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SOCIETY OF AMERICAN MILITARY ENGINEERS

JACKSONVILLE POST

TRI - REGIONAL JETS 2025

JOINT ENGINEER TRAINING SEMINAR



October 21 - 23, 2025





Welcome to the SAME Jacksonville Post Tri-Regional JETS!

On behalf of our dedicated SAME Jax Post Officers, Directors, and many volunteers, THANK YOU for joining us for what we trust will be a valuable, rewarding, and fun-filled three days. As our theme this year states, the goal of this year's Tri-Regional Joint Engineer Training Seminar is to assist our government, industry, academic, and other sponsoring organizations and attendees to innovate, collaborate, and succeed in changing times.

This theme supports the mission of the Society of American Military Engineers, "to lead collaboration in support of our national security priorities through advancing three interrelated strategic goals: Drive Partnerships, Deliver Solutions, and Develop People." We intend this event to enable YOU to support these goals.

With a packed agenda that includes training sessions along multiple tracks, a broad presentation by leaders from Naval Facilities Engineering Systems Command, the US Army Corps of Engineers, and others, roundtable discussions with contracting and technical representatives from our agency partners, and ample opportunities to network and gain continuing education units, our team has developed a program we are very proud of and from which we hope you gain maximum benefit.

We wish to extend special thanks to our sponsors, and in particular our titanium sponsor, AECOM. Your generous support enables us to develop people – our future STEM leaders – through support to local school STEM programs, our SAME Jax Post STEM camp for high school students, and college scholarships.

I also wish to personally thank our phenomenal JETS planning team, led by Marcel Duplantier and Melissa Smith, for their collective efforts to ensure this week is a success!

The Post and planning team leadership are available to answer questions and ensure you feel welcome and included, starting at the registration table. We hope you will stay engaged with this incredible community through our monthly luncheons and regularly scheduled networking events.

Sincerely,

A handwritten signature in dark ink, appearing to read "Tom Bestafka".

Tom Bestafka, PE
SAME Jacksonville Post President



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CONFERENCE AGENDA



Time	Event	Location
Tuesday, October 21		
7:30 am	Golf Scholarship Tournament (8:00 am Registration, 9:00 am Shotgun Start)	Hidden Hills Golf Club
3:00 pm - 5:00 pm	Exhibit Set-Up	Hyatt Regency Jacksonville Riverfront
5:30 pm - 7:30 pm	Networking Social	Jacksonville Museum of Contemporary Art
Wednesday, October 22		
6:00 am - 9:00 am	Exhibit Set-Up	Hyatt Regency Jacksonville Riverfront
7:30 am - 9:45 am	Coffee/Continental Breakfast in Exhibit Area	
7:30 am - 4:30 pm	Registration Open	
9:00 am - 8:30 pm	Exhibit Hall Open	
8:00 am - 8:30 am	Opening Session and Kickoff (Mr. Tom Bestafka, SAME Jax Post President)	
8:40 am - 10:30 am	Technical Training Session I & II	
10:30 am - 11:00 am	Exhibit Hall Break & Morning Innovation Stations	
12:40 pm - 1:30 pm	Technical Training Session III	
12:00 pm - 12:30 pm	Buffet Lunch and move to Ballroom	
11:00 am (11:10 - 12:00)	Lunch with Keynote Speaker* (RADM Jeffrey J. Kilian, Commander, Naval Facilities Engineering Systems Command)	
1:40 pm - 3:30 pm	Technical Training Session IV & V	
3:40 pm - 4:30 pm	Exhibit Hall Break & Afternoon Innovation Stations	
4:30 pm - 5:20 pm	Technical Training Session VI	
6:00 pm - 8:00 pm	Networking Reception in the Exhibit Area	

* Virtual Presentation



CONFERENCE AGENDA



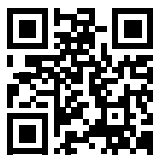
Time	Event	Location
Thursday, October 23		
7:30 am – 9:30 am	Coffee/Continental Breakfast in Exhibit Area	Hyatt Regency Jacksonville Riverfront
7:30 am – 9:30 am	Registration Open	
8:00 am – 4:00 pm	Exhibits Open	
8:00 am – 8:30 am	Opening Session (Mr. Tom Bestafka, SAME Jax Post President)	
8:30 am – 9:15 am	Keynote Speaker (Mr. Eric Bush (SES), USACE Chief of Planning & Policy)	
9:25 am – 10:15 am	NAVFAC SE Agency Briefing (Jeff N. Killian, NAVFAC Southeast Business Director)	
10:15 am – 10:45 am	Exhibit Hall Break	
10:20 am – 11:00 am	Industry Engagement on Collaborative Delivery Methods (LCDR Jeremiah Gill, HQ USSOCOM)	
11:00 pm – 11:30 pm	Buffet Lunch and move to Ballroom	
11:30 am – 12:30 pm	Lunch with Keynote Speaker Mike Blount, Mike Wehr SAME Executive Director & Mike Huffstetler SAME National President	
2:40 pm – 3:45 pm	Exhibit Hall Break	
2:45 pm – 4:30 pm	Meet & Greet with Govt Reps (Open table format with PMs, Chiefs, Contracting & More - no appointments or sign-ups necessary)	
4:30 pm	Exhibit Hall Breakdown	

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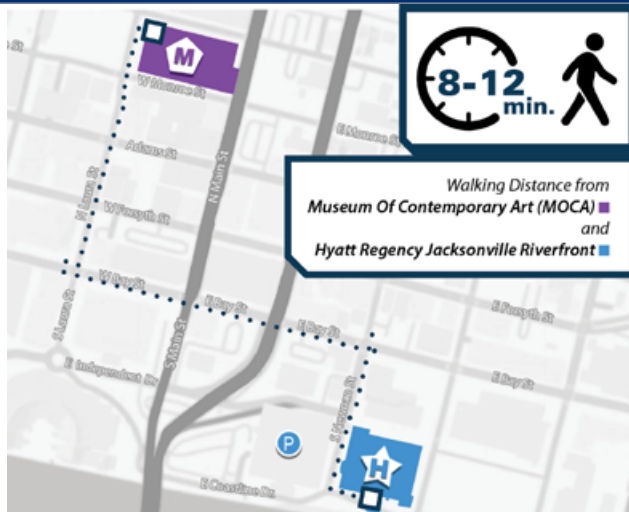
NETWORKING RECEPTION



Tuesday, October 21 | Networking Social at Jacksonville Museum of Contemporary Art (MOCA)

It will be a short walk in order to get from the Hotel to the Museum of Contemporary Art on Tuesday night.

Alternatively, on-your-own rideshares or parking in the MOCA parking garage are options, too. Please see the map to the right for Google Maps Directions to the museum.



From 5:30 pm - 7:30 pm

Parking

5 min

Walking Distance from the Yates Parking Garage
200 E Adams, 200 E Adams St,
Jacksonville, FL 32202
to the Hyatt Regency
Jacksonville Riverfront

\$ Parking \$7.03 per day.

5 min

Walking Distance from the Annex Garage
21 E Bay St,
Jacksonville, FL 32202
to the Hyatt Regency
Jacksonville Riverfront

\$ Parking from \$20/\$25, Pay in Advance.

7 min

Walking Distance from the Jacksonville Center Garage
1 W Bay St,
Jacksonville, FL 32202
to the Hyatt Regency
Jacksonville Riverfront

\$ Parking from \$20/\$25, Pay in Advance.



There are three parking lots / garages in close vicinity to the Hotel / Conference. Last year the Hyatt Garage filled up quickly, so we created the following map to show you other parking options in the area.

- The Annex Garage uses Universal Parking & ParkChirp, to reserve discounted parking.
- The Yates Garage uses the Park Mobile app to pay for parking.

GOLF SCHOLARSHIP TOURNAMENT

Tuesday, October 21 | Hidden Hills Golf Club

DEAR SPONSORS AND PARTICIPANTS,

On behalf of the Jacksonville Post of SAME, I'd like to extend my heartfelt gratitude to all our incredible sponsors and participants for your unwavering support of our annual scholarship program. Your generosity and participation have been instrumental in making these opportunities possible for deserving students. Last year, with your help, we raised over \$15,000 towards scholarships for high school and college students who are pursuing their dreams in Engineering, Science, and Architecture Programs. This remarkable achievement is a testament to the dedication and commitment of our community to fostering the next generation of innovators and leaders.

Thank you once again for your invaluable contributions. We look forward to continuing this journey together and making an even greater impact in the years to come.

Thank you,
Michael Holm

Sign-in Begins at 8:00 a.m. | Shotgun Start at 9:00 a.m.



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Rio Grande de Arecibo Flood Risk Management | Arecibo, PR

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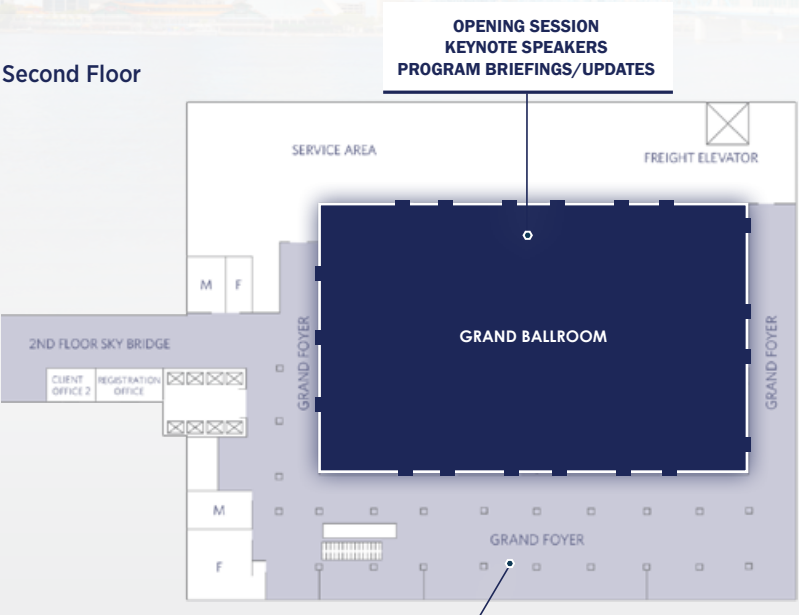
Team members on the ground in Puerto Rico

halff | **WGI**

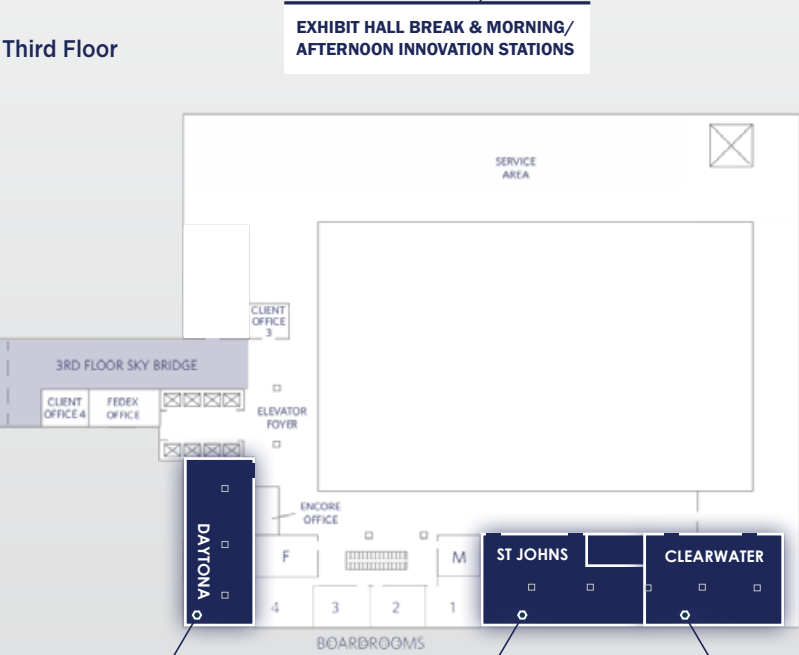


HYATT VENUE MAP

Second Floor



Third Floor



**TECHNICAL TRAINING SESSIONS
BREAKOUT SESSIONS**

**TECHNICAL TRAINING SESSIONS
MEET & GREET**

**TECHNICAL TRAINING SESSIONS
MEET & GREET**



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TECHNICAL TRAINING TRACKS AGENDA

