

**Wednesday, February 4, 2026**

**OPENING GENERAL SESSION**

**1:00 p.m. to 5:10 p.m.**

**1:00 p.m.**

**Welcome**

**1:10 p.m.**

**Post-Milton Midnight Pass Inlet Evolution and Management**

**Michael Jenkins, Ph.D., P.E., Geosyntec, West Palm, FL, and Rachel Herman and Joseph Kraus, Planning and Development Services, Sarasota County, Sarasota, FL**

**1:30 p.m.**

**Development of a County Coastal Management Plan: St. Johns County, FL**

**Sloane Stephens and Stephen Hammond, Coastal Management Department, St. Johns County, St. Augustine, FL and Albert Browder, Ph.D., P.E. and Krista Egan, P.E., Foth | Olsen, Jacksonville, FL**

**1:50 p.m.**

**Functional Resiliency at the Castillo de San Marcos: Integrating Statistical Flood Risk Analysis with Historic Preservation Design**

**Margaret Boshek, P.E., Moffatt & Nichol, Inc., Raleigh, NC, Steve Roberts, National Park Service, St. Augustine, FL, and Luisa Callura, Croft & Associates, Kennesaw, GA**

**2:10 p.m.**

**From Risk to Resilience: Evaluating Coastal Management Strategies in Volusia County**

**Wendy Laurent, P.E., and Nicole Filipow, P.E. and Christopher Bender, Ph.D., P.E., BC.CE, Taylor Engineering, Inc., Philadelphia, PA and Jacksonville, FL, and Jessica Fentress, P.E., Volusia County, Daytona Beach, FL**

**2:30 p.m.**

**Canaveral Harbor (Florida) Sand Bypass Project, 1995-2025**

**Luis F. de Valderrama, P.E. and Kevin Bodge, Ph.D., P.E., Foth | Olsen, Jacksonville, FL and Patrick Snyder, P.E., U.S. Army Corps of Engineers, Jacksonville District, FL**

**2:50 p.m.**

**Professional Exchange Break (30 Minutes)**

**3:20 p.m.**

**Beach Nourishment Impacts on Surfing: Separating Myths from Facts**

**Lindino Benedet, Ph.D. and Thomas Pierro, P.E., BC.CE, Coastal Protection Engineering, Boca Raton, FL**

**3:40 p.m.**

**Now You Just Fold in the Shell: Reincorporation of Screened Out Shell into Beach Fill on USACE SAJ Beach Nourishment Projects**

**Nicholas McCarroll, Ph.D. and Jennifer Coor, Ph.D., P.G., and David Holland, U.S. Army Corps of Engineers, Jacksonville District, FL and Military Munitions Design Center, Baltimore, MD**

**4:00 p.m.**

**Impact of Calcium Carbonate Shell Hash on Geomechanical Properties of Sand**

**Noah Evans, Nina Stark, Ph.D., and Stephen Adusei, Engineering School of Sustainable Infrastructure and Environment, University of Florida, Gainesville, FL**

**4:20 p.m.**

**PANEL Discussion – Designing Turtle-Friendly Beaches: Engineering, Ecology, and Regulatory Perspectives**

**Niki Desjardin and Robert Ernest, Ecological Associates, Inc., Jensen Beach, FL, Michael Jenkins, Ph.D., P.E., Geosyntec, West Palm, FL, and Eric Seckinger, Florida Fish and Wildlife Conservation Commission, Tallahassee, FL**

**5:10 p.m.**

**Adjourn**

**Thursday, February 5, 2026**

**CONCURRENT SESSION A1**

**8:05 a.m. to 9:45 a.m.**

**8:05 a.m.**

**Adaptive Restoration of Bird Island CWA: Stabilizing Shorelines for Long-Term Ecological Resilience**  
Ryan Watson, Stantec Consulting Services Inc., Clearwater, FL

**8:25 a.m.**

**Groundwork for Coastal Defense: Geotechnical Exploration in Key Biscayne's Flood Risk Study**  
Stephanie Soto and Barbara Nist, P.G., U.S. Army Corps of Engineers, Jacksonville District, FL

