

Program as of Nov 1, 2018. Sessions and speakers may be subject to change

Tuesday, October 30							
8:00 am-5:00 pm	Full-day Short Courses: "Government Operation" from 8 a.m. until noon, and "Coastal Geology" from 1 p.m. until 5 p.m., Spinnaker and Harbor rooms. PDH available. Part of the CCP certification program (Separate fee, not included in conference registration). Sponsored by National Wildlife Federation.						
Wednesday, October 31							
8:00 am-12:00 pm	ASBPA Board of Directors meeting – Galleon Room						
10:00 am	Registration Opens						
1:00-5:30 pm	Plenary Session - Moderated by Cris Weber, Reuben Trevino, Ashley Judith, Conference Co-Chairs						
1:00-1:10 pm	Welcome by Conference Co-chairs						
1:10-1:20 pm	Welcome and introductions – Tony Pratt, ASPBA President						
1:20-1:30 pm	Welcome – Mayor James Yarbough, City of Galveston						
1:30-2:00 pm	"Texas Coastal Management" – David Green, Deputy Director of Coastal Resources, Texas General Land Office						
2:00-2:30 pm	"The challenge of turning science into policy and positive action" – Larry McKinney, Ph.D., Executive Director, Harte Research Institute						
2:30-3:00 pm	Networking Break - Prefunction						
3:00-3:30 pm	"UK coastal risk management: ordinary, extreme, long-term"– Jonathan Simms, Chief Technical Director (Resilience), HR Wallingford						
3:30-4:00 pm	"Coastal Policy" – Edmond Russo Jr., Ph.D., Deputy District Engineer for Programs and Project Management, USACE Galveston District						
4:00 pm	ASBPA Annual Membership meeting – Elections and resources for members, 2019 Coastal Summit Preview						
5:00-7:00 pm	Opening reception sponsored by Great Lakes Dredge and Dock and Poster Session sponsored by the City of South Padre Island						
7:30 pm	Networking Hour sponsored by the Students and New Professionals (all are invited and welcome)						
Concurrent Sessions Thursday and Friday							
7:30-8:00 am	Continental Breakfast - Prefunction						
	Coastal Structures - A Yacht	Economics & Beach Response - B Galleon 1	Regional Studies & Storm Response - C Galleon 2	Natural Infrastructure & Resilience - D Galleon 3	RSM - E Clipper	Modeling & Management - F Harbor	Beach Operations - G Spinnaker
Sponsored By	USGS			Natural Infrastructure Initiative			CrowderGulf
Thursday, November 1							
8:00-9:20 am	1A — Beach Restoration and Coastal Structures 1	1B — Economics of Coastal Resources	1C — Regional Comprehensive Coastal Studies 1	1D — Engineering With Nature® 1: EWN Introduction and Example Case Studies	1E — Regional Sediment Management 1	1F — Coastal & Estuarine Modeling 1	1G — Beach Facilities Are Unlike Anything You Have Ever Maintained
Moderator	Ping Wang	Amy Williams	Sharon Tirpak	Todd Bridges and Jeff King	Katie Brutsché	Safra Altman	Sheryl Rozier
8:00-8:20 am	Success and Lessons Associated with Project Implementation: Beach Restoration to Protect NC Highway 12 at Buxton, Dare County, North Carolina	Wave Attenuation Services of Nature-Based Features	U.S. Army Corps of Engineers Galveston District: An Overview of the Navigation, Ecosystem Restoration and Flood Risk Management (Inland and Coastal Storm) Programs along the Texas Coast	Introduction to Engineering With Nature®	Quantifying Sediment Transport and Improving RSM Strategies for USACE Projects along the Delaware and Maryland Coasts	The Combination of Far Field Dredge Plume Modeling and Unmanned Aerial Systems (UAS) Technology: A Case Study in the Double Creek Channel, New Jersey	Parking is Part of Beach Access
Presenting Author	Haiqing Kaczowski, Coastal Science & Engineering Inc.	Maura Boswell, Old Dominion University	Sharon Tirpak, USACE Galveston District	Todd Bridges, USACE Engineer Research & Development Center	Eve Eisemann, USACE Engineer Research & Development Center	Yi-Cheng Teng, Michael Baker International	Luke LeBas, Atkins
8:20-8:40 am	Caillou Lake Headlands Restoration (aka Whiskey Island)	Nueces County-Owned Kleberg Tract Habitat and Land Use Management Tract	Coastal Texas Protection and Restoration Study: An Overview	Constructing Islands with Dredged Sediment	Simulation of Shoreline Changes around the Indian River Inlet in the Delaware Coast	The Influence of Vertical Structure on Surges at the Open Coast	Cameron County Coastal Park Improvements: Challenges & Partnerships