Wednesday, Oct 22

Time	Event	TRACK A: Innovation & Collaboration in Acquiring and Delivering Projects <i>Clearwater Room</i>	TRACK B: Innovation & Collaboration in Civil Works & Emergency Response <i>Main Ballroom</i>	TRACK C: Innovations in Military Facilities <i>St. Johns Room</i>	TRACK D: Innovations in Installation Facilities Energy, Water and Cyber Security <i>Daytona Room</i>
9:00 am – 8:30 pm	Exhibit Hall Open				
8:40 am – 9:30 am	Technical Training Session I	Beyond the Unified Facilities Criteria (UFC): Utilizes Privatization and the Power of Innovative Solutions <i>CDR Nate Chenarak</i> NAVFAC SE <i>Moderator: Mahsa Modiri, PhD, PE</i> EA Engineering, Science, and Technology, Inc., PBC	COASTAL STORM RISK MANAGEMENT PANEL: Hydrodynamic Dredging, Nautical Depth, & Other Murky Topics & Update on Naval Station Mayport Dune Restoration <i>Joe Wagner, PE, BCNE, BCEE</i> Black & Veatch, <i>Pete Johnson, PWS</i> Oneida ESC Group <i>Moderator: Ed Chamberlayne, PhD, PE, F.SAME</i> PRIME AE Group	Innovation and Collaboration in Acquiring and Delivering Waterfront Restoration and Modernization Projects <i>Isaac Canner, PE</i> Moffatt & Nichol, <i>CDR Brian Mack</i> NAVFAC SE <i>Moderator: Angela Schedel, PhD, PE</i> HDR	Precision in Motion: Advancing Military Engineering Design with Mobile LIDAR <i>Randy Tompkins, PSM, PLS, PS & Bryant King, CST</i> DRMP <i>Moderator: Melissa Helton, PG</i> Battelle
9:40 am – 10:30 am	Technical Training Session II	Lean Design-Build: A Unified Strategy for High-Performance Project Delivery <i>CDR Daniel Eldred & LCDR Peter Fovargue</i> NAVFAC SE <i>Moderator: Jackie Brower, PhD, PE</i> Moffatt & Nichol	Navigating Dewatering Challenges in High-Precipitation Zones <i>Richard Bird, PE</i> AECOM, <i>Gregory Landry, PE</i> Keller North America <i>Moderator: Jason Kirk, PE, CQM-C, Assoc. DBIA</i> Black & Veatch	Implementing Facility Space Optimization Planning for US Air Force Installations <i>Kermit Lewis</i> Pond & Company <i>Moderator: David Dunne</i> Merrick & Company	Securing Operational Technology in the Shore Infrastructure <i>John Matlock, PE</i> Matlock & Associates <i>Moderator: James "Sandy" MacMurtrie</i> Johnson Controls
10:30 am – 11:00 am	Exhibit Hall Break				
10:30 am – 11:00 am	Morning Innovation Stations	Flood Forecasting Systems and the Potential Role in Military Installation Readiness <i>Warren McKinnie, PE, CFM, GISP</i> Streamline Technologies, <i>Kent Boulicault, PE</i> Half Associates <i>Moderator: J.P. Johns, PE</i> Woolpert	Design and Maintenance for Corrosion Protection <i>Cortney Chalfoux, PhD, PE, PCS</i> Pond & Company <i>Moderator: Mike Pampalone, PE, PMP</i> Alpha Corporation	Mechanochemical Destruction of PFAS in AFFP and AFFP-Impacted Soils <i>Hunter Anderson, PhD</i> Environmental Decontamination (NZ) Limited <i>Moderator: Mike Barrett, PMP</i> Tetra Tech, Inc.	
11:10 am – 12:00 pm	Technical Training Session III	Leveraging Artificial Intelligence for Enhanced Construction Management at NAVFAC SE <i>Alan Hall</i> ASR International Corporation <i>Moderator: Philip Elson</i> The Blackledge Group, Inc.	How to Truncate the Life Cycle of Emergency & Disaster Preparedness, Response & Recovery <i>Joseph Williams, PE</i> Michael Baker International, <i>Carlos Castillo</i> Tidal Basin Group, <i>Angela Nocera, PE, F.SAME</i> Michael Baker International <i>Moderator: Sean Lahav, MPA, WEDG</i> Half Associates, Inc.		
12:30 pm – 1:30 pm	Lunch with Keynote Speaker	RADM Jeffrey J. Killian Commander, Naval Facilities Engineering Systems Command			
1:40 pm – 2:30 pm	Technical Training Session IV	ADDRESSING PFAS CHALLENGES TODAY PANEL: Data Acquisition, Disposal Options and Outreach Communications <i>Dora Chiang, PhD, PE & Juliana Dean, PE</i> Jacobs <i>Moderator: Doug Harper, PE</i> Gilbane Building Company	Indian Lake Dam Rehabilitation – Strengthening for Post-Tension Anchoring Aged Concrete and Stone Masonry <i>Greg Johnson, PE, PMP</i> Colliers Engineering and Design <i>Moderator: Panneer Shanmugam, PE, F.SAME</i> RADISE International	A Roadmap and Innovative Solutions to achieve Installation Mission Assurance <i>Raul Herrera, PE, MS GEM, LEED AP</i> Black & Veatch <i>Moderator: Susan Thames, F. SAME</i> Miller-Remick	
2:40 pm – 3:30 pm	Technical Training Session V	Better, Faster, Cheaper Civil Works? A Section 203 A Case Study Sharing Real World Pros and Cons <i>Clayton Henderson, MBA</i> TGS & CPNID, <i>Lena DeSantis</i> Anchor GEA <i>Moderator: David Rose, Lt. Col, USAF</i> Rose Consulting Law Firm	USACE Caribbean Caño Martín Peña Ecosystem Restoration: "Landscape Adaptations to achieve Restoration Outcomes" <i>Meredith Allen, JD</i> AECOM-Black & Veatch JV <i>Moderator: Terry Hull, PE</i> AECOM-Black & Veatch JV	Alternative Construction Methods: From Concept to Reality <i>CDR Sam Yu</i> NAVFAC SE <i>Moderator: Michael Jarosz, PE</i> Dewberry	STREAMLINING CMHC 2.0 & FRCS COMPLIANCE PANEL: Software Solutions for Small DoD Contractors & Mastering Cyber Resilience for Critical Operations <i>Josh Hammer</i> H&V Facility Solutions Inc., <i>Chris Bleigan, PMP, ITL&S, CHM&A, CMHC-CCP</i> Black & Veatch <i>Moderator: Doug DeFazio</i> Bluestone Environmental Group, Inc.
3:40 pm – 4:30 pm	Exhibit Hall Break				
3:40 pm – 4:30 pm	Afternoon Innovation Stations	Pros and Cons of Joint Ventures and Teaming <i>David Rose, Lt. Col, USAF</i> Rose Consulting Law Firm <i>Moderator: Patrick Dugan, PE, PMP</i> DLR Group	"See Civil Works Session in Daytona Room"	Advancing Resilience in Vertical Facilities: Permanently Solving Water Intrusion Through Innovation and Public-Private Partnership <i>Marco Sousa</i> CL Wizard, LLC <i>Moderator: Thomas L. Chapman, PE, CPM, CHC</i> Guidon	FRPs Steal the Day in Civil Works Infrastructure <i>Craig Morin, PE & Lee Canning, PhD</i> Jacobs, <i>Liesbeth Tromp</i> Haskoning, <i>Eric Johnson, PE, SE, CCT-VIP</i> USACE, Inland Navigation Design Center <i>Moderator: Gerald Morris, CDT, LEED AP BD&C, PMP, CCM, F.SAME</i> Michael Baker International
4:30 pm – 5:20 pm	Technical Training Session VI	Project Labor Agreements: Navigating Opportunities and Challenges in Federal Construction <i>Aaron Glover</i> Whiting-Turner, <i>Mr. Joseph (Joe) Angell II, PE, F.SAME</i> Wiley Wilson, <i>Rick Narenville</i> BIC <i>Moderator: Angie Martinez, PE</i> Martinez Construction	Success with Local Utility Coordination for Federal Projects <i>Pamela Little, PE, PMP, GPCP & Scott Smith, PE</i> Pond & Company, <i>Shannon Bailey-Partlow, PE, PMP & James Warner, PE</i> Tetra-Tech <i>Moderator: Eric Aaby, CEM, PE</i> Kinley-Horn	Practical Solutions to PFAS: Scalable Site Management Strategies <i>Mahsa Modiri, PhD, PE, Michael Hertz, PG & David Steckler, PG</i> EA Engineering, Science, and Technology, Inc., PBC <i>Moderator: Ivy Harvey, PE</i> EA Engineering, Science, and Technology, Inc., PBC	

Moderator: **Mahsa Modiri, PhD, PE** | EA Engineering, Science, and Technology, Inc., PBC
International Contaminants of Emerging Concern (CECs) Expert

Delivering Adaptable and Cost-Effective Infrastructure: A Utilities Privatization Success Story

CDR Nate Chenarak | NAVFAC Southeast

This presentation explores how Utilities Privatization (UP) can offer a cost-effective and adaptable approach to infrastructure development, leveraging the expertise and efficiencies of industry partners and utility service providers. An overview of the Naval Station Mayport UP project demonstrates how a privatized wastewater treatment solution achieved significant cost savings and accelerated timelines compared to traditional approaches. Furthermore, the UP structure provided critical flexibility and speed of execution when more stringent environmental regulations for wastewater discharge were introduced after contract award, ensuring continued compliance without significant delays. This case study highlights the potential of UP to provide exceptional value and resilience by fostering collaborative partnerships and driving innovative approaches to infrastructure development.



CDR Nate Chenarak NAVFAC SE

COASTAL STORM RISK MANAGEMENT PANEL:

Moderator: **Ed Chamberlayne, PhD, PE, F.SAME** | PRIME AE Group
Senior Vice President, Federal Programs

Hydrodynamic Dredging, Nautical Depth, & Other Murky Topics

Joe Wagner, PE, BCNE, BCEE | Black & Veatch

National Sediment Management & Dredging Lead

Port and waterway authorities face persistent challenges managing fluid mud in high-siltation areas. Traditional dredging methods are costly and constrained by environmental regulations. This presentation explores innovative approaches to defining and managing nautical depth, focusing on fluid mud's rheological properties and vessel interactions. Fluid mud, a dense suspension of fine sediments and organic material, resists settling and complicates navigation. Rheological testing—such as stress sweep and flow curve analysis—offers insights into yield stress and other behaviors that influence navigability. Vessel impacts, including bow thruster and propeller effects, further inform depth criteria beyond traditional drag head assumptions.

Case studies from the Port of Emden, Felixstowe, and Harwich Haven Authority demonstrate successful applications of advanced monitoring and dredging techniques. These examples highlight cost-effective strategies that maintain navigable depths without extensive material removal.

In the U.S., the North Carolina State Ports Authority has adopted similar methods to reduce operational costs and improve berth access. This presentation proposes a framework for applying these techniques more broadly across U.S. waterways, enhancing safety and efficiency while minimizing environmental impact.

Update on Naval Station Mayport Dune Restoration

Pete Johnson, PWS | Oneida ESC Group

Senior Biologist and Project Manager

Construction completed from May 2024 through June 2025.

The objective of this Design-Build project was to restore an eroded dune and replace seven damaged boardwalks with six new boardwalks (two ADA compliant). Dune erosion and boardwalk damage had resulted from Hurricanes Ian and Nicole in 2022.

The dune restoration area was situated along the Atlantic Ocean from the mouth of St. Johns River to the southern boundary of NS Mayport. The extent of dune restoration was 5,620 feet in length with an in-place volume of approximately 64,000 CY. An innovative, beneficial-reuse of previous dredge material (compatible sand borrow source) was located within installation boundaries approximately one mile west of the dune restoration site. Haul road and dune construction sequencing accounted for environmental restrictions including marine turtle nesting season, beach nesting bird monitoring, and gopher tortoise monitoring and relocation. Upon completion of sand placement, the dune was planted with sea oats and other native species of dune vegetation. Permits required included a Joint Coastal Permit from the Florida Department of Environmental Protection.

Keywords: Beneficial-Reuse, Dune Restoration, Design-Build



Mr. Joe Wagner PE, BCNE, BCEE, is a Senior Coastal Engineer & Biologist at Black & Veatch, where he leads the firm's National Sediment Management & Dredging team. With over 24 years of experience, Joe specializes in developing integrated, system-based strategies that treat sediment as a resource to support long-term water infrastructure sustainability. His recent work centers on advancing sediment management practices that enhance navigation dredging and connectivity across the Southeast and beyond. Joe also serves as head of the ASCE-COPRI subcommittee on nautical depth and fluid mud, helping guide national standards and technical approaches for managing high-siltation waterways.



Mr. Pete Johnson, PWS, is a senior biologist and project manager with Oneida Environmental (part of OESC Group). He specializes in natural resource projects for DoD clients and private sector clients. He also supports OESC group construction projects with environmental permitting and compliance.