**8:45 a.m.**

**Process-Based Modeling to Support Multi-Objective Metrics for Nature-Based Solutions for MacDill Air Force Base**

Ioannis Georgiou, Ph.D. and Jessica Henkel, Ph.D., and Martijn Bregman, Francesca Messina, Ph.D., Ovel Diaz Ph.D., and Soupy Dalyander, Ph.D., The Water Institute, New Orleans and Baton Rouge, LA

**9:05 a.m.**

**Enhancing Coastal Planning and Resilience with NOAA's Sea Level Calculator**

Matthew Pendleton, Office for Coastal Management, National Oceanic and Atmospheric Administration, Charleston, SC

**9:25 a.m.**

**Impact of Storm-Induced Morphological Changes on Extreme Wave Runup and Overtopping of Sandy Beaches and Dunes under Rising Sea Levels**

Mohammad Jamous, Ph.D., Mott MacDonald Group, Inc., New York, NY and Reza Marsooli, Ph.D., Stevens Institute of Technology, Hoboken, NJ

**9:45 a.m.**

**Professional Exchange Break (30 Minutes)**

**CONCURRENT SESSION B1**

**8:05 a.m. to 9:45 a.m.**

**8:05 a.m.**

**Extracting Coastal Morphologic Features from High-Resolution Profiles**  
Quin Robertson, Ph.D., P.G., Woolpert, Beavercreek, OH, Zhifei Dong, Ph.D., Tellus Consulting, Delray Beach, FL, and Jennifer Wozencraft and Charlene Sullivan, Joint Airborne Lidar Bathymetry Technical Center of Expertise, U.S. Army Engineer Research and Development Center, Kiln, MS

**8:25 a.m.**

**The 2005 Bogue Inlet Relocation Project – A 20+ year Retrospective**

Greg "Rudi" Rudolph, Woolpert Inc., North Charleston, SC

**8:45 a.m.**

**CoastSnap St. Augustine Beach: A Partnership to Monitor Coastal Morphologic Change in St. Johns County, Florida**

Peter Adams, Ph.D., Matheus de Assis Bose, Copeland Cromwell, and Teagan Duenkel, Department of Geological Sciences, University of Florida, Gainesville, FL

**9:05 a.m.**

**Survey123 and UAS Applications for Storm Impact Data Collection**

Hailey Wilson and Caroline Skae, Environmental Resources Management, Palm Beach County, West Palm Beach, FL

**9:25 a.m.**

**Navigating Change: The Updated National Tidal Datum Epoch and Its Implications for Coastal Infrastructure and Community Resilience**

Ethan Bowe, Foth Infrastructure and Environment, LLC, Newport, RI

**9:45 a.m.**

**Professional Exchange Break (30 Minutes)**

**Thursday, February 5, 2026**

**CONCURRENT SESSION A2**

**10:15 a.m. to 12:00 p.m.**

**10:15 a.m.**

**Threading the Needle in Flagler County: Maximizing Storm Protection Adjacent to Hardbottoms**

Casey Connor, P.E., Moffatt & Nichol, Inc., Jacksonville, FL and Ansley Wren-Key, Ph.D., Flagler County, Bunnell, FL

**10:35 a.m.**

**Collier County Dune Impacts in Response to Successive Hurricanes and Dune Restoration Plans for Improved Resiliency**

Mohamed Dabees, Ph.D., P.E., BC.CE, Marc Damon, P.E., and Brett Moore, P.E., BC.CE, Humiston & Moore Engineers, Naples, FL

**10:55 a.m.**

**Evolution of the Deerfield/Hillsboro Coastal Management Program**

Dylan Nestler, P.E., Thomas Pierro, P.E., BC. CE, and Stacy Buck, Coastal Protection Engineering, Boca Raton, FL

**11:15 a.m.**

**Beach Erosion and Shore Protection along Placencia Peninsula, Belize**

Ping Wang, Ph.D., School of Geosciences, University of South Florida, Tampa, FL

**11:35 a.m.**

**Lido Key Beach Nourishment Performance and Path Forward**

Collin Ries, P.E., Patrick Snyder, P.E., and Dana Small, U.S. Army Corps of Engineers, Jacksonville District, FL