Presenting Author	Steve Dartz, Coastal Engineering Consultants Inc.	Harrison McNeil, Hanson Professional Services Inc.	Kelly Burks-Copes, USACE Galveston District	Danielle Szimanski, USACE Baltimore District	Yan Ding, USACE Engineer Research & Development Center	Amanda Tritinger, University of North Florida	Joe E. Vega and Paolina Vega, Cameron County, TX

8:40-9:00 am	Ibaka Beach Restoration Design Project	Raise Taxes: A Case for Public Investment in Coastal Infrastructure	Gulf Coast Community Protection & Recovery District Study: Economic Analysis	Engineering With Nature® to Support System Resilience: Examples of Innovative Channel Dredging and Placement in Coastal New Jersey	Thin Layer Placement: The State of the Science and Practice	Submarine Groundwater Discharge as a Likely Driver of Coastal Inlet Sediment Dynamics at a Central Gulf Lagoon	Stewart Beach Pavilion: From Continuing Maintenance Problems to Planning a New Pavilion for the Next Generation
Presenting Author	Ephraim Paul, Akwa Ibom State University	Michael Walther, G.E.C. Inc.	Chris Sallase, Dannenbaum	Monica Chasten, USACE Philadelphia District	Brandon Boyd, USACE Engineer Research and Development Center	Bryan Groza, ORISE	Sheryl Rozier, Park Board of Trustees of the City of Galveston, TX
9:00-9:20 am	Sediment Quality and Berm Design Considerations in a Beach Nourishment Project with Large Fill Densities: Isle of Palms, SC	Shoreline Restoration and Habitat Longevity In The Face of Sea Level Rise	Storm Surge and Wave Impacts from a Proposed Coastal Storm Risk Management Measure for the Galveston Bay Area	Tapping the Ingenuity of Students to Design a Resilient Texas Coast	Recent Nearshore Placement and Case Studies	Enhanced Tide Model: Improving Tidal Predictions with Integration of Wind Data	Rebranding Public Beaches
Presenting Author	Steven Traynum, Coastal Science & Engineering Inc.	Nicholas Cox, Moffatt & Nichol	Margaret Owensby, USACE Engineer Research & Development Center, Coastal & Hydraulics Lab	Kelly Burks-Copes, USACE Galveston District	Katherine Brutsché, USACE Engineer Research & Development Center	Thomas Huff, Texas A&M University	Bryan Frazier, Brazoria County Parks Dept.
9:20-9:40 am	Networking Break						
9:40-11:00 am	2A — Beach Restoration and Coastal Structures 2	2B — Federal, State, and Local Coastal Policy, Regulatory and Legal Issues	2C — Regional Comprehensive Coastal Studies 2	2D – Engineering With Nature® 2: Combining Science, Engineering and Education	2E — Regional Sediment Management 2	2F — Coastal & Estuarine Modeling 2	2G — Maintaining a Safe and Environmentally Responsible Public Beach
Moderator	Tiffany Roberts Briggs	Tony Pratt	Paul Hamilton	Jens Figlus	Tanya Beck	Amanda Tritinger	Natalie Bell
9:40-10:00 am	Why Numerical Models Are Required to Design Offshore Breakwaters	Adapting Yesterday's Policies to Tomorrow's Realities in Coastal Communities	Ecosystem Restoration (ER) Measures for the Texas Coastal Protection and Restoration Feasibility	Scientific framework for EWN and Related Research	Regional Sediment Management of Barrier-Inlet Systems	Modeling the Vulnerability of Dauphin Island to Hurricanes	Working with Partners to Create A Successful Wildlife Monitoring Program
Presenting Author	Lee Weishar, Woods Hole Group	Douglas Plasencia, Moffatt & Nichol	Dianna Ramirez, Texas General Land Office	Rusty Feagin, Texas A&M University	Tanya Beck, USACE Engineer Research & Development Center	Brittany McMillan, University of South Alabama	Joanie Steinhaus, Turtle Island Restoration Network
10:00-10:20 am	Factors Surrounding Terminal Groin Reconstruction, Long Beach Island, New Jersey	Will Sound Engineering Prevail over Outdated and Antiquated Coastal Regulations in Massachusetts?	Ecological Assessment Applications through Habitat Evaluation Procedures (HEP) for the Coastal Texas Protection and Restoration Study	Alternative Stable States in Coastal Ecosystems, Tipping Points and the Cost of Doing Nothing	Improved Regional Sediment Management via the Inclusion of Novel Field Techniques	Statistical Analysis of High-Water Events and their Potential Impact on the After-Storm Recovery of Coastal Dunes	The State Role and Response in Storm Events
