co. LLC** 





Armando Ferri
President

Sicavo Consulting, LLC

Email: armando@sicavo.net

Armando Ferri is the President of Sicavo Consulting and General Manager for Stefanik's Next Generation Contracting Company. He is a graduate from Penn State University holding two engineering degrees.

**Speaker**: Session 1 - Stakeholder's 411 on the 811: Roles & Responsibilities

Armando has worked in the construction industry over 30 years as a contractor and represents the damage prevention community on several boards and committees such as PA 1 Call, Public Utility Commissions DPC Committee, Common Ground Alliance Best Practices Committee, and Vice President of NUCA of Pennsylvania.

His main objective is to help educate all stakeholders in understanding the 1 Call Law, how to be in compliance with the law, and damage prevention.



**Bryan Martucci** 

Director

**HR Gray - An Anser Advisory Company** 

**Speaker**: Session 2 – Close Encounters of the Buried Kind

Email: bryan.martucci@anseradvisory.com

Bryan Martucci began his career in civil engineering while serving as the Base Civil Engineer at Fort Indiantown Gap, PA, a position which also required him to manage military construction projects across the Commonwealth of Pennsylvania's

67 counties. During this time, his passion for the construction field was sparked by the challenge of overseeing the design and construction process, and he began to explore a career in real estate development. Upon the completion of graduate school, Bryan accepted a position in real estate development, which enabled him to return to the Pittsburgh region after being away from the area for 10 years, where he then gained experience as a Project Manager, a Development Manager and as a Director of Construction.

In 2018, Bryan joined H.R. Gray, a full-service construction management firm of 40 years that provides CM services for both horizontal and vertical construction projects. He is responsible for the day-to-day operations of the office, which includes the Business Development and oversight of the construction operations.

Bryan is a Penn State graduate and holds a BS degree in Structural Design & Construction Engineering, as well as an MBA. He is a Professional Engineer, and a member of the American Society of Civil Engineers, the American Institute of Steel Construction, and the Construction Management Association of America.



**Donald Gawne** 

Senior Manager of Construction
Pittsburgh Water and Sewer Authority

**Speaker**: Session 2 – Close Encounters of the Buried Kind

Email: dgawne@pgh2o.com

Donald Gawne is the Senior Manager of Construction for the Pittsburgh Water and Sewer Authority. He is responsible for managing the construction group which means interfacing with city managers, project managers, engineers, contractors

and other utility providers. As a seasoned professional with over 15 years of experience in sewer and water line construction, Don is known for finding solutions for repairing aging infrastructure in a complex urban environment. He is also known for his witty (and sometimes redundant) one-liners. Prior to PWSA, Don worked as a Construction Manager for both Hatch Engineers and Chester Engineering managing contractors, budgets, and repair methods.



Bryan Teschke
Principal and COO

The Lexis Group, LLC

**Speaker**: Session 3 – Let's Talk About S-U-E

Email: bteschke@thelexisgroupllc.com

Since 2019, Bryan J. Teschke, PG, PGp has been a Principal and the Chief Operations Officer of The Lexis Group, LLC (Lexis). Lexis is a Disadvantaged, Woman Business Enterprise (D/WBE) certified site design and engineering firm that specializes

in Subsurface Utility Engineering (S.U.E.) services. Mr. Teschke manages Lexis' S.U.E. and Utility Locating practice throughout Pennsylvania and surrounding states. He is both a licensed professional geologist and geophysicist, focusing his professional career in geophysics which is key to the successful application of S.U.E. to transportation, land development, construction and infrastructure projects.

Prior to joining Lexis, Mr. Teschke led the Pittsburgh office of a global infrastructure and environmental company. A recognized expert in geophysics, he has been involved in the Federal Highway Administration's implementation of the Strategic Highway Research Program R01B for advancing technology used for the detection of underground utilities. His passion for new technology and mapping capabilities influences the direction of Lexis in the marketplace.

Bryan manages Lexis resources and contracts serving all PennDOT Engineering Districts, the PA Turnpike Commission, the PA Department of General Services, and Penn State University. In addition to applying his expertise to Lexis clients, he donates his personal time to cemeteries around PA to assist them with identifying historic features and remains that may no longer be clearly marked.

Bryan has enjoyed visiting 48 states and several Canadian provinces. He looks forward to exploring the remaining two states on his bucket list (Arizona and Maine) with his wife, Laura, and three children, Jack, Jocelyn, and Rowan.