**12:00 p.m.**

**Lunch (1 Hour)**

**CONCURRENT SESSION B2**

**10:15 a.m. to 12:00 p.m.**

**10:15 a.m.**

**New Pass Inlet Management Study: A Data Driven Approach to Plan Development**

Thomas Pierro, P.E., BC.CE and Dylan Nestler, P.E., Coastal Protection Engineering, Boca Raton, FL, Alyssa Thomas, P.E., City of Sarasota, Sarasota, FL, and Doris Otero, Ph.D., CFM, APTIM, Boca Raton, FL

**10:35 a.m.**

**Understanding the Long-Term Morphologic Evolution and Sediment Dynamics of the New Pass Ebb-Tidal Delta**

Matheus de Assis Bose and Peter Adams, Ph.D., Department of Geological Sciences, University of Florida, Gainesville, FL and Justin Shawler, Ph.D., Kaitlyn McPherran, Ph.D., and Charlene Sylvester, U.S. Army Engineer Research and Development Center, Vicksburg, MS

**10:55 a.m.**

**Supplemental Dredging Areas for More Cost-Effective Beach Nourishment at East Pass**

Michael Kabiling, Ph.D., P.E., CFM, Taylor Engineering, Inc., Jacksonville, FL

**11:15 a.m.**

**Geomorphic Response to Channel Bar Dredging for Coastal Restoration Projects**

Kazi Sadid, Ph.D., P.E., Halff, Houston, TX, Dan Gessler, Ph.D., P.E., Flow Science, Fort Collins, CO, Rudy Simoneaux, Coastal Protection and Restoration Authority, Baton Rouge, LA, and Clinton Willson, Ph.D., LSU College of the Coast & Environment, Louisiana State University, Baton Rouge, LA

**11:35 a.m.**

**Decadal Relationship Between Foredune and Beachface Volume Change at an Inlet-Influenced Florida Barrier Island**

Teagan Duenkel and Peter Adams, Ph.D., Department of Geological Sciences, University of Florida, Gainesville, FL

**12:00 p.m.**

**Lunch (1 Hour)**

**Thursday, February 5, 2026**

**CONCURRENT SESSION A3**

**1:00 p.m. to 3:00 p.m.**

**1:00 p.m.**

**Boy Scout Island Living Shoreline Restoration Project**  
Morjana Signorin, Akash Sahu, and Lindino Benedet, Ph.D., Coastal Protection Engineering, Boca Raton, FL and Scott Tedford, Amy Eason, and Zachary Hughes, Martin County, Stuart, FL

**1:20 p.m.**

**Twin Rivers Shoreline Stabilization Project**  
Jonathan Brumfield, P.E., Taylor Engineering, Inc., Jacksonville, FL and Jessica Garland and Lauren Theis, Martin County, Stuart, FL

**1:40 p.m.**

**City of Boynton Beach Living Shoreline Assessment**  
Nick Bragaia, P.E. and Jessica Rakich, P.E., Michael Barnett, P.E., BC.CE, and Melanie Szybel, GHD, Inc., West Palm Beach, FL, Atlanta, GA, and Miami, FL, and Alannah Irwin and Moisey Abdurakhmanov, City of Boynton Beach, FL

**2:00 p.m.**

**Collaborative and Multi-Objective Approach to Prioritizing Nature-Based Solutions for MacDill Air Force Base**  
Soupy Dalyander, Ph.D., Jessica Henkel, Ph.D., and Diana Di Leonardo, The Water Institute, Baton Rouge, LA

**2:20 p.m.**

**Oyster Restoration Bricks (ORB)**  
Lily Boyer, Ella Champ, and Tina Piracci, Judy Genshaft Honors College and William Ellis, Ph.D., Department of Integrative Biology, University of South Florida, Tampa, FL

**2:40 p.m.**

**Lightning Point Living Shoreline Restoration Including Hard Armor for Enhanced Stability**  
Matthew Stovall, P.E. and Dan Priest, P.E., Contech Engineered Solutions, LLC, Clackamas, OR and West Chester, OH

**3:00 p.m.**

**Professional Exchange Break (30 Minutes)**

**CONCURRENT SESSION B3**

**1:00 p.m. to 3:00 p.m.**

**1:00 p.m.**

**Microplastics in Coastal Sediments**  
Halaina Hahn and Tiffany Roberts Briggs, Ph.D., Department of Geosciences, Florida Atlantic University, Boca Raton, FL