Presenting Author	Kimberly McKenna, Coastal Research Center, Stockton University	Tara Marden, Woods Hole Group	Kelsey Calvez ,Freese and Nichols Inc.	Orencio Duran Vinent, Texas A&M University	Heidi Wadman, USACE Engineer Research & Development Center Coastal and Hydraulics Laboratory	Tobia Rinaldo, Texas A&M University	Tony Williams, Texas General Land Office
10:20-10:40 am	Hybrid Coastal Structures as Storm Surge Barriers – A 3D Wave Basin Physical Model Experiment	Local Dredge Ownership Feasibility for Galveston Beach Nourishment	Coastal Science and Engineering Collaborative: Purpose and the Path Ahead	EWN in Action: Application of Vegetation and Natural Materials	U.S. Army Corps of Engineers National Coastal Mapping Program: A Regional Sediment Management Enabling Technology	Erosion and Inundation of Hatteras Island at Dune- and Region-Scales during Hurricane Isabel	Beach Operations in Texas: The State's Perspective on Local Management of the Public Beach
Presenting Author	Altaf Taqi, Texas A&M University	Ray Devlin, Moffatt & Nichol	Robert Thomas, U.S. Army Corps of Engineers	Tosin Sekoni, U.S. Army Corps of Engineers	Lauren Dunkin, U.S. Army Corps of Engineers	Alireza Gharagozou, North Carolina State University	Natalie Bell, Texas General Land Office
10:40-11:00 am	Effect of Groin Notch on the Shoreline Change using Even/Odd Analysis and Empirical Orthogonal Function Analysis at the New Jersey Coast	Evaluation of a Beneficial Use Bank to Promote the Beneficial Use of Federal Dredged Material	A Retrospective of the 2017 FEMA Mitigation Assessment Team Efforts in Texas and Florida	Strategic Placement of Dredged Sediments to Support EWN Objectives	Lake Erie and Ontario Sediment Budget	Coastal Storm Surge Flood Barriers: Lessons from London and St. Petersburg Transferrable to Galveston Bay	Beach Please...Don't Be Trashy! A Summer Saturday Keeping 'The World's Most Famous Beach' Free of Litter and Debris
Presenting Author	Pranav Sharma, Stevens Institute of Technology	Joseph Berlin, AECOM	Frances Bui, CDM Smith	Joseph Gailani, USACE Engineer Research & Development Center	Weston Cross, USACE Buffalo District	Jonathan Simm, HR Wallingford	Amanda Hester, CFB Outdoors Inc.
11:00-11:10 am	AV Break						

11:10 am -12:30 pm	3A — Beach Restoration and Coastal Structures 3	3B — Community Outreach and Education	3C — Regional Comprehensive Coastal Studies 3	3D – Engineering With Nature® 3: EWN Considerations for Coastal Resilience, NNBFGuidelines, and the Natural Infrastructure Initiative	3E — Regional Sediment Management 3	3F — Coastal & Estuarine Modeling 3	3G — What Are You Going to do When the Sargassum Comes to You?
Moderator	Brian Caufield	Lauren Klonsky	Chris Massey	Jeffrey King and Todd Bridges	Lauren Dunkin	Maura Boswell	Jesse Ojeda
11:10-11:30 am	Monitoring Erosion of a Beach Nourishment Over its First Year Using UAS (Drones)	Evolution of the Beach Access Program for Sandbridge Beach, Virginia Beach, Virginia	An Overview of ERDC's Coastal Storm Modeling System as Applied to the Coastal Texas Protection and Restoration Study	Approach to Coastline Management and Resilience Using EWN	USACE Galveston District Regional Sediment Management Initiatives	Spatial and Temporal Variations in Alongshore Sediment Transport Rates Based on Wave Modeling and Data Analysis: Anna Maria Island, Manatee County, Florida	Sargassum Landing and Movement as a Function of North Atlantic Oscillation Variation and pH Differentials
Presenting Author	Benjamin Ritt, Texas A&M University	James White, City of Virginia Beach, VA	Thomas Massey, U.S. Army Corps of Engineers	Ram Mohan, Anchor QEA LLC & Texas A&M University	Paul Hamilton, USACE Galveston District	Morjana Signorin, APTIM	Mariah McBride, Texas A&M University at Galveston, The Center for Texas Beaches and Shores
11:30-11:50 am	Analysis of Photogrammetric Mapping Using Low-Cost Unmanned Aerial Vehicles in Coastal Areas	Communicating Water Safety: How to Make Rip Current Education Fun!	Modeling Storm Surge Suppression Impacts in Galveston Bay	Natural Infrastructure Initiative: Identifying Collaborative Opportunities for Natural Infrastructure and Nature Based Features	Regional Sediment Management: Utilization and Design Considerations for Channel to Victoria Beneficial Use Sites	Hybrid Cross-Shore and Longshore Shoreline Evolution Modeling for Probabilistic Assessment of Beach Erosion	The Seaweed is Always Greener in Someone Else's 'Ocean,' or What is the Process to Obtain a Beach Maintenance Permit?