Rob Martindale, PLS

**Utilities Program Manager Colorado Department of Transportation** 

**Speaker**: Session 4 – CO One-Call & CDOT: A Culture Shift Story

Email: Rob.martindale@state.co.us

Mr. Martindale serves as the Utilities Program Manager at the Colorado Department of Transportation (CDOT) and the Rules, Policies and Procedures Administrator. He has over 20 years experience of experience in Construction, Land Surveying, GIS

systems management and engineering experience. Mr. Martindale is currently located at CDOT Headquarters Project Support Unit in Denver, Colorado. He is responsible for improving CDOT's Subsurface Utility Mapping program and utility data management systems. He also serves as Technical Council Chair on Utility Mapping, GIS & Data Management for the American Association of State Highway Transportation Officials (AASHTO).



Philip J. Meis, MS, PE

President, Principal Engineer Utility Mapping Services, Inc.

**Speaker**: Session 5 – Mission Possible - Puget Sound Energy's SR-510 Gas Pipeline

Project

Email: pjmeis@umsi.us

Philip Meis, a registered professional engineer with a diverse background in civil design, surveying and mapping, geophysics, and data management, is well suited

for subsurface utility engineering. In 2002 Mr. Meis co-founded UMS to specifically address and execute SUE as a rigorous geophysical and engineering discipline. He has provided SUE services on a national level since 1996. He has presented regularly at numerous conferences including: National Highway Joint Usage and Utility Educational Conference; AASHTO Subcommittee for R/W and Utilities; Design Build Institute; Common Ground Alliance; DOT state conferences in CO, MT, UT, MN, WA; APWA National Congress. Mr. Meis has published numerous papers advocating the use of SUE and new data acquisition and data management techniques.



**Donald Haines** 

Senior Engineer
Utility Mapping Services, Inc.

**Speaker**: Session 5 – Mission Possible - Puget Sound Energy's SR-510 Gas Pipeline

**Project** 

Email: dhaines@umsi.us

Don Haines is a Senior Engineer at Utility Mapping Services, Inc. He joined UMS as a civil engineer in 2012 after an illustrious carrier with the National Oceanic and

Atmospheric Administration (NOAA). He received his Bachelor of Science in Mechanical Engineering from Michigan University in 1987. In addition to Civil Engineering, Mr. Haines's expertise is in technology integration, surveying, and hydrographic data acquisition and processing. He is on the Board for the Subsurface Utility Engineering Association and is an active member with the American Society of Civil Engineers (ASCE) and Common Ground Alliance (CGA).

## **Q&A Session Track Guest Speaker**



Chad Heller
Phase Manager
Surveying And Mapping, LLC

Email: cheller@sam.biz

Chad Heller is a Phase Manager with Surveying And Mapping, LLC or more commonly known as SAM, LLC. His career in utilities begun directly after graduating from Pleasant Valley High School in 2005 as an Equipment Operator installing sanitary sewer systems. In April of 2013 Mr. Heller joined So-Deep Inc. as a Field Manager, which was then acquired by SAM, LLC where he expanded his role to

Field Operations Manager and now Phase Manager to oversee additional services, advanced technology, and more comprehensive training. I currently have 16 years in the utility field with 8 of those years directly in the SUE field. Mr. Heller currently oversees projects including all quality levels of SUE services, vacuum excavation, utility coordination, operational oversight, and project management including QA/QC review of final deliverables, and most importantly, being a trusted advisor to his clients.



## James Anspach, PG (r), Dist.M.ASCE

**Utility Engineering Subject Matter Expert**J.H. Anspach Consulting

Email: jim@jhanspach.com

James Anspach, PG, is a global expert in subsurface utility engineering (SUE). He has been instrumental in the utility engineering industry with more than 40 years of global experience, including in the United States, Canada, United Kingdom and Australia. Mr. Anspach was a founding governor and president of the American Society of Civil Engineer's (ASCE) Utility Engineering & Surveying Institute (UESI).

Additionally, he was elected as a Distinguished Member of the ASCE for his life-long eminence in utility engineering and utility damage prevention development, knowledge, and experience.