**1:20 p.m.**

**Securing NASA's Coastline: Offshore Sand Source Investigation for Kennedy Space Center**  
William Warren, P.G. and Barbara Nist, P.G., U.S. Army Corps of Engineers, Jacksonville District, FL

**1:40 p.m.**

**FDEP's Regional Offshore Sand Source Inventory (ROSSI) Project Submittal Challenges and Updates**  
Sarah Bodin, Office of Resilience and Coastal Protection, Florida Department of Environmental Protection, Tallahassee, FL

**2:00 p.m.**

**The Future of Offshore Sand Sources in North Palm Beach County**  
Evan Heeg and Steven Howard, P.E, Foth | Olsen, Jacksonville, FL

**2:20 p.m.**

**A Win, Win, Win: Beneficial Use Placement and Stockpiling of Maintenance Dredging Material from the Intracoastal Waterway and Ponce De Leon Inlet**  
Patrick Snyder, P.E., U.S. Army Corps of Engineers, Jacksonville District, FL

**2:40 p.m.**

**Sebastian Inlet Sand-Trap Bypassing: Volumes and a Practical Supplementation**  
Katie Crocker and S. Marie Yarbrough, P.E., AtkinsRéallis, Melbourne, FL, James Gray, Jr., Sebastian Inlet District, Indialantic, FL, and Gary Zarillo, Ph.D., P.G., Department of Ocean Engineering and Marine Sciences, Florida Institute of Technology, Melbourne, FL

**3:00 p.m.**

**Professional Exchange Break (30 Minutes)**

**Thursday, February 5, 2026**

**CONCURRENT SESSION A4**

**3:30 p.m. to 5:10 p.m.**

**3:30 p.m.**

**Online Spatio-Temporal Modeling of Coastal Elevation Dynamics: Toward a Digital-Twin Framework for Evolving Shorelines**

**Naqiya Rangwala and Prashant Shekhar, Ph.D., Department of Mathematics and Stephen Medeiros, Ph.D., P.E., Department of Civil Engineering, Embry-Riddle Aeronautical University, Daytona Beach, FL**

**3:50 p.m.**

**Measured and Computed Compound Flooding along Two Heavily Urbanized Rivers, West-Central Florida, USA**

**Elizabeth Royer and Ping Wang, Ph.D., School of Geosciences, University of South Florida, Tampa, FL**

**4:10 p.m.**

**Applications and Insight from Delft3D Flexible Mesh (FM) Modeling in Coastal and Inland Water Systems**

**Akash Sahu, Morjana Signorin, and Lindino Benedet, Ph.D., Coastal Protection Engineering, Boca Raton, FL**

**4:30 p.m.**

**Exploring the Critical Factors in High-Frequency Storm Erosion Modeling**

**Shamim Murshid, Ph.D., Office of Resilience and Coastal Protection, Florida Department of Environmental Protection, Tallahassee, FL**

**4:50 p.m.**

**Comparing GenCade and ShorelineS: Evaluating One-Line Shoreline Change Models on Florida and North Carolina Coasts**

**Chase Davis, and Morjana Signorin and Lindino Benedet, Ph.D., Coastal Protection Engineering, Wilmington, NC and Boca Raton, FL, and Dano Roelvink, Ph.D., IHE Delft and Delft Hydraulics, Delft, Netherlands**

**5:10 p.m.**

**Adjourn**

**CONCURRENT SESSION B4**

**3:30 p.m. to 5:10 p.m.**

**3:30 p.m.**

**Temporary Breakwater to Support Cruise Pier Construction at Half Moon Cay, Bahamas**

**Kevin Glass, P.E., American Bridge, Tampa, FL, Tim Blankenship, P.E., Moffatt & Nichol, Inc., Miami, FL, and Armando Corpas, Carnival Corporation, Miami, FL**