Presenting Author	Laura Lemke, Stevens Institute of Technology	Amy Williams, Stevens Institute of Technology/New Jersey Sea Grant Consortium	Zachary Cobell, Arcadis	Safra Altman, USACE Engineer Research & Development Center	Steven Howard, U.S. Army Corps of Engineers	Uriah Gravois, University of Queensland	Rhonda Gregg-Hirsch, Atkins
11:50 am-12:10 pm	Removing the Vegetation Signature from Digital Elevation Models of Coastal Areas Surveyed by Unmanned Aerial System Photogrammetry	Engaging Texas Students in the Study of Coastal Environment	A Geomorphological Approach to the Resiliency of Texas Barrier Islands	Natural and Nature-Based Features (NNBF) Planning and Development Framework	Regional Sediment Management along the California Coast	Biloxi Marsh Shoreline Stabilization: Using Neural Networks to Simulate Water Levels	The Long Journey to Maintain Compliance While Updating Sargassum Management Tactics
Presenting Author	William Prouse, Texas A&M University	Tiffany Caudle, Bureau of Economic Geology, University of Texas-Austin	Juan Moya, Freese and Nichols Inc.	Jonathan Simm, HR Wallingford	John Dingler, U.S. Army Corps of Engineers	Craig Harter, Mott MacDonald	Jesse Ojeda, Park Board of Trustees of the City of Galveston, TX
12:10-12:30 pm	Assessing the Impacts of Beach Nourishment on the Oceanfront Areas of the Forsythe National Wildlife Refuge using Terrestrial LiDAR	South Padre Island Harmful Algal Bloom Monitoring: University of Texas RGV partners with Red Tide Rangers, TPWD, and NOAA	Any Port in a Storm	Using a Systems Approach in the Planning and Implementation of Natural and Nature-Based Features	Regional Sediment Budget Workflow and Tools	Hurricane Florence: How Several Non-Federal Storm Damage Reduction Projects Performed in North Carolina	
Presenting Author	Alex Ferencz, Stockton University Coastal Research Center	Shelby Bessette, University of Texas, Rio Grande Valley	Bill Hanson, Great Lakes Dredge and Dock	Denise Reed, University of New Orleans	Lauren Dunkin, USACE Engineer Research & Development Center	Ken Willson, APTIM	
12:30-2:30 pm	Awards Luncheon sponsored by Moffatt & Nichol						
2:30-3:50 pm	4A — Coastal Hazard Mapping & Analysis Tools	4B—Shoreline Response and Beach Nourishment Projects	4C — Technical Details of the Nation's Storm Surge Forecasting Capabilities	4D — Coastal Infrastructure Management	4E — Shoreline Management: Putting the 'Sand' in San Diego"	4F – Developing Tools to Facilitate Coastal Projects	4G — When Your Job Is a Day at The Beach
Moderator	Eve Eisemann	Tim Kana	Donald Cresitello	Frannie Bui	Sarah Pierce	Tara Marden	Jessica Winterwerp
2:30-2:50 pm	LiDAR Derived Beach Metrics in Texas Where Bathymetry is Not an Option	Two Nourishments and Two Hurricanes in Two Years: Morphologic Variability of Boca Raton Beach, FL	Storm Surge Forecasting for the Nation	Highways in the Coastal Environment	Sandy Solutions for Shoreline Management in the San Diego Region	Developing Sand Resource Estimates with the Marine Minerals Information System	City of South Padre Island; Parking Up the Wrong Street, a Six Sigma Solution
Presenting Author	Quin Robertson, APTIM	Tiffany Roberts Briggs, Florida Atlantic University	Donald Cresitello, U.S. Army Corps of Engineers	Scott Douglass, South Coast Engineers	Christopher Webb, Moffatt & Nichol	Kerby Dobbs, Bureau of Ocean Energy Management	Brandon Hill, City of South Padre Island, TX
2:50-3:10 pm	Strategy for Consistent, High-Resolution Elevation Data for Florida's Coastal Waters	Immediate Response of Different Beach Nourishment in Florida	NWS Storm Surge Ensemble Guidance	Analysis of Scour at a Coastal Rhode Island Bridge During Hurricane Sandy	Biological Monitoring of Large-Scale Beach Nourishment Projects in San Diego County	EIBs: A New Tool for Financing Shoreline Restoration & Coastal Resilience	Faneuil's Support to Toll Operations

Presenting Author	Cheryl Hapke, U.S. Geological Survey	Mathieu Vallee, University of South Florida	Arthur Taylor, National Weather Service/Office of Science and Technology/Meteorological Development Laboratory	Wendy Laurent, Taylor Engineering Inc.	Lawrence Honma, Merkel & Associates Inc.	Shannon Cunniff, Environmental Defense Fund	Andrew Clayton, Faneuil Inc.