Moderator: **Angela Schedel, PhD, PE | HDR**
Director of Coastal Programs

Innovation and Collaboration in Acquiring and Delivering Waterfront Restoration and Modernization Projects

Isaac Canner, PE | Moffatt & Nichol
Senior Marine Structural Engineer

CDR Brian Mack | NAVFAC Southeast

The Navy maintains a large inventory of waterfront structures for mooring warfighting platforms. The structures are typically designed for a 50+ year service life and require routine inspections and repairs to maintain operational capability. Most of these structures are at or beyond their intended service lives. This presentation provides information on the planning, acquisition and delivery of waterfront rehabilitation projects, with case studies in the NAVFAC SE area of responsibility.

The presentation discusses the typical lifecycle process for maintaining and repairing these structures to include inspection, planning, funding, design and construction. The discussion includes an overview of the challenges unique to waterfront restoration and modernization projects with lessons learned and how collaboration between AEs, NAVFAC, Public Works Departments, and their customers has led to success. Future opportunities for innovation to deliver the projects more efficiently will also be covered.

M&N+BMCD SE JV holds a waterfront design IDIQ with NAVFAC SE and has delivered several waterfront rehabilitation projects in partnership with NAVFAC SE that include restoration and modernization of bulkheads, pile supported piers and wharves, mooring and berthing systems, and ship to shore utilities.



Mr. Isaac Canner, PE, is a Senior Marine Structural Engineer and is an integral part of Moffatt & Nichol's Inspection and Rehabilitation Practice. As a former ADCI-certified Engineer-diver, Isaac specializes in structural inspection, design and repair of waterfront structures to extend their service life and improve their operational capability.



CDR Brian Mack NAVFAC SE

Moderator: **Melissa Helton, PG | Battelle**

Federal Environmental Business Development Manager

Precision in Motion: Advancing Military Engineering Design with Mobile LiDAR

Randy Tompkins, PSM, PLS, PS | DRMP, Inc.

Federal Survey Manager for DRMP's Survey and Mapping/Geospatial Market Sector

Bryant King, CST I | DRMP, Inc.

Mobile LiDAR Group Leader

Mobile LiDAR (Light Detection and Ranging) has become a highly effective solution for rapid, precise, and comprehensive data collection, especially for Department of Defense (DoD) and Department of Transportation (DOT) projects. Mounted on vehicles or other mobile platforms, Mobile LiDAR captures vast, high-resolution datasets at speeds exceeding 60 mph—dramatically reducing time and costs compared to traditional methods.

Its ability to map extensive areas with unparalleled accuracy, penetrate vegetation, and capture both natural and built environments makes it ideal for military engineering, infrastructure development, floodplain mapping, and environmental assessments.

This presentation will showcase real-world Department of Defense project applications, demonstrating how Mobile LiDAR supports Architecture, Engineering & Construction, Facility & Infrastructure Asset Management, and Resilience initiatives. Case studies will illustrate integration strategies, workflow optimization, and measurable project benefits.

Attendees will gain insights into best practices for leveraging Mobile LiDAR, overcoming implementation challenges, and anticipating future advancements in geospatial technology that will further enhance mission readiness and project delivery.

Learning Objectives

1. Understand Mobile LiDAR Fundamentals – Learn how Mobile LiDAR works and the advantages it offers for rapid, accurate data collection in military engineering and related applications.
2. Explore Real-World DoD Case Studies – See how Mobile LiDAR supports infrastructure, environmental, and resilience projects through proven Department of Defense examples.
3. Integrate LiDAR into Engineering Workflows – Discover strategies for maximizing data quality, efficiency, and mission success using Mobile LiDAR technology.
4. Address Challenges and Future Potential – Identify common implementation challenges and explore emerging advancements shaping the future of Mobile LiDAR.



Mr. Randy Tompkins, PSM, PLS, PS, is a Licensed Professional Surveyor in Florida, eight additional states, and the U.S. Virgin Islands. He serves as Federal Survey Manager at DRMP, where he oversees business development and execution of geospatial and surveying projects for federal clients nationwide. Randy has led complex survey and mapping efforts for the U.S. Army Corps of Engineers, Naval Facilities Engineering Systems Command, U.S. Marine Corps, Department of Defense Education Activity, U.S. Coast Guard, U.S. Space Force, and U.S. Air Force. His expertise includes Mobile LiDAR, subsurface utility engineering, geodetic control, topographic, boundary, and hydrographic surveys. His project portfolio spans diverse and challenging locations, including NS Guantanamo Bay, Ascension Island, Cape Canaveral Space Force Base, Patrick Space Force Base, Puerto Rico, and numerous Navy and Marine Corps installations. An active member of the Society of American Military Engineers (SAME) since 2017, Randy currently serves as Past-President of the SAME Jacksonville Post and was recognized as "Member of the Year" in 2021. He is a proud graduate of the University of Florida with a Bachelor of Science in Geomatics.



Mr. Bryant N. King, CSTI, is the Mobile LiDAR Group Leader in the Geospatial Services Division for DRMP's Surveying and Mapping/Geospatial market sector. His team specializes in the implementation of terrestrial Mobile LiDAR, utilizing multiple sensors mounted on a variety of vehicles. With over a decade of experience in both Static and Mobile LiDAR technologies, Bryant delivers strategic and efficient solutions across a wide range of projects. He holds a Bachelor of Science from the University of Central Florida and has been a valued member of DRMP Survey for 12 years.

Moderator: **Jackie Brower, PhD, PE** | Moffatt & Nichol
Coastal Engineer and Scientist

Lean Design-Build: A Unified Strategy for High-Performance Project Delivery

CDR Daniel Eldred & LCDR Peter Fovargue | NAVFAC Southeast

Lean Design-Build merges the collaborative efficiency of Design-Build with the value-driven discipline of Lean thinking into one integrated delivery approach.

This session explores how Lean Design-Build drives early alignment, continuous improvement, and flow efficiency across the entire project lifecycle. Attendees will gain practical strategies for forming high-performing teams, applying Target Value Delivery, and avoiding common pitfalls.



CDR Daniel Eldred NAVFAC SE



LCDR Peter Fovargue NAVFAC SE

Moderator: **Jason Kirk, PE, CQM-C, Assoc. DBIA** | Black & Veatch
VP, Federal Strategy & Growth Officer

Navigating Dewatering Challenges in High-Precipitation Zones

Richard Bird, PE | AECOM
Principal Geotechnical Engineer

Gregory Landry, PE | Keller North America
Chief Engineer, Dewatering

Dewatering remains a major hurdle for civil works construction in regions like South Florida, where high water tables and intense rainfall present unique challenges.

This session provides a forum to discuss dewatering challenges and explore best practices in understanding government specs and achieve desired outcomes.

We envision a panel discussion with USACE and industry representation. We request assistance in finding suitable industry representatives on this subject.



Mr. Richard Bird, PE, is a Principal Geotechnical Engineer with AECOM in St. Louis. He has a Bachelor of Science degree in Civil Engineering from the University of Illinois (Urbana), a Master of Science degree from Harvard University, and over 60 years' experience in geotechnical engineering. He has specialized in construction dewatering and permanent groundwater control for the past 50+ years throughout North and Central America. He has designed, constructed, or supervised the construction of temporary and permanent groundwater control systems, both as a specialty contractor and as a consultant in widely varied hydrogeological conditions (from erodible non-plastic silts to highly pervious glacial outwash sand and gravel formations). His work has included the design and construction of both temporary and permanent groundwater control measures for dams, locks, levees, dry docks, and similar infrastructure. He is nationally recognized as a subject matter expert in groundwater control, has authored or co-authored many engineering reports and several technical papers on groundwater control. He is currently licensed as a Professional Engineer in Illinois, Louisiana, Missouri, New York, Utah, and Virginia.



Mr. Gregory Landry, PE, is the Chief Engineer for Dewatering at Keller North America. He has over twenty years of dewatering experience at all levels of installation, design, cost estimation, and sales. He holds a Bachelor's degree in Civil Engineering from the University of Waterloo (Canada), a Master of Engineering Science degree in Groundwater Studies from the University of New South Wales (Australia) and is a licensed Professional Engineer in New Jersey. He is experienced in many different geologies, but his recent focus is in-situ dewatering of fine-grained industrial by-products. Mr. Landry is also a past president of ASCE's New Jersey Section. Mr. Landry has dedicated his career to the science and practice of construction dewatering and is a frequent speaker at construction industry events.

Moderator: **David Dunne** | Merrick & Company
Director of Federal Planning

Implementing Facility Space Optimization Planning for US Air Force Installations

Kermit Lewis | Pond & Company

The United States Air Force (USAF) maintains a vast real estate portfolio, including more than 180 installations and over 500 million square feet of built infrastructure. A Facility Space Optimization Plan (FSOP) can identify underutilized, redundant, or inefficient facilities, enabling the USAF to streamline operations, reduce costs, and improve mission readiness.

The FSOP approach involves comprehensive asset inventory, condition assessments, and maintenance planning to ensure assets operate efficiently and cost-effectively. Leveraging advanced technology and data-driven insights, FSOPs develop customized facility space optimization plans that align with DoD objectives and industry practices, making best use of existing space and reducing the need for unnecessary MILCON spending while maximizing a return on investment to the DoD. FSOPs help clients optimize their footprint, while unlocking the full potential of their assets, ensuring long-term sustainability and operations success.

This session will provide an in-depth overview of the FSOP process and deliverables, as well as a case study for how the FSOP process was successfully implemented on an installation to optimize existing space use and plan a best path for the future. Audience members will learn the fundamentals of FSOPs through presentation-lead training and interactive discussion.

Attendees will learn the following:

1. The process and implementation of a Facility Space Optimization Plan for best use in their organizations.
2. Be a part of a collaborative discussion for the evolution of and improvements to the FSOP process to best meet industry needs in the future.
3. Applications of FSOP data to help facility planning, design and management initiatives with cost savings, efficiencies, and highest return on investment.



Kermit Lewis Pond & Company

Moderator: **James “Sandy” MacMurtrie** | Johnson Controls

Director, Federal Business Development, Colonel, USMCR Ret.

Securing Operational Technology in the Shore Infrastructure

John Matlock, PE | Matlock & Associates, LLC

President/Co-Founder of Matlock & Associates, LLC

Mission readiness begins at the shore, where secure and resilient infrastructure underpins fleet operations. Matlock and Associates LLC (Matlock), an 8(a) and Economically Disadvantaged Woman-Owned Small Business (EDWOSB) with a Secret Facility Clearance, supports Navy customers—including NAVFAC Southeast, NAVSUP Fleet Logistics Center Jacksonville, and Walter Reed National Military Medical Center with agile, mission-critical solutions.

This presentation will share lessons learned from Navy and DoD modernization projects, highlighting how to integrate cybersecurity, IT upgrades, and smart technologies into facility infrastructure.

Key discussion areas include:

1. Protecting Operational Technology (OT) and facility networks from cyber threats.
2. Upgrading legacy systems to meet evolving mission requirements.
3. Strengthening physical security and infrastructure protection for critical installations.
4. Attendees will gain practical insights into how small businesses like Matlock can accelerate naval shore modernization, improve security, and enhance operational efficiency across global Navy facilities.

These presentations address critical cybersecurity challenges facing shore infrastructure projects.

It examines strategies for securing Operational Technology (OT) and Industrial Control Systems (ICS) against evolving threats, emphasizing the unique vulnerabilities within these environments.



Mr. John Matlock, PE, is a Jacksonville-based civil engineer, cybersecurity leader, entrepreneur, and U.S. Air Force Cyber Effects Officer. He is the President & Co-founder of Matlock & Associates, LLC (“MATLOCK”), an 8(a), Top Secret-cleared firm recognized by Inc. Magazine as one of America’s fastest-growing companies. John leads high-performing teams delivering secure, scalable IT and cybersecurity solutions for federal and commercial clients—integrating Operational Technology (OT), ICS/SCADA, and facility systems with resilient architectures. Trained by the USAF in defensive cyber operations, John serves as a USAF ANG Flight Commander and Cyber Operator with a focus on protecting control systems that power mission-essential functions. His portfolio spans overseas design and systems engineering for large industrial and DoD complexes, connecting site/civil, utilities, BAS, ESS, and power with cyber-resilient design from day one.

Moderator: **J.P. Johns, PE** | Woolpert
Vice President

Flood Forecasting Systems and the Potential Role in Military Installation Readiness

Warren McKinnie, PE, CFM, GISP | Streamline Technologies
Director of Water Resources

Kent Boulicault, PE | Halff Associates
VP & Deputy Practice Leader

Extreme storms can pose significant flooding risks and impact military readiness. As the frequency and intensity of storm events continue to increase, the need for effective disaster preparedness and targeted responses has become paramount.