Marcos Bernal
Senior Damage Prevention Liaison
Pennsylvania 811

Email: mrbernal@pa1call.org

Marcos R. Bernal, Senior Damage Prevention Liaison, started at Pennsylvania One Call System, Inc. as part time help as a Customer Service Representative in June 2008 while enrolled in school at Thiel College. After graduation, began working in the Member Services & Accounting Department full time. In June 2014, Marcos was promoted to the Education Department of Pennsylvania One Call System,

Inc. based in the Southwest region of Pennsylvania. Marcos also works daily with utility coordinating efforts within Pennsylvania and is the Immediate Past President of the American Public Works Association Western Pennsylvania Chapter.



Way and Utilities committee for 6 years.

John P. Campbell, PE, SR/WA, M.ASCE

Texas Branch Manager T2 Utility Engineers

Email: john.campbell@t2ue.com

John P. Campbell, PE, SR/WA, M.ASCE is the Texas Branch Manager for T2 Utility Engineers from Austin, TX. He earned a BS in Civil Engineering from Texas A&M University and an MBA from the University of Texas, Dallas.

John is a licensed Texas Professional Engineer and worked as a utility construction superintendent and municipal utility design consultant before 27 years with TxDOT as a Utility Coordinator, the Statewide Utility Engineer and Right of Way Division Director. He served as Chairman of the AASHTO Right of

John is a founding member of the UESI, Utility Risk Management (URM) division and served as the 2017 URM Division Chairman. He was appointed to the UESI Board of Governors (BOG) in 2018 and elected 2020 UESI President-Elect. John currently serves as the 2021 UESI President and as a member-governor on the ASCE Technical Region Board of Governors.



Jason Dailey

## Utilities Director Cranberry Township

Email: jason.dailey@cranberrytownship.org

Jason Dailey serves as the current Utilities Director and was the former Public Works Director for Cranberry Township in Butler County. Mr. Dailey is responsible for the management and oversight of all Township and Authority operated Utilities within Cranberry Township. The newly created Utilities Department is responsible for the divisions of the sewer treatment plant and collection system, pretreatment,

water distribution, stormwater and solid waste. Administration, technical operational involvement, routine business and citizen engagement, personnel, budgeting, capital planning, asset management, bargaining unit negotiations are all just a few of the responsibilities in this position.

Prior to his current position, Mr Dailey served as Township Manager for two different communities in Allegheny County. Jason was an appointed Board member of the Municipal Employers Insurance Trust (MEIT) and held officer positions on the Association for Pennsylvania Municipal Managers (APMM) while in the profession.

Mr Dailey achieved his undergraduate degree from Waynesburg College in 1997 and his M.B.A from Point Park University in 2001. Mr Dailey has been an instructor for the Local Government Academy (LGA), Pennsylvania State Association for Township Supervisors (PSATS), Pennsylvania State Association of Boroughs (PSAB), the University of Wisconsin at Madison for operations management and Robert Morris University for undergraduate course work. He has extensive knowledge in the operations and administration of local governments. Mr Dailey is the recent Past President of the Western Pennsylvania Public Works Association (APWA) and remains active in its leadership. Mr Dailey is also currently in the leadership role of the Butler County Council of Governments.

As a professional consultant, Mr Dailey assists local governments in various operational challenges including public works operations, code enforcement, economic development, technology and software inventories. Mr Dailey has a well-rounded background in operations and administration in local government.



# **Brion Johnson Executive Director PENNVEST**

Email: bjohnson@pa.gov

Brion Johnson is the Executive Director with the Pennsylvania Infrastructure Investment Authority (PENNVEST), in Harrisburg, Pennsylvania. Mr. Johnson began service as PENNVEST's first field representative, when the program was launched in 1988, providing outreach and review to projects and then served as the Deputy Executive Director for Project Management, and was appointed to his

current position three years ago after the retirement of Paul Marchetti. Brion manages a lean professional staff in what is primarily a virtual office format, representing areas of expertise in project management, financial review, program implementation, loan origination, loan servicing, financial management, legal and information technology. PENNVEST has approved almost \$10 billion in funding to date, representing well over 3,100 water quality project approvals impacting communities across all 67 counties in the Commonwealth. As primarily a revolving loan program, the money offered to system owners at very low interest rates to finance the capital necessary for needy water, sewer, storm water systems as well as non-point source and brownfield projects, come back into the program in the form of repayments and is made available for future water quality investments.



John Palatiello

Partner
Miller/Wenhold Capitol Strategies, LLC

Email: john@mwcapitol.com

John M. Palatiello is a partner in Miller/Wenhold Capitol Strategies, LLC, a government relations and association management firm located in the Washington, DC suburb of Fairfax, Virginia, specializing in market consulting, government affairs and association management services to firms and organizations in a variety of fields, with a particular specialty in surveying, mapping, geospatial, and engineering.