3:10-3:30 pm	LiDAR Remote Sensing Data to Support Assessment of Risk Associated with Storm Events	Florida's Fight Against Sea Level Rise and Coastal Erosion	Real Time ADCIRC Modelling for Coastal Decision Support	Informing Decision-Making for Seaports to Promote Integrative Coastal Resilience	Regional Beach Restoration and Monitoring: SANDAG's Regional Beach Sand Project I and II	CERA: A Storm Surge Web Mapping Tool for Decision Makers	Volusia County, Florida: We pride Ourselves on Providing and Maintaining Public Access & Amenities Along 35 Miles of Beautiful Shoreline
Presenting Author	Coraggio Maglio, U.S. Army Corps of Engineers	Takefumi Takuma, Giken America Corp.	Jason Fleming, Seahorse Coastal Consulting	Jessica Frank, ORISE Research Fellow, U.S. EPA	Greg Hearon, Coastal Frontiers Corp	Carola Kaiser, Louisiana State University	Jessica Winterwerp, Volusia County (FL) Coastal Division
3:30-3:50 pm	UAS Post-Florence Federal Beach Surveys	Understanding and Mitigating Shoreline Response Following Inlet Migration or Closure	Gaussian Process Metamodeling for Efficient and Accurate Prediction of Coastal Hazards	Enhancing Resilience of our Nation's Defense Infrastructure: Naval Weapons Station, Seal Beach, California	Going Beyond Beach Nourishment: Next Steps for the San Diego Region	Assessing Impacts to Natural and Built Infrastructure from Hurricane Harvey with LiDAR and UAS	
Presenting Author	Alex Renaud, U.S. Army Corps of Engineers	Clifton Barrineau, Coastal Science & Engineering Inc.	Jeffrey Melby, U.S. Army Engineer Research & Development Center	Russell Boudreau, Moffatt & Nichol	Sarah Pierce, San Diego Association of Governments (SANDAG)	Melanie Gingras, Texas A&M University-Corpus Christi, Conrad Blucher Institute for Surveying and Science	
3:50-4:10 pm	Networking Break						
4:10-5:30 pm	5A — Design Concepts and Projects 1	5B — Dedicated Session: Local Funding Options	5C — Lessons Learned from Matthew, Harvey, Irma, Maria, etc. 1	5D — Coastal & Estuarine Resiliency 1	5E — Resilient Shoreline Solutions	5F— Regional Coastal Studies	5G — Why are Tourism and Marketing Important to my Beach Community?