Accurately analyzing risks to determine the anticipated flooding locations, depths, and durations, in advance of a threat, can be critical for base operations. Real-Time Flood Forecasting™ is an essential tool in mitigating flooding impacts, providing critical time prior to the event and with spatial specificity to assist installation leadership in making informed decisions.

These innovative types of early flood warning systems can also help reduce post-storm recovery times, all of which are critical to warfighter readiness.

This includes messaging systems to notify base personnel and the surrounding public, protection of critical assets, informed operation of control structures, and strategic allocation of resources before and after these flood threats.

By integrating hydrologic and hydraulic modeling with real-time data inputs, these systems can forecast flood conditions with increasing accuracy and relevance at the street and structure level.

This presentation will demonstrate the development and application of early flood warning tools for multiple community-level case studies and how these tools can be leveraged for military readiness and become important tools for installations of the future.



Mr. Warren McKinnie, PE, CFM, GISP, has over 23 years of experience specializing in watershed modeling and flood risk management. As Director of Water Resources at Streamline Technologies, Warren leads the firm's innovations in advanced flood forecasting systems.



For over 30 years **Mr. Kent Boulicault, PE**, has been analyzing flood risks and developing flood mitigation strategies at the local, state and federal levels. He leads Halff's work at multiple military installations and he understands the challenges that extreme storm events can pose.

Moderator: **Mike Pampalone, PE, PMP** | Alpha Corporation
Chief Growth Officer

Design and Maintenance for Corrosion Protection

Cortney Chalifoux, PhD, PE, PCS | Pond & Company
Program Director | Coatings and Mechanical Integrity, PhD, PE, PCS

Consistent, well-developed design, sustainment, and maintenance of infrastructure and utilities can extend the service life of critical systems while avoiding costly environmental impacts. Coating and cathodic protection systems form an essential piece of these systems. This presentation provides an overview of the basic elements involved in coating and CP systems design and inspections. The discussion will focus on the inspection and repair strategies for existing coatings on steel substrates, and the addition of CP systems to reduce the rate of corrosion. Furthermore, we will discuss how regular inspections and surveys, collectively referred to as Coating Condition Surveys (CCS), form a critical element of an effective sustainment program and provide invaluable information about the condition of existing coatings that can be used to inform effective maintenance strategies. The offered plans and strategies can be applied to enhance sustainment of infrastructure and utilities across all industries.

Learning Outcomes

1. Participants will learn what basic elements are involved in the design of coating and CP systems for corrosion protection.
2. Participants will gain an understanding of what assessments are made during a coating condition inspection and how this data will inform future sustainment and maintenance strategies.
3. Participants will learn how to prioritize sustainment and maintenance strategies to extend the life of the infrastructure and utilities in the environment that they function in allowing them to present the most cost-effective solutions to the government.



Dr. Cortney Chalifoux, PhD, PE, PCS, is a Professional Engineer (PE) and Protective Coating Specialist (PCS) with a PhD from the University of Virginia, where she studied stress corrosion cracking of the aluminum decking on Navy littoral combat ship (LCS). She began her career investigating corrosion and coating failures before joining Pond, where she leads the coatings and asset integrity team. She supports government clients by managing inspectors and NDT technicians, implementing quality systems, and ensuring the reliability of critical infrastructure through coating and maintenance strategies.

Moderator: **Laura Barrett, PMP** | Tetra Tech, Inc.
Operations Manager & Sr. Project Manager

Mechanochemical Destruction of PFAS in AFFF and AFFF-Impacted Soils

Hunter Anderson, PhD | Environmental Decontamination (NZ) Limited

Chief Strategy Officer and U.S. lead

Ball milling, also known as mechanochemical destruction (MCD), is a novel treatment method that can destroy per- and polyfluoroalkyl substances (PFAS) and other recalcitrant organics by exploiting the mechanical energy induced by high velocity ball-to-ball and ball-to-surface collisions within reaction vessels. Benchtop experiments have successfully demonstrated the efficacy of MCD to destroy a plethora of PFAS across a range of substrates and environmental media. Pilot studies are currently underway, focused on validating the MCD treatment of PFAS-impacted soils.

Using Environmental Decontamination (NZ) Limited's larger-scale MCD reactor, an on-going ESTCP-funded pilot study will demonstrate the feasibility of MCD as a scalable solution for PFAS-impacted soils at requisite throughput rates. Successful outcomes include achieving set remediation goals in soil for semi-continuous flow pilot trials (20 up to 200 kg) followed by continuous flow pilot trials (approximately 1,000 kg treated at 500 kg to 2,000 kg per hour processing flowrate). In all trials, the effectiveness of the MCD technique will be determined by analyzing the impacted media before and after treatment, employing a targeted and non-targeted analytical approach. Potential air emissions from the reactors will also be evaluated.

This presentation will provide an overview of MCD as a technological solution for contaminated soils, describing the state of the science, and highlighting key features of the ESTCP-funded pilot study with specific emphasis on future application potential.



Dr. Hunter Anderson, PhD, recently joined Environmental Decontamination Limited (EDL) as Chief Strategy Officer and U.S. lead after a 15-year career with AFCEC where he supported the DoD's Strategic Research and Development and Environmental Security Technology Certification Programs (SERDP/ESTCP). Dr. Anderson's role with EDL is to support further research and optimization of the mechanochemical destruction (MCD) process and facilitate EDL's incorporation into the U.S. market. Dr. Anderson has a PhD in Soil Science from The Ohio State University and a BS and MS in Environmental Science from Oklahoma State University.

Moderator: **Philip Elson** | The Blackledge Group, Inc.
Senior Program Manager

Leveraging Artificial Intelligence for Enhanced Construction Management at NAVFAC SE

Alan Hall | ASR International Corporation

Regional Program Manager

In an era of fiscal constraints and mission imperatives, NAVFAC Southeast (NAVFAC SE) must optimize construction management to deliver warfighter-supporting infrastructure efficiently. This paper advances a 'More with Less' framework by integrating current DoD approved AI applications, such as the Department of the Air Force's NIPRGT, and exploring future tools like Microsoft 365 Copilot and Azure OpenAI. These technologies minimize the number or complexity of critical tasks required for installing components or systems that are considered 'Work-In-Place' (WIP). At the same time, these technologies ensure that the quality of the work remains high and that construction contractors maintain a standard level of control over the process.

By automating no-value-adding processes and eliminating bureaucratic overhead, AI enables focused execution on core activities. The framework incorporates AI for design and planning support, documentation, and workflow improvements, addressing reluctance among Construction Managers (CMs), Engineering Technicians (ETs), and Construction Service Contractors (CSCs) through targeted training. Drawing from recent DoD AI initiatives, this approach enhances agility, reduces timelines, and aligns with warfighter's needs. While AI offers substantial advantages, it's crucial for NAVFAC SE to ensure data security and privacy, address potential biases in AI algorithms, and prioritize human oversight and collaboration with AI systems.



Mr. Alan Hall is a seasoned Construction Manager with 35+ years of experience in construction and project management, both CONUS and OCONUS. In addition to being a Registered Environmental Manager, he specializes in project planning, construction management, cost estimating, and value engineering. Alan excels in overseeing construction projects, ensuring compliance with regulations, and managing budgets and schedules. With a strong background working with the NAVFAC, US Army Corps of Engineers, Department of Defense, and the National Park Service. He brings expertise in project management, quality assurance/control, safety standards, and contract management as well as proficiency in a variety of project management tools including leveraging AI applications in construction management. Mr. Hall serves as ASR International Corporation's Regional Program Manager for the Construction Management Division based in the Pensacola, FL office. ASR is a Technical Services Company with corporate headquarters in Hauppauge, NY.

Moderator: **Sean Lahav, MPA, WEDG** | Halff Associates, Inc.

Associate Vice President

How to Truncate the Life Cycle of Emergency & Disaster Preparedness, Response & Recovery

Joseph Williams, PE | Michael Baker International

Federal Program Manager

Carlos Castillo | Tidal Basin Group

DHS/FEMA Market Lead

Angela Nocera, PE, F.SAME | Michael Baker International

Vice President, National Market Lead - Army

This panel will solicit industry input on how to better prepare for disasters and truncate the timeline for response and recovery. Panelists will present an overview of the life-cycle of emergency and disaster preparedness, response, and recovery with brief overviews of common lessons-learned from recent projects.

The Discussion Panel will address:

1. Disaster Preparedness: Tidal Basin and Michael Baker will discuss assessments, planning, and training exercises used to prepare for disasters.
2. Disaster Response: Tidal Basin will discuss post-disaster assessments, community engagement; outreach, on-site clean-up, temporary shelter, and logistics.
3. Disaster Recovery: Michael Baker and GMHill will discuss design & engineering, construction, and after action reporting.
4. Project examples include but are not limited to response and recovery to hurricane damage at Tyndall AFB and MCB Camp Lejeune, earthquakes at NAWS China Lake, and wildfires in Maui.

Example Questions for Audience Discussion

- What challenges do we see in the preparedness phase that could be overcome with design or construction solutions in the recovery phase? For example, could digital twin or robust LiDAR data lead to better preparedness planning?
- Are common design/construction failures identified in the response and recovery phase being accurately addressed in UFCs and building codes?



Mr. Joseph Williams, PE, 24+ years of experience as a senior civil engineer, project manager, and department manager. Provides design expertise and leadership for projects related to disaster recovery. Worked at NAVFAC SE for 10+ years prior to joining Michael Baker. Served on the NAVFAC SE Disaster Assessment Team at NSA Panama City following Hurricane Michael.



Mr. Carlos Castillo, 40+ years of leadership experience in emergency and disaster management across county, national, federal, and international levels, as well as non-profit organizations. Retired from Miami-Dade County, FL after 26 years of service as Emergency Management Director and Assistant Fire Chief, having managed major disasters including wildfires, airplane crashes, and over a dozen hurricanes. Served as FEMA Assistant Administrator for Recovery and Deputy Administrator for Resilience.



Ms. Angela Nocera, PE, F.SAME, is a professional engineer with a career dedicated to providing Civil and Environmental Engineering consulting services to government agencies. She has conducted and managed evaluations, designs, and construction support for military facilities, flood control systems, roadways, and airfields under both traditional and rapid-response contracts. Ms. Nocera is currently Vice President and Army National Market Lead for Michael Baker International, Inc., a leading provider of engineering and consulting services. In her role, she drives strategic and technical approaches to grow Michael Baker service offerings to the Army. Ms. Nocera is a Fellow in the

Society of American Military Engineers where she dedicates her spare time to building our nation's STEM pipeline. She is Director of Discovery Crew, a local STEM outreach program that provides STEM workshops to middle-school students and STEM resources and career planning tools to their parents and guardians. Ms. Nocera resides in Mobile, AL with her 10-year-old son and 12-year-old Shiba Inu.

ADDRESSING PFAS CHALLENGERS TODAY: DATA ACQUISITION, DISPOSAL OPTIONS AND OUTREACH COMMUNICATIONS PANEL:

Moderator: **Doug Harper, PE** | Gilbane Building Company
Director of Business Development, Federal Facilities US

Agile PFAS Data Acquisition, Processing and Delivery for Rookies and SMEs

Dora Chiang, PhD, PE | Jacobs Engineering

Global principal for PFAS and Emerging Contaminants

Addressing PFAS releases is a critical need impacted by evolving regulations, policies and public scrutiny. Tools and technologies that detect, investigate, manage and treat PFAS also evolve quickly. PFAS chemistry is complex and PFAS sources often result in complex mixtures of PFAS compounds, including parent compounds, transformation products, and precursors, making it difficult to link contamination to specific activities or origins. This can leave decision makers wondering how much data acquisition and interpretation is considered enough. This presentation will use multiple DoD project case studies ranging from source differentiation to removal actions to demonstrate how PFluorencisSM, a cutting-edge PFAS data evaluation toolset, can effectively evaluate and concisely communicate PFAS data to support effective site management decision making. This tool features data visualization capabilities that simplify the analysis of complex datasets, an up-to-date repository of literature-based biotransformation pathways, and robust source differentiation functionalities, which rely on data clustering techniques.

Innovative Outreach Approaches to Address Potential PFAS Impacts to Drinking Water

Juliana Dean, PE | Jacobs Engineering

Professional Engineer, Virginia

As PFAS regulations and DoD policy continue to evolve, communications are becoming more complex, requiring an agile approach to support effective outreach and reinforce trust with nearby communities. Additionally, there have been technological advancements and novel approaches have been used to reach large and diverse communities in a timely manner. This presentation will focus on the following: overview of current regulations, DoD policy, and on-going activities to address drinking water near installations; developing and delivering communication related to PFAS, including outreach approaches that integrate novel (immersive) digital engagement tools, a summary of available treatment technologies. NAVFAC Southeast's Remedial Project Manager will also share an updated case study of a complex and successful outreach effort conducted by the Navy. The case study is an on-going PFAS drinking water investigation conducted off-base concurrently near NAS Whiting Field and 11 of its outlying landing fields since Fall 2020. This investigation included a broad geography across two states and outreach during the pandemic limiting the ability for in-person community meetings. During the investigation draft regulations were released making the communication more complex. The Navy is currently implementing time critical removal actions at impacted properties.