For 30 years he was President of the firm of John M. Palatiello & Associates, Inc., which was acquired by Miller/Wenhold.

John is a leading authority of public policy issues affecting the geospatial and engineering communities. He was named one of the "ten most influential people in the geospatial community" by *Directions* magazine and is listed in *Who's Who in Professional Design Practice*.

He serves as Executive Director of the Subsurface Utility Engineering (SUE) Association, as well as the Maryland Society of Surveyors, the Virginia Association of Surveyors, and the Council on Federal Procurement of Architectural-Engineering Services (COFPAES). Additionally, he is the government affairs consultant to the National Society of Professional Surveyors (NSPS). A recent executive management activity is as CEO of U.S. GEO, a coalition of geospatial firm executives. In 2020, he formed an exploratory group, the Geospatial Equipment and Technology Institute (GETI), to serve as a collaboration and voice for hardware, software, and equipment firms serving the surveying, mapping, GIS, GPS and geospatial market



Ron Peterson

Owner
Ron Peterson Consulting, LLC

**Email**: ron@ronpetersonconsulting.com

Ron Peterson is owner of Ron Peterson Consulting, LLC. He provides utility locating training services, damage prevention and investigation services. Mr. Peterson's background includes over 25 years of experience in the underground utility industry and he is certified as a fiber optics technician and a fiber optics specialist. Mr. Peterson is the current Executive Director of Nulca. He has been involved in the

industry for over 20 years with extensive experience in locating and damage prevention. He has been involved with NULCA since 2003 as well as with the Common Ground Alliance since its inception. Ron is dedicated to damage prevention and improving safety within the industry. He is a founding member of the Missouri Common Ground Alliance, and sits on the PHMSA Damage Prevention Roundtable. He has served on several committees and regional partners for the CGA. He has won numerous awards for his efforts, including NUCA Associate of the Year and Most Valuable Member of the CGA.



Brenda V. Reigle
Executive Director
NUCA Pennsylvania

Email: ed@nucapa.org

Brenda has served as executive director of NUCA of Pennsylvania since 1996. Her 24 years of service to the association and the industry has been one of generous devotion to the chapter's membership across an endless number of areas. She has a deep reservoir of understanding both industry issues and political knowledge in the state capital of Harrisburg.

She has been the voice of the Pennsylvania utility construction industry throughout her leadership in the state chapter. Brenda's advocacy outreach to the membership has kept the industry's issues active and on the minds of state legislators. Brenda also has been a steadfast advocate at NUCA's Washington Summit every year for more than two decades, where she not only led NUCA's Pennsylvania delegation through the state's many lawmaker offices in the U.S. House and Senate but has mentored fellow Chapter executive directors and NUCA members who are new to the legislative process.

Prior to her NUCA career, Brenda was the executive director for the 43rd Pennsylvania State Senate District for almost seven years. She started out in the state House of Representatives in 1985 as a legislative assistant. Her voluminous legislative knowledge has been invaluable for her members in negotiating the complicated policy corridors in Harrisburg and the state's regulatory agencies.



#### Mike Tavani

Utility Relocation Administrator
PennDOT, Utilities & Right-of-Way Section, Central Office

Email: mtavani@pa.gov

Mike Tavani is a utility relocation administrator for Pennsylvania Department of Transportation's Central Office Relocation Unit. The District Utility Relocation Units are responsible for the clearance of utility facilities on all construction projects in the district and the implementation of the department's policies and procedures. Utility facilities include all gas, water, sanitary sewers, electric, cable

TV, communications, petroleum products pipelines, and other facilities that provide direct or indirect utility service to the public.

The Central Office Relocation Unit is responsible for the coordination and application of the policies and procedures outlined and prescribed by the department's Design Manual for Utility Relocations. The unit also provides the districts with technical assistance and operational guidance.