Moderator	Steve Traynum	Peter Ravella	Alex Renaud	Bianca Charbonneau	Julie Rosati	Kim McKenna	Bryan Kunz
4:10-4:30 pm	Nature Enhanced Beach Erosion Management Techniques Design, Construction, and Maintenance: Village of West Hampton Dunes, NY	Waikiki: Past, Present and Future: An Example of Urban Beach Management Planning	Rapid response on the Texas coast: acquiring Post-Harvey lidar and imagery to assess storm impact and monitor recovery	A Resilient Massachusetts: How Massachusetts is Becoming the MVP of Resiliency	Using Green Infrastructure to Create Resilient Shorelines	Hawke's Bay New Zealand — Hazards, Research Investigations, and Management Strategies	Communicating When It Counts with the Public, AND Your Partners
Presenting Author	Aram Terchunian, First Coastal	Dolan Eversole, University of Hawaii Sea Grant	Jeffrey Paine Bureau of Economic Geology, The University of Texas-Austin	Lauren Klonsky, CDM Smith	Nigel Pontee, Jacobs	Paul Komar, Oceanography, Oregon State University	Meg Winchester, Galveston (TX) Convention and Visitors Bureau
4:30-4:50 pm	Louisiana Barrier Island Restoration: Design and Performance of Observations	Assessment Fee Funding Mechanism, Charlotte County, Florida	Impacts of Beach Access Points on the Vulnerability of Coastal Communities during Hurricanes	Integrating Economic, Land Use and Resilience Planning: Elizabeth City, North Carolina	Don't Throw It Away: Beneficial Use of Storm Debris for Beach and Vegetation Stabilization	Geomorphic and Environmental Parameters to Support Coastal Analysis	A Decade and a Half of Bringing 100,000+ K to Gray Learners into Direct Contact with our Coastal and Natural Resources on Galveston Island
Presenting Author	Lindino Benedet, APTIM	Peter Ravella, Peter A. Ravella Consulting LLC	Stephanie Smallegan, University of South Alabama	Scott Lagueux, Moffatt & Nichol	Tara Whittle, Texas General Land Office	Eve Eisemann, USACE Engineer Research Development Center	Karla Klay, Artist Boat
4:50-5:10 pm	Building Louisiana's Coastline: A Tale of Two Very Different Islands	Local Funding Model Case Study: Dare County, North Carolina	Comparison of Beach Changes Induced by Two Hurricanes along the Coast of West-Central Florida	Brunswick Town/ Fort Anderson: A Living Shoreline Alternative	Desktop Screening for Living Shoreline Opportunities for Chesapeake Bay TMDL Compliance in James City County	Shoreline Movement Along the Texas Gulf Coast, 1930s to 2016	Communicating the Value of Tourism
Presenting Author	Whitney Thompson, APTIM	Robert Outten, Dare County, NC	Jun Chen, University of South Florida, School of Geosciences	Phillip Todd, Atlantic ReefMaker	Daniel Proctor, Stantec	Jeffrey Paine, Bureau of Economic Geology, University of Texas-Austin	Kelly de Schaun, Galveston (TX) Park Board of Trustees
5:10-5:30 pm	Competing in the Beach Outfall Challenge	Sandbridge Beach Restoration Funding	Dynamics of Port Aransas-Corpus Christi Area Beaches Post-Hurricane Harvey	Phased Retreat, Resilience, and Recreation at Nauset Public Beach	North Carolina Dredge Acquisition Study	Beneficial Use Nearshore Berm Study, South Padre Island, Texas	Increasing Sporting Events at your Beach Parks (Driving Traffic)
Presenting Author	Kimberly Miller, Allen Engineering and Science	Phillip Roehrs, City of Virginia Beach, VA	Firat Testik, University of Texas-San Antonio	Adam Finkle, Woods Hole Group Inc	Johnny Martin, Moffatt & Nichol	Brandon Hill, City of South Padre Island, TX	Bryan Kunz, Galveston Island (TX) Convention & Visitors Bureau
5:30-7:00 pm	Volleyball Team Competition sponsored by Taylor Engineering						
Friday, November 2							

7:30-8:00 am	Coffee Hour						
8:00-9:20 am	6A — Design Concepts and Projects 2	6B — Performance of Nature Based Projects	6C — Panel Discussion: What's It Worth? The Valuation of Sand and Gravel Projects	6D — Green/Grey Infrastructure and Living Shorelines 1	6E— Coastal & Estuarine Resiliency 2	6F – Planning for Sea Level Rise and Reducing Risk	No G Sessions on Friday
Moderator	Quin Robertson	Richard Allen	Eric Poncelet	Scott Douglass	Heidi Wadman	Tayebeh Bakhsh	