Dr. Dora Chiang, PhD, PE, is Global Principal for PFAS and emerging contaminants at Jacobs. She has over 25 years of environmental consulting experience. Since 2012 she has investigated PFAS and other emerging contaminants, developed and demonstrated innovative solutions for project data acquisition and delivery for PFAS project management and mitigation. She is invited speaker, author of peer-reviewed journal articles, book chapters and principal investigator (PI) of US DoD R&D projects.



Ms. Juliana Dean, PE, is a Project Manager & Jacobs Navy PFAS Drinking Water Lead. She is an environmental engineer/PFAS SME with 13 years experience with the Navy IRP. She has supported outreach & drinking water sampling at more than 20 installations. She supported the completion of PFAS PA/SIs at 10 installations in FY23 to meet Congressional deadlines. She is currently conducting PFAS-related investigations and removal actions for PFAS impacted media, as well as evaluating potential drinking water impacts.

Moderator: **Panneer Shanmugam, PE, F.ASCE** | RADISE International
President

Indian Lake Dam Rehabilitation - Strengthening for Post-Tension Anchoring Aged Concrete and Stone Masonry

Greg Johnson, PE, PMP | Colliers Engineering and Design a partner of the KHB JV
Professional Engineer, Water Discipline Lead

Indian Lake Dam is a high hazard structure originally built in 1898 located in the Adirondack Mountains of NY. The gravity dam structure has a cyclopean mass concrete core within a stone masonry exterior surface.

Major challenges included existing leakage through the dam that complicated consolidation grouting for leakage control and installation of post-tensioned anchors for stability. Interior conditions of the dam concrete varied widely in integrity with extensive amounts of grout take, grout washout due to leakage, and wider-than-anticipated grout migration. Due to schedule, original head pond restrictions were exceeded requiring additional analysis to confirm safe conditions.

The rehabilitation also included a combination secant pile/soldier pile wall tied back with cased anchors to address strengthening and existing masonry wing wall due to an adjacent embankment raise while simultaneously guarding against seepage and piping below the wall. Rehabilitation of the existing masonry gatehouse required an innovative design using precast concrete panels as underwater forms coupled with reinforced tremie concrete placed under 20-30 ft of head to reinforce the structure to allow dewatering.



Mr. Greg Johnson, PE, PMP, is a professional engineer and leads the Water discipline at Colliers Engineering & Design. He has more than 30 years of experience in lock and dam, flood control, and waterway projects. Greg holds a Bachelor of Science in Civil Engineering and a Master of Science in Structural Engineering from Cornell University. He has been with Colliers since 2001.

Moderator: **Susan Thames, F. SAME** | Miller-Remick
Director, Federal Market Lead

A Roadmap and Innovative Solutions to Achieve Installation Mission Assurance

Raul Herrera, PE, MS GEM, LEED AP | Black & Veatch
Federal Energy Security Director

Energy resiliency is paramount for maintaining mission continuity, operational flexibility, and infrastructure stability, particularly within military and critical infrastructure contexts. This abstract outlines a systematic approach to developing and implementing an executable roadmap for energy resiliency projects. The roadmap emphasizes the integration of distributed energy resources (DERs), microgrids, renewable energy solutions, and compatibility of advanced controls to enhance system reliability, sustainability, and adaptability. It also addresses the critical need for cybersecurity within industrial control systems.

The framework aligns energy strategies with mission objectives and evolving government policies, while also addressing funding mechanisms. Key elements include stakeholder collaboration, the use of modeling and simulation tools, and the development of scalable plans that can be refined through lessons learned. This approach ensures informed decision-making and maximizes return on investment. The roadmap provides actionable guidance for project development, deployment, and long-term management, ensuring facilities remain operational even under adverse conditions. This holistic approach establishes a replicable framework for future energy security initiatives, contributing to national defense objectives.

This session provides a roadmap for implementing robust energy security solutions, integrating DERs, microgrids, renewables, and advanced controls. Learn to align energy strategies with mission objectives, navigate funding, and create scalable plans ensuring operational continuity and maximizing investment returns.



Mr. Raul Herrera, PE, MS GEM, LEED AP, is the Federal Energy Security Director at Black & Veatch with more than 25 years of experience in consulting, project and program management, operations, strategic planning, facility assessments, and design build and design bid build projects. He is a licensed professional engineer and holds a Bachelor's from Georgia Tech in Electrical Engineering, and a Master's in Global Energy Management from the University of Colorado, Denver. He is an expert in the design of microgrids and renewables, energy and water resiliency, infrastructure, and sustainability projects. He has worked in the federal, state, military, mission critical, municipal, industrial, commercial, manufacturing, private, and institutional sectors. Additionally, he has expertise in electrical power distribution, energy analysis and systems, facilities infrastructure design and expansion, oil gas, chemical facilities, fueling, energy, and sustainability.

Moderator: **David Rose, Lt. Col, USAF** | Rose Consulting Law Firm
Attorney at Law

Better, Faster, Cheaper Civil Works? A Section 203 A Case Study Sharing Real World Pros and Cons

Clayton Henderson, MBA | TGS and CPNID
Director of Port Development

Lena DeSantis | Anchor QEA
Principal Planner

The Cedar Port Navigation and Improvement District (CPNID) prepared a feasibility study to develop a new deep-draft federal navigation channel to connect the Houston Ship Channel (HSC) to a new terminal planned for the Cedar Port Industrial Park in Baytown, Texas to enhance efficient, safe, and reliable transportation of goods and products into the Houston region.

The study was conducted under the authority of Section 216 of the Flood Control Act of 1970 and CPNID is serving as the non-Federal Sponsor (NFS). Section 203 of the Water Resources Development Act (WRDA) 1986 authorizes non-federal interests to complete and submit to the Secretary of the Army for action authorized water resource development feasibility studies at their own expense.

The study was recently completed and is under review with the Assistant Secretary of the Army for Civil Works (ASACW), acting on behalf of the Secretary of the Army. The Recommended Plan will create a 3.72-mile long, 50-foot deep channel, resulting in approximately 20 million cubic yards of dredge material. Sediment management will include ocean disposal, fill material for the future terminal and beneficial use through creation of placement areas incorporating nature-based approaches to shoreline stability and the establishment of native habitats.

This presentation will review our experience working under Section 203, highlighting what has worked well and where improvements and policy communications could be improved.



Mr. Clayton Henderson, MBA, is the Director of Port Development at TGS and CPNID. Mr. Henderson leads the Port's corporate and government relations programs ensuring business and operational continuity with legislative and regulatory agencies on a local, state, and federal levels.



Ms. Lena DeSantis is a Principal Environmental Planner with 24 years of experience in applied environmental science and policy, with a focus on ports, waterfront development, and habitat restoration. Lena has extensive experience managing National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) documents, including for the Ports of Los Angeles, Baltimore, and Stockton. She recently managed the Cedar Port Navigation District Channel Deepening Project Integrated Feasibility Study and Environmental Impact Statement (FS/EIS) under WRDA Section 203. Prior to joining Anchor QEA, Lena worked at the Port Authority of New York and New Jersey, where she managed the Port Authority's sustainability program, and at the Port of Los Angeles, where she led the CEQA/NEPA program, overseeing 15 major development projects.

Moderator: **Terry Hull, PE** | AECOM-Black & Veatch JV
Southeast Coastal Lead

USACE Caribbean Caño Martín Peña Ecosystem Restoration: “Landscape Adaptations to achieve Restoration Outcomes”

Meredith Allen, JD | AECOM-Black & Veatch JV
Environmental Planner and USACE Regulatory Technical Lead

The new USACE Caribbean District, working with diverse stakeholders including ENLACE (a public corporation established by the Commonwealth of Puerto Rico to represent the local communities), the Department of Natural and Environmental Resources, and several other organizations, developed this unique project to restore San Juan's Cano Martin Pena. The Project re-establishes the tidal connection between San Juan Bay and San Jose Lagoon to improve water quality while revitalizing distressed communities and reducing flood risk.

Project features include planting 34 acres of mangroves along the canal, and constructing 21 passive parks integrated into the mangroves to facilitate community education opportunities.

The feasibility study and Environmental Impact Statement proposed mangrove planting grading to account for sea level rise (SLR). The grade ranged from current Mean Lower Low Water to Mean Higher High Water with 50 years of SLR. This design would not support mangrove growth in the upper zone today. Thus, the project team redesigned the grading plan to allow tidal flooding and drying today and using steeper transition elevations in areas with higher existing grade to maximize the planting bed area while ensuring adaptation over time with stable mangrove transitions to upland areas to meet long-term project restoration objectives.



Ms. Meredith Allen, JD, is Senior Environmental Planner and USACE Regulatory Technical Lead for AECOM. She has more than 16 years experience evaluating impacts and compensatory mitigation projects in navigable waters, particularly in the southeastern United States.

Moderator: **Michael Jarosz, PE** | Dewberry

Associate Vice President, Executive Client Manager, Navy

Alternative Construction Methods: From Concept to Reality

CDR Sam Yu | NAVFAC Southeast

Continuous innovation is the engine that enables us to construct new facilities more quickly, efficiently, and economically than was possible in the past. Given the current environment, there is an urgent demand for new facilities which can be constructed quickly and economically, and **Alternate Construction Methods (ACM)** are being leveraged as a means to accomplish these goals.

This session will discuss the characteristics of various ACM including modular construction, offsite prefabricated building components, tension fabric structures, pre-engineered metal buildings, and others and will provide insight into which type of facilities the various ACM methodologies are most efficient and applicable for.

The advantages and disadvantages of the various ACM and how they vary from traditional construction methodologies with respect to speed and quality of the construction will also be presented. Past project examples will be provided demonstrating how various ACM have successfully enable projects to be completed with enhanced speed and/or affordability.



CDR Sam Yu / NAVFAC SE

STREAMLINING CMMC 2.0 & FRCS COMPLIANCE PANEL:

Moderator: **Doug Defazio** | Bluestone Environmental Group, Inc.

Vice President

Software Solutions for Small DoD Contractors

Josh Hammer | H&V Facility Solutions Inc.

Vice President

H&V Facility Solutions, Inc., a Woman-Owned Small Business, introduces an innovative, software platform to revolutionize Cybersecurity Maturity Model Certification (CMMC 2.0) and Facility-Related Control Systems (FRCS) compliance for small to medium-sized DoD contractors. Our solution leverages advanced automation to streamline compliance processes, significantly reducing costs and risks while ensuring adherence to UFGS 25 05 11 and NIST 800-171 standards. Tailored for contractors without dedicated cybersecurity teams, the platform automates gap assessments, system security plan development, policy mapping, and evidence collection, enabling efficient preparation for CMMC Level 2 self-assessments and C3PAO audits. Integrated training modules and continuous monitoring tools ensure sustained compliance, while our fractional expert support provides tailored guidance for FRCS hardening, including SCADA and HVAC controls. By minimizing manual effort and compliance sprawl, our solution empowers small contractors to compete for DoD contracts with confidence. This session will demonstrate how H&V's platform delivers cost-effective, scalable compliance, showcasing a case study of a DoD contractor achieving audit readiness, and offering practical insights for implementing automated solutions to meet evolving DoD cybersecurity mandates.

Mastering Cyber Resilience for Critical Operations

Chris Biegun, PMP, ITLv3, CMMI-A, CMMC-CCP | Black & Veatch

Associate Vice President

Data breaches and cyber sabotage can wreak havoc not only compromising federal and corporate data but also putting executives and security leaders under intense scrutiny as they face mounting accountability for the fallout. Staying ahead of cyber threats is no longer optional. Ensuring your organizations cybersecurity practices and operational resilience are robust is critical to managing risk, maintaining stability during routine operations, and navigating crises effectively. The ability to anticipate, adapt, withstand, and recover from cyber incidents, adverse conditions, and compromises is vital. Cyber resilience ensures that mission-critical business objectives reliant on cyber resources can be achieved even in contested environments. A proactive approach to cybersecurity isn't just about defense, it's about enabling sustained operations and protecting your organization's most essential services. This session, led by certified cyber experts, will guide you through the CISA Cybersecurity Resilience Review (CRR), a powerful assessment tool designed to enhance your organization's cyber resilience maturity across Information Technology (IT) and Operational Technology (OT) systems. These experts, certified in CRR by Homeland Security and in Cybersecurity Maturity Model Certification (CMMC) by the Cyber AB, will share actionable insights, including how to: Scope critical services: Identifying systems and services essential to your mission. Conduct assessments: Use the CRR tool to evaluate and strengthen your cybersecurity posture across ten critical domains. Facilitate debriefs and reporting: Deliver comprehensive reports and recommendations to improve resilience and ensure continuity. While IT and OT systems share many similarities, the protection of Critical Infrastructure demands a distinct approach. Policies and procedures tailored for IT often require adaptation to meet the specific needs of OT control systems. A comprehensive OT infrastructure assessment reveals vulnerabilities and identifies attack vectors exploited by both cybercriminals and Advanced Persistent Threats (APTs).