## **Q&A Session Moderators**



## Justin Brooks, PE, PMP

Director of Construction Technology & Management Programs
Community College of Beaver County

Email: justin.brooks@ccbc.edu

Justin Brooks, PE, PMP was named the Director of Construction Technology & Management programs at the Community College of Beaver County in 2019. The Community College of Beaver County's Construction programs were developed in partnership with Mascaro Construction to develop pathways for both high school students pursuing construction or engineering careers, as well as working non-

traditional students who are looking at growing their careers. Justin holds a BS in Civil Engineering Technology from Point Park University and a MS in Civil Engineering from Ohio University. He is licensed Professional Engineer in Pennsylvania, where he has worked in engineering and construction for over 17 years. Justin also has served on the board of directors for the ASCE Pittsburgh Section since 2018, where he has also served as cochair of the continuing education committee.



**Gregory Scott, PE, PMP** 

Senior Project Manager CDM Smith

Email: Scottgf@cdmsith.com

Gregory (Greg) Scott, is a senior project manager at CDM Smith with over 28 years of experience in civil engineering. His background encompasses facilities planning, design of collection systems, transmission mains, storage reservoirs, pump stations, SCADA systems, and treatment works for municipal clients. He also supports the administration of all phases of government grant and permit programs; preparing

annual budgets and technical support for bond refinancing; infiltration and inflow studies; hydraulic characteristic and system inventory studies; implementation of combined sewer overflow programs; and construction management of civil municipal, water and wastewater projects. Mr. Scott is currently the Chair of the ASCE Energy Environment & Water Policy Committee. He served two terms as a Region 2 Governor of ASCE from 2006 until 2012, representing civil engineers from Pennsylvania, Delaware, Maryland and the District of Columbia. Greg has served on the Pennsylvania Infrastructure Report Card Committee at various capacities since 2006. He is currently serving as the Pittsburgh Section Legislative Affairs Committee Chair, serves as the Past Chair of the EWRI Professional Practices Council and is the Chairman of the Technical Program Subcommittee for the ASCE Annual Convention.



Kate McKinley, PG

Senior Geophysicist and Vice President THG Geophysics

Email: ksm@thggeophysics.com

Kate McKinley is the Senior Geophysicist and Vice President of THG Geophysics. With nearly 20 years of experience as a consulting geophysicist, she has applied geophysical technologies to diverse projects in engineering, environmental, and archaeological disciplines. She has also had the opportunity to work with non-invasive mapping technologies used in the SUE process from development to production.

## **UESI Pittsburgh Chapter Officers**





CONTACT US:

#### **Chapter Chair**



## Alma Rettinger, PE Project Engineer McKim & Creed, Inc.

**Email**: arettinger@mckimcreed.com

Alma Rettinger is a Civil & Environmental Engineer for the Industrial Design-Build group at McKim & Creed, Inc. She comes with approximately 20 years of experience working on projects in environmental remediation, water/wastewater, program planning, project permitting, and construction administration for the commercial, industrial, mining, and public sectors. She's been actively involved with the Pittsburgh Section and the Board since 2016.

### **Vice Chair**



# Kate McKinley, PG Senior Geophysicist and Vice President THG Geophysics

Email: ksm@thggeophysics.com
Kate McKinley is the Senior
Geophysicist and Vice President
of THG Geophysics. With nearly
20 years of experience as a
consulting geophysicist, she has
applied geophysical technologies
to diverse projects in engineering,
environmental, and archaeological
disciplines. She has also had the
opportunity to work with noninvasive mapping technologies
used in the SUE process from
development to production.

## **Secretary-Treasurer**



# Ashwin Ranna, PE Professional Engineer Geosyntec Consultants, Inc.

Email: ashwin.ranna@gmail.com Ashwin is a Professional Engineer with over 10 years of international and national experience as a civil engineer. He is currently involved with environmental remediation and Brownfields Redevelopment projects at Geosyntec Consultants, Inc. He understands the importance of utility engineering as his projects are often former industrial sites with poorly documented historical utilities. He's been active with ASCE since 2015 and has previously served as YMF President.

## Organization Information



The **Utility Engineering & Surveying Institute Pittsburgh Chapter** was founded in January 2021.
We represent and advance the state of knowledge and practice of utility engineering and surveying in the Region. We promote excellence in the engineering, planning, design, construction, operations, and asset management for utility infrastructure and engineering surveying.



The Pennsylvania Utility Contractors Association (PUCA) now d/b/a NUCA Pennsylvania has been the voice of the utility industry for sewer and water contractors, suppliers, professionals in the industry, and governmental entities for 50 years in 2017. Our mission is to provide funding for utility projects, fair and reasonable contract specifications, timely payments on work performed, fair bidding practices, subsurface utility locating and a favorable law and regulatory environment.

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