8:00-8:20 am	How high and how strong should Mobile Bay Bayway Bridge be in 100 years?	Preliminary Observations from the USACE Field Research Facility One Year after the 2017 Duck Nourishment	This facilitated panel session will invite representatives from the Bureau of Ocean Energy Management, U.S. Army Corps of Engineers, State Agencies, local jurisdictions, and impacted stakeholders to discuss their different approaches to and valuation of sediment management. Moderator: Eric Poncelet, Ph.D., Kearns & West Panelists: Gordon Thomson, Baird & Associates Justin S. McDonald, Mobile District, USACE Doug Piatkowski, BOEM William Hanson, Great Lakes Dredge & Dock Joshua Carter, Mott MacDonald	Living Rock Breakwaters	How Much Sediment Was Delivered to Galveston Bay from Hurricane Harvey, Where Did It Come From and How Contaminated Was It?	Spatial Variability of Relative Sea Level Rise Along the Texas Coast	
Presenting Author	Victoria Curto, Mott MacDonald	Alexander Renaud, USACE-CHL Field Research Facility		David Buzan, Freese and Nichols Inc.	Victoria Bartlett, Texas A&M University-Galveston	Philippe Tissot, Texas A&M University-Corpus Christi	
8:20-8:40 am	Storm Surge Barrier Alternatives for Galveston Bay	Analysis and Design of Resilient, Nature-Based Protection for a Coastal Marsh Restoration Project		Cardiff Beach Living Shoreline Project, Encinitas, California	3x3x3 or 3x3x9: Comparison between USACE's SMART Planning Process and HUD's Rebuild by Design Post-Sandy Coastal Flood Resiliency Feasibility Study and EIS Project	Sea Level Rise and Storm Surge Vulnerability Analysis for the Texas Coastal Resiliency Planning	
Presenting Author	Muhammad Enam, Arcadis	Ryan Waldron, Neel-Schaffer Inc.		Conor Ofsthun, Moffatt & Nichol	Rahul Parab, Dewberry	Claire Pollard, Harte Research Institute for Gulf of Mexico Studies	
8:40-9:00 am	Natural Templates for Coastal Resiliency and Storm Protection: Cameron County, TX	The Dickinson Bayou Wetland Restoration-Adaptive Management Success		Oyster Reef Enhancement and Innovations Along the Texas Coast	Locally Funded Flood & Storm Damage Reduction Projects to Achieve Community Resilience: Dare County, NC	DHI MIKE Modeling for Coastal Flood Risk Reduction Strategy Development in Virginia Beach, VA	
Presenting Author	Steve Underwood, Neel-Schaffer Inc.	Jan Culbertson, Texas Parks and Wildlife Department		Cameron Perry, HDR Engineering	Kenneth Willson, APTIM	Xiaohai Liu, Dewberry	
9:00-9:20 am	Accurate Coastal Risk Assessment Leveraging Precomputed Hazards and Artificial Intelligence	Coastal Structures for Protection and Restoration of Mangroves: The Guyana Experience		The Historical Progression of Rock Breakwaters as Living Shorelines at Moses Lake in Texas City, Texas	Utilizing Unmanned Aerial Systems (UAS) for Monitoring Dredging-Induced Sediment Plumes in Environmentally Sensitive Waters	Modeling of Flood Hazards and Mitigation from Coastal Storm Surge, Riverine, Precipitation and Sea Level Rise	
Presenting Author	Jeffrey Melby, U.S. Army Engineer Research & Development Center	Ranata Robertson, University of Guyana		Taylor Nordstrom, AECOM	Daniel Barone, Michael Baker International	Tianyi Liu, GZA GeoEnvironmental Inc.	
9:20-9:40 am	Networking Break						
9:40-11:00 am	7A — Design Concepts and Projects 3	7B — Coastal Hazard Mapping & Analysis Tools	7C — Lessons Learned from Matthew, Harvey, Irma, Maria, etc. 2	7D — Green/Grey Infrastructure and Living Shorelines 2	7E – Sediment Tracing & Sediment Management	7F – Climate Smart Planning and Adaptive Management	No G Sessions on Friday
Moderator	Gordon Thomson	Cheryl Hapke	Doug Piatkowski	Cameron Perry	Kevin Black	Weston Cross	
9:40-10:00 am	Five Key Elements for a Sustainable Beach Nourishment Program	The Role of Sargassum Macroalgal Wrack in Reducing Coastal Erosion	Hurricane Ike Building Survival on the Bolivar Peninsula: The Importance of Freeboard	Living Shoreline and Island Restoration Case Study: Ocean City, New Jersey	On the Application of the Sediment Tracing Technique in Shoreline Management	Modeling to Inform Climate-Smart Habitat Restoration	
Presenting Author	Tim Kana, Coastal Science & Engineering Inc.	Rachel Innocenti, Texas A&M University	Spencer Rogers, North Carolina Sea Grant	Matthew Henderson, Anchor QEA LLC	Kevin Black, Partrac Ltd.	Matt Shultz, Woods Hole Group	