Mr. Josh Hammer is Vice President at H&V Facility Solutions, Inc., a Woman-Owned Small Business founded in 2022, bridges mechanical construction and cybersecurity expertise for DoD contractors. Since 2016, he has worked in mechanical construction, leveraging HVAC and building automation knowledge to harden FRCS per UFGS 25 05 11 and achieve CMMC 2.0 compliance. With a chemical engineering degree from USF, Josh drives software-driven solutions, automating gap assessments and policy mapping for small contractors.



Mr. Chris Biegun, PMP, ITLv3, CMMI-A, CMMC-CCP, Chris Biegun leads Black & Veatch's Federal Integrated Services business line including IT/Cyber Security. He is an experienced Senior Program Manager/System Engineer serving as Customer Executive and Principal Program Manager responsible for mission execution, leading highly diverse teams of international professionals, delivering highly challenging projects and fielding cutting edge technologies. Prior to joining Black & Veatch, he served as the chief of network engineering supporting the National Reconnaissance Office, ensuring critical development, deployment and operations & maintenance for all transport, core and edge requirements. A retired Air Force Lieutenant Colonel, and former Civil Service Senior, Chris held assignments ranging from Director, Military Readiness at the National Geospatial Intelligence Agency, to Chief of New Country Engagement at the Defense Threat Reduction Agency.

Moderator: **Patrick Dugan, PE, PMP** | DLR Group
Federal Client Leader-Military, Principal

Pros and Cons of Joint Ventures and Teaming

David Rose, Lt. Col, USAF, Retired | Rose Consulting Law Firm

Attorney at Law

Our firm has advised on and drafted hundreds of JV and TA agreements for over 500 contractors in the Government contracts space. In that time (20 years) we have become quite familiar with the advantages (and disadvantages) that can accompany a partnering arrangement. This presentation seeks to make the attendee aware of those advantages and disadvantages in a structured manner (see what happens when an engineer gets law degree) that allows the attendee to be able to, at least from a mining of new business perspective, enough knowledge to avoid serious pitfalls and handle a great deal of the approach to partnering prior to engaging the services of a Government Contracts attorney. The material presented allows for an initial “Go/No Go” decision on pursuing a partnership with another firm.

The presentation also provides the fundamental requirements (threshold) of whether or not your firm and another will qualify to partner within the framework of SBA and FAR regulations.

The regulatory framework in this area is fraught with potential mine fields so having this knowledge will allow the user to make rational business development and operational decisions on partnering. While not a comprehensive presentation of all the rules, it provides the essential elements necessary to contemplate prior to the time and expense of agreements and registrations.



Mr. David Rose, Lt. Col, USAF, has 35 years of experience in government contracting. He has experience as both a Government contracts attorney in the military and in industry. He is a Retired Lt Col with Air Force Specialty Codes (AFSCs) in both Contracts Law and Civil Engineering and Head of Contracts Law for AFRC at retirement and Head of Contracts Law at AFCAC prior to release from active duty. David has degrees in both law (3 law degrees) and Engineering/Mathematics. He is a Member of the Armed Services Board of Contracts Appeals, Civilian Board of Contracts Appeals, Court of Federal Claims, numerous Federal District Courts, and the U.S. Supreme Court.

Moderator: **Thomas L. Chapman, PE, CPM, CHC** | Guidon
Principal, Vice-President

Advancing Resilience in Vertical Facilities: Permanently Solving Water Intrusion Through Innovation and Public-Private Partnership

Marco Sousa | CL Wizard, LLC

Civil, Structural, and Highway Engineer

Persistent water intrusion remains a critical challenge across both civil works infrastructure and vertical facilities. It undermines structural integrity, increases maintenance costs, creates health and safety risks, causes environmental impacts, and disrupts operations.

This session introduces a resilient, long-term, and non-invasive solution: pressurized polyvinyl technology. It mimics the viscosity of water, allowing it to penetrate deep into concrete microcracks, and chemically reacts with moisture to form a durable, flexible rubber-like seal that withstands structural movement without cracking, detaching or degradation. Unlike conventional epoxy or polyurethane methods, this solution addresses water ingress and provides long-term results with minimal disruption in both wet and dry conditions.

Proven since 2017 in U.S. applications and adopted as the method of choice in major Australian public infrastructure projects, including Sydney Metro and the Department of Transport, this innovative technology demonstrates resilience, cost efficiency, and environmental benefits. Case studies will highlight measurable improvements in structural reliability, building integrity, operational continuity, and cost savings.

Attendees will gain insight into the value of water intrusion repair not as a temporary fix but as a strategic investment that mitigates risk, extends asset lifecycles, and prevents costly failures of critical structures.



Mr. Marco Sousa is a civil, structural, and highway engineer with 20+ years of experience in large-scale infrastructure projects, including bridges, tunnels, dams, and highways. Raised in a family of engineers in Brazil, he worked on government-industry projects valued at over R\$1.5 billion. A lifelong passion for automobiles led him to develop a proprietary pressurized polyvinyl technology that permanently stops water intrusion in concrete.

Moderator: **Gerald Morris, CDT, LEED AP BD&C, PMP, CCM, F.SAME** | Michael Baker International
Associate Vice-President, National Market Lead – Civilian Agencies

FRPs Steal the Day In Civil Works Infrastructure

Craig Morin, PE | Jacobs

National Practice Director of Federal Civil Works

Lee Canning, PhD | Jacobs

Senior Associate Director

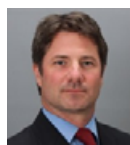
Liesbeth Tromp | Haskoning

Lead Engineer & FRP Technical Specialist

Eric Johnson, PE, SE, CCT-VIP | USACE Inland
Navigation Design Center

Composites Technical Expert

The implementation of Fiber Reinforced Polymer (FRP) technologies in American infrastructure has historically been slow to emerge as a viable material of choice with clear design guidelines and long-term cost benefits. As our nation's infrastructure continues to age, and maintenance costs are on the rise, an alternative solution to traditional steel and concrete elements is needed. Steel corrosion and concrete degradation creates maintenance and operational issues at our nation's locks and dams and other civil works infrastructure. By contrast, FRPs have been utilized in Europe for decades and are widely common in the transportation sector as a means to reduce maintenance cost and extend the service life of these structures. In Civil Works applications, FRPs are now stealing the innovation spotlight. The focus of this presentation is to highlight several FRP projects from Europe and describe the structural details, construction challenges, and lessons learned from these examples, and how we can leverage this test market for future civil works projects in the U.S. Additionally, our presentation will cover fabrication and manufacturing considerations, design codes and responsibilities, technical specifications, procurement, and construction challenges. The presentation will close with specific civil works applications pertinent to locks and dams in the U.S. for consideration as cost-effective solutions to our aging infrastructure.



Mr. Craig Morin, PE, is the National Practice Director of Federal Civil Works at Jacobs with over 28 years of experience as a structural-marine engineer in the design, analysis, inspection, and rehabilitation of federal and private waterfront structures. His focus is on the development of resiliency solutions for coastal communities and inland regions where sustainable civil works infrastructure and other measures are essential to protecting our country's waterfront assets. Craig's experience with FRPs includes the evaluation and testing of FRP carbon fiber reinforced plastic laminated sheets to strengthen concrete beams as part of his master's degree thesis at M.I.T., and he participated in the ASTM D20 Committee for Plastics early in his career to identify marine applications using FRP technologies.



Ms. Liesbeth Tromp is a lead engineer and FRP Technical Specialist at Haskoning with over 28 years of FRP design experience and innovation. Liesbeth participated in development of the Eurocode FRP Standards as an expert member of the Netherlands Workgroup 4 CEN/TC250 Prospect for New Guidance in Design of FRP for load bearing structures. She was a member of PIANC WG191; coauthoring InCom WG191-2020 FRP for Hydraulic Structures. She has performed numerous FRP-engineering projects for bridges and locks, as well as feasibility studies, concept development, and research projects and has been involved in more than 50 civil infrastructure projects in the Netherlands and throughout Europe as lead engineer or FRP Technical Specialist including the largest FRP miter gates in the world at Wilhelminakanaal for the Rijkswaterstaat Ministry of Infrastructure. Liesbeth teaches the ProfEd course FRP Composites in Structural Engineering as a guest lecturer at Delft University of Technology.



Mr. Lee Canning, PhD, is a senior associate director at Jacobs with over 25 years of extensive expertise in structural engineering and a career-long focus on FRP composites, asset management, advanced analysis & design, structural load testing and monitoring, and research & development. Lee has overseen the development of the Composites UK Construction Sector working group and BSI mirror group as a technical reviewer for the FRP pre-Eurocode. He is credited with over 100 publications in international journals, conferences, and co-authored books since his Doctorate thesis on FRPs in 2001. Lee also advised on the use of FRP composites for new designs, rehabilitations, and strengthening projects, as well as structural testing and monitoring techniques.



Mr. Eric Johnson, PE, SE, CCT-VIP, is the Composites Technical Expert for the US Army Corps of Engineers Inland Navigation Design Center with over 23 years as a structural engineer with a focus on composites and civil works infrastructure. Eric's focus is in coordinating, supporting, and leading design teams, both nationally and internationally, in the areas of lock miter gate design and composite hydraulic structures, and was recognized a few years ago by the Corps when awarded the USACE Structural Engineer of the Year. He has been directly responsible for the design of more than 30 miter gates on the Upper Mississippi River, Hudson River, and Lake Washington Ship Canal.

Moderator: **Angie Martinez, PE** | Martinez Construction
Vice President, SPACE Project Director

Project Labor Agreements: Navigating Opportunities and Challenges in Federal Construction

Aaron Glover | The Whiting-Turner Contracting Company
Division Vice President

Joseph (Joe) Angell II, PE F.SAME | Wiley Wilson
Commander, Civil Engineer Corps, US Navy (Retired)

Rick Maranville | BIC
Vice President of Construction, Project Executive

Project Labor Agreements (PLAs) continue to be a significant policy tool in federal construction contracting. Understanding their legal, operational, and financial impacts is essential for both federal agencies and contractors. This session will explore the practical implications of PLAs on project delivery, workforce availability, cost, and schedule performance & particularly in regions with varying union labor densities. Presenters will address the challenges federal contracting officers face in determining when and how PLAs should be implemented, and provide insight into industry concerns about competitiveness, small business participation, and subcontractor inclusion. Request assistance in locating a suitable industry representative to co-present on this subject.



Mr. Aaron Glover, Division Vice President, is responsible for the overall design and construction operations for all federal procurement for Whiting-Turner. He provides corporate support for the Whiting-Turner Federal Division. Mr. Glover has over 35 years of construction experience and has managed approximately \$6 Billion of design and construction for the Federal Government. He has a degree in Mechanical Engineering from The Pennsylvania State University and has been a construction manager with The Whiting-Turner Contracting Company for over 30 years.



Mr. Joseph (Joe) Angell II, PE F.SAME, serves as Vice President of Federal Programs at Wiley Wilson. Since 2019, Joe has helped Wiley Wilson to develop teaming relationships, pursuits and conversations to advance delivery of designs of facilities and infrastructure to our federal partners. Joe completed 20 years of service as a Civil Engineer Corps Officer primarily responsible for the administration of federal contracts across the country and around the world. Since his retirement from the Navy, Joe has focused on the delivery of federal designs, construction and working diligently with federal partners to reduce the friction between Industry and Government in the delivery of these products. Joe has worked with federal committees at industry and government organizations such as ACEC, AGC, DBIA, SAME and the North Carolina Military Business Center to advocate for improvements in the federal acquisition process that reduces the burden and risks on federal and industry professionals.



Mr. Maranville has over 21 plus years of progressive experience in various levels of multiple department management. He is successful at developing customer, vendor and employee relations while adhering to organizational goals. His Construction Career started upon his Honorable Discharge from the Marine Corp in 2003/ Rick has a proven track record for overcoming challenges and exceeding expectations.