**3:50 p.m.**

**Elements of Coastal Structure Infrastructure Management**

**Douglas Mann, P.E., BC.CE, Aptim Environmental & Infrastructure, LLC, Boca Raton, FL**

**4:10 p.m.**

**Beyond the 100-Year Storm: Elevating the Flagler Beach Pier for Future Coastal Extremes**

**Gabriel Perdomo, P.E. and Kalen Hatten, E.I., Moffatt & Nichol, Inc., Tampa, FL**

**4:30 p.m.**

**Developing Sustainable and Innovative Systems for Beach Erosion Control through Modeling and Design**

**Mohammad Ghiasian, Ph.D., P.E. and Melanie Szybel, Nick Bragaia, P.E., and Michael Barnett, P.E., BC.CE, GHD, Inc., Miami, FL, West Palm Beach, FL, and Atlanta, GA, Amy Cook, Miami-Dade County, Miami, FL, and Brian Haus, Ph.D., Sandash Lamsal, Ph.D., and Landolf Rhode-Barbarigos, Ph.D., University of Miami, Coral Gables, FL**

**4:50 p.m.**

**Novel Hybrid Coastal Evolution and Storm Modeling Framework for Beach Nourishment**

**Yashar Rafati, Ph.D., P.E. and Angela Schedel, Ph.D., P.E., HDR Engineering, Tampa and Jacksonville, FL**

**5:10 p.m.**

**Adjourn**

**Friday, February 6, 2026**

**CLOSING GENERAL SESSION**

**8:05 a.m. to 12:00 p.m.**

**8:05 a.m.**

**Quantifying the Benefits of Engineering Adaptations and Nature-Based Solutions on Barrier Island Community Resilience**

**Bret Webb, Ph.D., P.E., BC.CE, Goodwyn Mills & Cawood, and Stephanie Patch, Ph.D., P.E. and Trung Do, Ph.D., P.E., Department of Civil, Coastal, and Environmental Engineering, University of South Alabama, Mobile, AL**

**8:25 a.m.**

**A Joint Discussion with Pinellas County and APTIM on the Pinellas County Beach Nourishment Project: Journey From Easements to Storms to Construction**

**John Bishop, Ph.D. and Zachary Westfall, Public Works, Pinellas County, Clearwater, FL and Jacob Rice, Aptim Environmental & Infrastructure, LLC, Boca Raton, FL**

**9:05 a.m.**

**Assessment of Pinellas County Coastal Erosion Control Structures**

**James Austin, P.E. and Douglas Mann, P.E., BC.CE, Aptim Environmental & Infrastructure, LLC and John Bishop, Ph.D., Public Works, Pinellas County, Clearwater, FL**

**9:25 a.m.**

**Maintaining Momentum: Utilizing Proactive Approaches When Project Delays Hit**

**Nicole Filipow, P.E. and Christopher Bender, Ph.D., P.E., BC.CE, Taylor Engineering, Inc., Jacksonville, FL**

**9:45 a.m.**

**Professional Exchange Break (30 Minutes)**

**10:15 a.m.**

**Hybrid Living Shorelines for Coastal Protection and Ecological Restoration: A Case Study Using Benthic Infauna**

**Jessica Cline, Marine Resources Council, Palm Bay, FL and Chris Bogdan, Ferguson Waterworks, Orlando, FL**

**10:35 a.m.**

**Toward Sea Turtle-Safe Dredging: A Proposed Comparative Study of Hopper, Cutterhead, and Hydrodynamic Methods**

**Grace Hejmanowski and Joe Wagner, P.E., BC.CE, Black & Veatch, Inc., Tampa, FL and Savannah, GA**

**10:55 a.m.**

**Shoal Tracker – A New Satellite-Based Approach to Monitor Shoal Development and Migration**

**Copeland Cromwell and Peter Adams, Ph.D., Department of Geological Sciences, University of Florida, Gainesville, FL and Aleksandra Ostojic, Justin Shawler, Ph.D., Kaitlyn McPherran, Ph.D., Ian Conery, Ph.D., and Shannon Brown, U.S. Army Engineer Research and Development Center, Vicksburg, MS**

**11:15 a.m.**

**Engaging Residents as Citizen Scientists for Dune Monitoring of Newly Restored Dunes in Flagler County**

**Carolyn Kovacs, UF/IFAS Extension Flagler and Volusia Counties, Bunnell, FL**

**11:35 a.m.**

**Balancing Habitat Restoration and Human Use of the Lower Perdido Islands**

**Kate Dawson, P.E., Moffatt & Nichol, Inc., Pensacola, FL and Katie Baltzer, The Nature Conservancy, Mobile, AL**

**12:00 p.m.**

**Adjourn**