Moderator: **Eric Aaby, CEM, PE** | Kimley-Horn
Regional Vice President

Success with Local Utility Coordination for Federal Projects

Pamela Little, PE, PMP, GPCP | Pond & Co.
Vice President of Federal Operations

Scott Smith, PE | Pond & Co.
Program Manager for Civilian Federal Agencies

Shannon Bailey-Partlow, PE, PMP | Tetra-Tech
Project Manager and Vice President

James Warner, PE | Tetra-Tech
Chief Engineer

Effective utility provider coordination is a critical success factor in federal infrastructure and sustainment projects, especially those involving remote sites, military bases, or aging utility infrastructure. Drawing on recent examples across federal facilities, this session examines the technical, contractual, and operational complexities that arise when federal projects intersect with privatized networks. Regardless of the provider, each new construction and renovation project must include validating utility availability. The additional challenge where private utilities will serve a facility is that each utility provider maintains its own standards and requirements. The programming, design, and construction teams must all understand the specific provider requirements that will affect a project as well as timelines required for coordination with that provider.

We will walk through best practices in each phase of the project and provide ways to mitigate challenges, especially schedule and cost risks, by examining two projects—electrical service for a Federal Bureau of Prisons project in Guaynabo, Puerto Rico, and an Army Reserve facility in Gainesville, FL.



Ms. Pamela Little, PE, PMP, GPCP, serves as Vice President of Federal Operations at Pond & Company. A licensed professional engineer in Georgia and Florida and a certified Project Management Professional, she brings over 25 years of experience leading engineering and construction projects ranging from under \$1M to \$500M+. Her expertise spans large, complex facilities across the federal sector, with a proven ability to deliver mission-critical infrastructure on schedule and within budget. Pam has also held leadership roles with SAME, serving as President of the Atlanta Post and Regional Vice President for the South Atlantic Region.



Mr. Scott Smith, PE, serves as the Program Manager for Civilian Federal Agencies at Pond & Company, where he supports clients with a focus on efficiency, client service, and long-term value. In this role, he is responsible for guiding multi-disciplinary teams and managing resources for project development that aligns with agency missions. Scott brings 20 years of experience, with a background as a civil engineer. He is also an active leader within SAME, currently serving as President of the Louisiana Post and Regional Vice President for the Gulf Coast Region.



Ms. Shannon Bailey-Partlow, PE, PMP, is a Project Manager and Vice President of Tetra Tech's Critical Building Infrastructure Unit, with an Environmental and Civil engineering background. Her expertise includes design, coordination, and management of potable and reclaimed water transmission, distribution systems, wastewater transmission and collection systems, preparation of utility master plans, and hydraulic modeling of water and wastewater systems. Shannon has project management experience with various facility improvements including mechanical and HVAC system upgrades and expansions, purified and potable distribution systems and wastewater collection systems modifications, electrical and lighting improvements, along with new facility design and renovation.



Mr. James Warner, PE, serves as Chief Engineer in Tetra Tech's Critical Building Infrastructure group with a specialized focus on Department of Defense and construction projects. Licensed in nine states, including Florida, he brings extensive expertise in design, permitting, and management of military and institutional developments across the U.S. James has played a vital role in managing complex civil engineering tasks including site development, utility infrastructure, and stormwater systems tailored to meet stringent military standards.

Moderator: **Ivy Harvey, PE** | EA Engineering, Science, and Technology, Inc., PBC
Vice President, Army Program Manager

Practical Solutions to PFAS: Scalable Site Management Strategies

Mahsa Modiri, PhD, PE | EA Engineering, Science, and Technology, Inc., PBC
International Contaminants of Emerging Concern (CECs) Expert

Michael Hertz, PG | EA Engineering, Science, and Technology, Inc., PBC
Professional Geologist and Environmental Scientist

David Steckler, PG | EA Engineering, Science, and Technology, Inc., PBC
Professional Geologist and Environmental Scientist

Summary - EA's PFAS experts will present a holistic overview of the evolving PFAS regulatory landscape and how these shifts underscore the urgent need for the implementation of scalable, sustainable, and science-based solutions to cost-effectively manage PFAS in a manner protective of both human health and the environment.

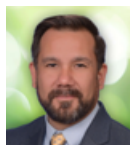
Purpose - EA will provide our perspective on the need for tailored science-based site management strategies that could include treatment technologies for media with unacceptable risk, management strategies for low threat media, and land use controls to ensure protectiveness. We will present case studies demonstrating successful PFAS source identification, drawing on EA's RI experience and forensic evaluations across complex environmental settings. These case studies will illustrate how high-resolution spatial data, forensic signatures, and targeted sampling approaches can inform strategic decision-making and reduce unnecessary treatment burdens.

Also, we will discuss a novel non-organic, non-thermal regeneration technology for PFAS-laden granular activated carbon (GAC) developed in collaboration with Ionic. This approach enables the efficient desorption of PFAS, while preserving the carbon's adsorption capacity, offering a sustainable and on-site alternative to off-site thermal reactivation or disposal.

Our presentation will include our experience with other remediation technologies including thermal desorption and the science behind 'closing the fluorine balance'.



Dr. Mahsa Modiri, PhD, PE, is an internationally recognized expert in contaminants of emerging concern (CECs), with a particular focus on per- and polyfluoroalkyl substances (PFAS) fate, remediation, and residuals management. She brings over 15 years of experience in water quality assessment, analytical chemistry, treatment optimization, and regulatory framework development. Dr. Modiri has led numerous high-impact research initiatives sponsored by the Water Research Foundation, the U.S. Environmental Protection Agency Office of Research and Development, the Strategic Environmental Research and Development Program (SERDP), the Environmental Security Technology Certification Program (ESTCP), and the Department of Defense. She is an active contributor to multi-stakeholder research efforts, including the PFAS Experts Symposium, and has authored more than 30 peer-reviewed publications in prestigious journals, covering both fundamental science and applied research. In addition, she has delivered over 30 invited and conference presentations at leading national and international scientific meetings.



A Professional Geologist, **Mr. Michael Hertz, PG**, is an environmental scientist with 27 years of experience performing and managing environmental investigations and remediation projects throughout the United States. Currently, he is a Vice President at EA Engineering, Science, and Technology, Inc., PBC serving as national program manager for the company's site characterization and remediation service line. Mr. Hertz has extensive experience in the design, construction, operation, and optimization of environmental remediation systems. On such projects, He has employed a wide range of technologies including in-situ thermal remediation (ISTR) for the destruction of organic contaminants in subsurface source zones. Mr. Hertz graduated from The Ohio State University, where he earned a bachelor's degree in Geological Sciences.



A Professional Geologist, **Mr. David Steckler, PG**, is an environmental scientist with 25 years of experience performing and managing environmental investigations at Navy bases in the NAVFAC Washington Area of Responsibility. Currently, he is the Navy Program Director at EA Engineering, Science, and Technology, Inc., PBC. Prior to joining EA, Mr. Steckler served as a Navy Remedial Project Manager, overseeing the Environmental Restoration Programs at 3 active and 3 former (BRAC) facilities. Mr. Steckler also served on the NAVFAC-wide Alternative Restoration Technology Team and the Emerging Contaminant and Risk Assessment Workgroups. He is recognized as a subject matter expert in the fields of PFAS site management, contaminant fate and transport, and physical hydrogeology. Mr. Steckler has degrees from Buffalo State University, The George Washington University, and The United States Naval War College.



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EXHIBITOR SETUP/ TEARDOWN SCHEDULE

Time	Event
Tuesday, October 21	
3:00 p.m. - 5:00 p.m.	Exhibit Set-Up
Wednesday, October 22	
6:00 a.m. - 9:00 a.m.	Exhibit Set-Up
9:00 a.m. - 8:30 p.m.	Exhibit Hall Open
Thursday, October 23	
8:00 a.m. - 4:00 p.m.	Exhibit Hall Open
4:30 p.m.	Exhibit Hall Breakdown



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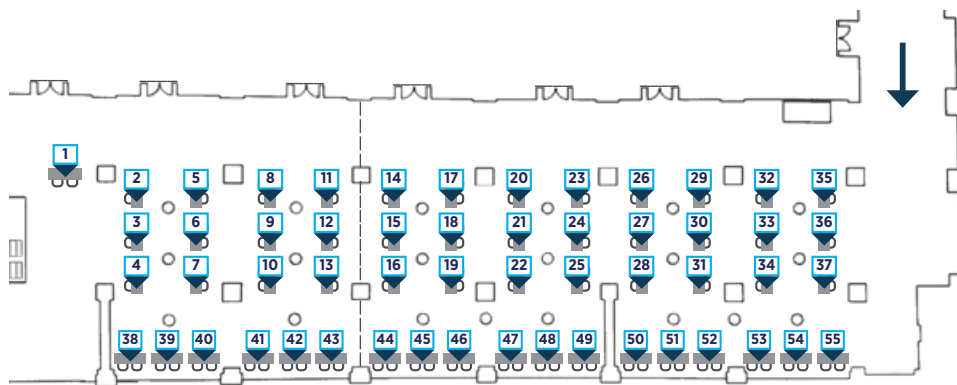
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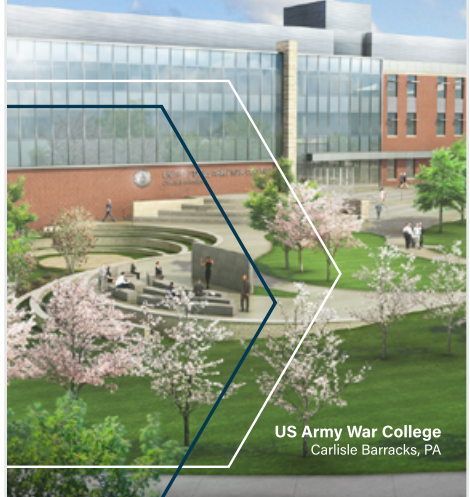
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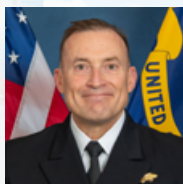
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RADM Jeffrey J. Kilian, USN

Commander, Naval Facilities Engineering Systems Command
United States Navy

Rear Admiral Jeff Kilian is a native of Spokane, Washington. Prior to joining the Navy, Kilian served four years as a Marine assigned to 1st Marine Division, I Marine Expeditionary Force. In 1994 he was commissioned via Officer Candidate School. He holds a Bachelor of Science in Civil Engineering from San Diego State University and a Master of Science in Engineering (Construction Engineering and Project Management) from the University of Texas at Austin.

Kilian's operational tours include assignments with Naval Mobile Construction Battalions 3 and 74; Construction Battalion Unit 427; and the 22nd Naval Construction Regiment. His contingency tours include deployments in support of the United Nations Transitional Authority in East Timor (U.S. Pacific Command); Expeditionary Strike Group ONE/Commander, Joint Task Force Disaster Assistance (Pakistan, South Asia); I & II Marine Expeditionary Force (Forward)/Operation Iraqi Freedom; Task Force Sierra/Operation Iraqi Freedom and Operation Enduring Freedom; and Combined Joint Task Force Horn of Africa.

His facilities and staff tours include Assistant Resident Officer in Charge of Construction at Commander Fleet Activities Yokosuka; Civil Engineer Corps Junior Officer Detailer, Navy Personnel Command; Engineer Planner, U.S. Support Group East Timor; Public Works Officer, Naval Air Station Joint Reserve Base Willow Grove; Gulf Coast Integrated Product Team Leader, Naval Facilities Engineering Systems Command (NAVFAC) Southeast; Executive Assistant to the Director of Navy Energy and Environmental Readiness Division (OPNAV N45) and Branch Head for Facilities Investments, Shore Readiness Division (OPNAV N46); Executive Officer, NAVFAC Engineering and Expeditionary Warfare Center; and Chief of Staff, NAVFAC Headquarters.

Kilian has previously commanded Naval Mobile Construction Battalion 4, the 30th Naval Construction Regiment, and NAVFAC Europe Africa Central.

His decorations include the Legion of Merit (4 awards), Bronze Star, Defense Meritorious Service Medal (2 awards), Meritorious Service Medal (4 awards), Joint Service Commendation Medal, Navy Commendation Medal (5 awards), Navy Achievement Medal, and Iraq Campaign Medal. Kilian is a registered professional engineer in the State of California, a member of the Defense Acquisition Corps, a Certified Energy Manager, and qualified as a Seabee Combat Warfare officer and Fleet Marine Force officer.

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THURSDAY KEYNOTE SPEAKER



Mr. Eric Bush (SES)

USACE Chief of Planning & Policy

U.S. Army Corps of Engineers

Eric Bush has worked for the U. S. Army Corps of Engineers since 2001. In January 2022, he was selected to the Senior Executive Service. As Chief of Planning and Policy in HQ's Civil Works Directorate, Mr. Bush is responsible for Civil Works policy and guidance, overall Planning program development and execution, and strategic leadership of the Civil Works Planning Community of Practice. He previously served as Chief of South Atlantic Division (SAD)'s Planning and Policy Division (2015-2020) where he was responsible for program-level oversight of planning, environmental, and economics work performed in five district offices supporting the Division's civil works mission in six southeastern states and two U. S. territories. Prior to coming to SAD, Bush was Chief of Jacksonville District's Planning Division 2012-2015. He also served as Deputy Chief of Jacksonville District's Everglades Program Management Office 2009-2011 and deployed to Operation Iraq Freedom in 2004. Prior to working for the Corps of Engineers, Bush worked for 10 years for the Florida Department of Environmental Protection, including four years on the interagency planning team responsible for the development of the Comprehensive Everglades Restoration Plan. Mr. Bush has a bachelor's degree in Biological Science from Florida State University, has certificates from the University of Florida and George Washington University, and is a graduate of the Army Management and Staff College.

NAVFAC SOUTHEAST PROGRAM UPDATE



Jeffrey N. Killian, PE, CEM

Business Director, Naval Facilities Engineering Systems
Command Southeast

Mr. Jeffrey Killian serves as the Business Director for Naval Facilities Engineering Systems Command (NAVFAC) Southeast, a position he has held since September 2014. In this role, he oversees financial management, workforce development, strategic planning, and business operations for the command, drawing upon more than 37 years of combined military and civilian service.

Mr. Killian federal career includes: Process Engineer at Norfolk Naval Shipyard; Environmental Engineer at PWC Norfolk; Facilities Commodity Manager, PWC Norfolk; Crane Director and then Head of Transportation, NAVFAC Mid-Atlantic; Head of Public Works, NAVFAC Southeast; Comptroller NAVFAC Southeast, and then finally his current position as NAVFAC SE BD.

His contributions have earned him several prestigious civilian awards, including recognition as NAVFAC and Navy Engineer of the Year in 1999, recipient of the Navy Meritorious Civilian Service Medal in 2002, NAVFAC Enterprise Innovator of the Year in 2004, DoD Large Fleet Manager of the Year in 2006, and Navy Recycling Program Manager of the Year from 2004 to 2006. Finally, Mr. Killian was awarded the Superior Civilian Service Medal in Aug 2025.

Mr. Killian holds a BS in Industrial Engineering from NC State, a MS in Civil-Environmental Engineering from Old Dominion University, and a MBA from The College of William & Mary. He is a Registered PE in the Commonwealth of Virginia and holds numerous professional credentials, including Certified Energy Manager, LEED Certification, IFMA Facilities Manager Certification, and DAWIA Level III. He is a graduate of the Enhanced DoD Comptroller School, the NAVFAC Leadership Development Program, and the Federal Executive Institute. His professional affiliations include the Society of American Military Engineers, the Institute of Industrial Engineers, and the Association of Energy Engineers.

A retired Army Infantry Officer, Mr. Killian was commissioned through ROTC in 1990 and served with distinction in both Gulf War I and II. He retired in 2008 from the North Carolina Army National Guard. His military education includes the Combined Arms Staff School, the Command and General Staff College, and the Joint National Defense School.

He is married (34 years) with two grown children and five grandchildren.

BREAKOUT SESSION

AN INDUSTRY ENGAGEMENT ON COLLABORATIVE DELIVERY METHODS - USSOCOM MEGA PROJECT



LCDR Jeremiah Gill, HQ USSOCOM
MILCON Program Manager

A native of Indianapolis, IN, Lieutenant Commander Jeremiah Gill received a B.S. in Nuclear Engineering from Purdue University in May 2011 and holds a M.S. in Engineering Management from Purdue University and an MBA from the University of Florida.

Jeremiah has held assignments as a Nuclear Power School Instructor, Naval Reactors Engineer, and as a Naval Mobile Construction Battalion Company Commander. He has completed tours with NAVFAC as a Construction Manager and Division Director in Sigonella, Italy and most recently as the Facilities Engineering and Acquisition Director for the Public Works Department Mayport and NAVFAC Southeast.

He reported to US Special Operations Command at MacDill Air Force Base in Tampa, FL in May 2025 where he is assigned as the project officer for a new USSOCOM Headquarters as well as the MILCON Program Manager for three of USSOCOM's Global Theatre Special Operations Commands. Lieutenant Commander Gill is a registered Professional Engineer in the state of Florida, a member of the Acquisition Professional Community, and is a member of the SAME Tampa and Jacksonville posts.

KEYNOTE LUNCH SPECIAL PRESENTATION



Michael Blount

Senior Vice President
AECOM

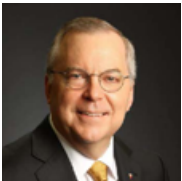
- All about the Florida Gators
 - Retired Seabee
 - Swimming, Hiking, Biking and Camping
-



MG Mike Wehr, PE, USA (Ret.)

SAME Executive Director

- Assumed the XD role on Aug 1, 2023
 - 35 years US Army; retired in 2021
 - Chief salaried administrator of the Society, responsible for the effective operation and management of the organization to National Leadership Assembly, the Board of Direction and the National President; also serves as Executive Director of the SAME Foundation
 - Oversees activities of the National Office staff (currently more than 25 full-time employees)
-



Michael Huffstetler, Assoc AIA, LEED AP, F.SAME

SAME National President, Federal Programs Leader
DLR Group

- 37 years in A/E/C Industry: military, federal, aviation, international, back to federal
- SAME member since 1989; 2021 Academy of Fellows; 2020-2025 SAME Executive Committee
- FUN FACT: Married my high school sweetheart - auditioned for the Newlywed Game!

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PROFESSIONAL DEVELOPMENT HOURS (PDH)

attended the Society of American Military Engineers (SAME) 2025 Tri-Regional Joint Engineers Training Symposium (JETS) on October 21-23. The presentations were as follows:

TRACK A	Innovation & Collaboration in Acquiring and Delivering Projects/Clearwater Room		TRACK B	Innovations in Civil Works & Emergency Response/ Main Ballroom		TRACK C	Innovations in Military Facilities/ St. Johns Room		TRACK D	Innovations in Installation Facilities Energy, Water and Cyber Security/Daytona Room		
Time	Track	Topic (Speaker)										1 hr
TECHNICAL TRAINING SESSION I												
8:40 am – 9:30 am	A-I	Beyond the Unified Facilities Criteria (UFC): Utilities Privatization and the Power of Innovative Solutions <i>CDR Nate Chenarak NAVFAC SE</i>										
	B-I	COASTAL STORM RISK MANAGEMENT PANEL: Hydrodynamic Dredging,Nautical Depth, & Other Murky Topics & Update on Naval Station Mayport Dune Restoration <i>Joe Wagner, PE, BCNE, BCEE Black & Veatch, Pete Johnson, PWS Oneida ESC</i>										
	C-I	Innovation and Collaboration in Acquiring and Delivering Waterfront Restoration and Modernization Projects <i>Isaac Canner, PE Moffatt & Nichol, CDR Brian Mack NAVFAC SE</i>										
	D-I	Precision in Motion: Advancing Military Engineering Design with Mobile LiDAR <i>Randy Tompkins, PSM, PLS, PS & Bryant King, CST I DRMP</i>										
TECHNICAL TRAINING SESSION II												
9:40 am – 10:30 am	A-II	Lean Design-Build: A Unified Strategy for High-Performance Project Delivery <i>CDR Daniel Eldred & LCDR Peter Fovargue NAVFAC SE</i>										
	B-II	Navigating Dewatering Challenges in High-Precipitation Zones <i>Richard Bird, PE AECOM, Gregory Landry, PE Keller North America</i>										
	C-II	Implementing Facility Space Optimization Planning for US Air Force Installations <i>Kermit Lewis Pond & Company</i>										
	D-II	Securing Operational Technology in the Shore Infrastructure <i>John Matlock Matlock & Associates</i>										
MORNING INNOVATION STATIONS												
10:30 am – 11:00 am	MIA	Flood Forecasting Systems and the Potential Role in Military Installation Readiness <i>Warren McKinnie, PE, CFM, GISP Streamline Technologies, Kent Boulicault, PE Half Associates</i>										
	MIB											
	MIC	Design and Maintenance for Corrosion Protection <i>Cortney Chalfoux, PhD, PE, PCS Pond & Company</i>										
	MID	Mechanochemical Destruction of PFAS in AFFF and AFFF-Impacted Soils <i>Hunter Anderson, PhD Environmental Decontamination (NZ) Limited</i>										
TECHNICAL TRAINING SESSION III												
11:10 am – 12:00 pm	A-III	Leveraging Artificial Intelligence for Enhanced Construction Management at NAVFAC SE <i>Alan Hall ASR International Corporation</i>										
	B-III	How to Truncate the Life Cycle of Emergency & Disaster Preparedness, Response & Recovery <i>Joseph Williams, PE & Angela Nocera, PE, F.SAME Michael Baker International, Carlos Castillo Tidal Basin</i>										
	C-III											
	D-III											
TECHNICAL TRAINING SESSION IV												
1:40 pm – 2:30 pm	A-IV	ADDRESSING PFAS CHALLENGES TODAY PANEL: Data Acquisition, Disposal Options and Outreach Communications <i>Dora Chiang, PhD, PE & Juliana Dean Jacobs</i>										
	B-IV	Indian Lake Dam Rehabilitation – Strengthening for Post-Tension Anchoring Aged Concreate and Stone Masonry <i>Greg Johnson, PE, PMP Colliers Engineering and Design</i>										
	C-IV	A Roadmap and Innovative Solutions to achieve Installation Mission Assurance <i>Raul Herrera, PE, MS GEM, LEED AP Black & Veatch</i>										
	D-IV											



Professional Development Hours (PDH) CONTINUED



TRACK A	Innovation & Collaboration in Acquiring and Delivering Projects/Clearwater Room		TRACK B	Innovations in Civil Works & Emergency Response/ Main Ballroom		TRACK C	Innovations in Military Facilities/ St. Johns Room		TRACK D	Innovations in Installation Facilities Energy, Water and Cyber Security/Daytona Room		
Time	Track	Topic (Speaker)										1 hr
TECHNICAL TRAINING SESSION V												
2:40 pm – 3:30 pm	A-V	Better, Faster, Cheaper Civil Works? A Section 203 A Case Study Sharing Real World Pros and Cons Clayton Henderson, MBA / TGS & CPNID, Lena DeSantis / Anchor QEA										
	B-V	USACE Caribbean Caño Martín Peña Ecosystem Restoration: “Landscape Adaptations to achieve Restoration Outcomes Meredith Allen, JD / AECOM-Black & Veatch JV										
	C-V	Alternative Construction Methods:From Concept to Reality CDR Sam Yu / NAVFAC SE										
	D-V	STREAMLINING CMMC 2.0 & FRCS COMPLIANCE PANEL: Software Solutions for Small DoD Contractors & Mastering Cyber Resilience for Critical Operations Josh Hammer / H&V Facility Solutions Inc., Chris Biegun, PMP, ITLV3, CMMI-A, CMMC-CCP / Black & Veatch										
AFTERNOON INNOVATION STATIONS												
3:40 pm – 4:30 pm	AIA	Pros and Cons of Joint Ventures and Teaming David Rose, Lt. Col, USAF / Rose Consulting Law Firm										
	AIB											
	AIC	Advancing Resilience in Vertical Facilities: Permanently Solving Water Intrusion Through Innovation and Public- Private Partnership Marco Sousa / CL Wizard, LLC										
	AID	FRPs Steal the Day In Civil Works Infrastructure Craig Morin, PE & Lee Canning, PhD / Jacobs, Liesbeth Tromp / Haskoning Eric Johnson, PE, SE, CCT-VIP / USACE, Inland Navigation Design Center										
TECHNICAL TRAINING SESSION VI												
4:30 pm – 5:20 pm	A-VI	Project Labor Agreements: Navigating Opportunities and Challenges in Federal Construction Aaron Glover / Whiting-Turner, Joe Angell / Wiley Wilson, Rick Maranville / BIC										
	B-VI											
	C-VI	Success with Local Utility Coordination for Federal Projects Pamla Little, PE, PMP GPCP & Scott Smith, PE / Pond & Company, Shannon Bailey-Partlow, PE, PMP & James Warner, PE / Tetra-Tech										
	D-VI	Practical Solutions to PFAS: Scalable Site Management Strategies Mahsa Modiri, PhD, PE, Michael Hertz, PG & David Steckler, PG / EA Engineering, Science, and Technology, Inc., PBC										

Total Hours Attended: _____

The SAME Jacksonville Post asserts that attendance constitutes continuing education under Florida Statutes, Chapter 471, Engineering. The engineer named above asserts that the presentation(s) selected are relevant to their practice and thus constitute PDH(s). Individual certificates are available for download at the SAME Jacksonville Post website <https://samejax.org>.



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