10:00-10:20 am	Winnapaug Pond Dredging and Beach Nourishment: From Contract to Construction in Four Months	Mapping Future Coastal Erosion Due to Sea Level Rise	Modelling Pluvial, Fluvial and Marine Flooding as a Result of Hurricane Irma for Jacksonville, Florida	Restoration	Lessons Learned from Two Inlet Management Studies in West-Central Florida	The Growing Importance of Adaptive Management in the Face of Climate Change	
Presenting Author	Jesse Baldwin, GZA GeoEnvironmental Inc.	Jeremy Mull, AECOM	Kees Nederhoff, Deltares	Cliff McCreedy, National Park Service	Ping Wang, University of South Florida	Natalie Snider, Environmental Defense Fund	
10:20-10:40 am	Waikiki Beach Emergency Erosion Control Using Rapid Deployment	Coastal Roads: Using Failure to Strengthen Resiliency	Coastal Resiliency: Multi-Tier Protection System & Risk Management Strategy... Six Category 4-5 Storms and 19 Years of Data	Geosynthetic Tubes in Response to Natural Hazards	Chasing Paleochannels for McFaddin's Beach Nourishment Sand Source	Adaptive Management and Innovative Coastal Engineering Methods for More Resilient Coastlines in the Face of Rising Seas	

Presenting Author	Thomas Stephens, TenCate	Garland Pennison, HDR	Robert Sloop, Moffatt Nichol	Robert Creel, Huesker Inc.	Beau Suthard, APTIM	Thomas Pierro, APTIM	
10:40-11:00 am	La Quinta Terminal Aquatic Habitat Mitigation Project	Hurricane Florence Effects and Preliminary Lessons Learned for Bogue Banks Beaches, NC			The Application of an Active Sediment Tracing Technique to Assess the Efficacy of Nearshore Placement of Dredged Material for Beach Nourishment Purposes	From the Sand They Rise: The Recolonization of Coastal Dune Blowouts Post-storm	
Presenting Author	Kyle McElroy, Mott MacDonald	Johnny Martin, Moffatt & Nichol			Jack Poleykett, Partrac Ltd.	Bianca Charbonneau, University of Pennsylvania	
11:00-11:10 am	AV Break						
11:10 am -12:30 pm	8A — Design Concepts and Projects 4	8B — No Session	8C — Regional Comprehensive Coastal Studies 4	8D— Green/Grey Infrastructure and Living Shorelines 3	8E – Improving Sediment Management	8F — Texas Coastal Management	
Moderator	Lindino Benedet		Jim White	Laura Lemke	Brandon Boyd	Cris Weber	
11:10-11:30 am	Hydrodynamic Forcing on a Dredge Material Beneficial-Use Mud Dike Adjacent to a Shipping Channel		The 2019 Texas Coastal Resiliency Master Plan	Paradise in Crisis: The Need for Nature-Based Solutions on Oahu's North Shore	A Coastal Sediment Crisis of Dust Bowl Proportions: Why We Need a New Deal for Beneficially Using Sediment	History of the Coastal Management Program (CMP)	
Presenting Author	William Fuller, Texas A&M University		Chris Levitz, AECOM	Robert Walker, Shoreline Science & Engineering LLC	Derek Brockbank, ASBPA	Sally Davenport, Texas Coastal Partners	
11:30-11:50 am	Ibom Deep Seaport Navigation Channel Design		Gulf of Mexico Shoreline Beach Monitoring Program, Baldwin and Mobile Counties, Alabama	Applying the 'Living Shoreline' Approach to California's High-Energy Bluff-Backed Coastline	Beneficial Use of Dredged Material Projects in Southern California	CMP Coastal Resources: The Argument for Creating a General Concurrence Before the Next Big Storm	
Presenting Author	Ephraim Paul, Akwa Ibom State University		Stephen Jones, Geological Survey of Alabama	Jeremy Smith, Moffatt & Nichol	Kim Garvey, Moffatt & Nichol	Jacquelyn Boutwell, Texas General Land Office	No G Sessions on Friday
11:50 am-12:10 pm	Mobile Harbor Federal Navigation Channel General Re-Evaluation Study: Examination of Vessel Generated Wave Energy in a Semi-Confined Channel		North Carolina Beach and Inlet Management Plan Update	Implementing Nature-Based Solutions for Coastal Highway Resilience	Increasing Sediment Management Efficiencies, A Local Sponsors Approach to Innovative Bypass and Backpassing Systems	The Texas Coastal Management Grant Program: An Overview and Success Stories	
Presenting Author	Richard Allen, U.S. Army Corps of Engineers		Nicole VanderBeke, Moffatt & Nichol	Scott Douglass, South Coast Engineers	Nic Kirk, Freese & Nichols Inc.	Julie McEntire, Texas General Land Office	
12:10-12:30 pm	Barbours Cut Dock Expansion & San Jacinto Marsh Restoration Project		The Louisiana, Mississippi & Alabama Coastal System (LMACS) Restoration Assessment & Planning Domain			Programmatic Approach to CZM in Texas	
Presenting Author	Mark Stroik, Atkins		George Ramseur Jr., Mississippi Department of Marine Resources			Julie McEntire, Texas General Land Office	
Bronze Sponsors	South Coast Engineers, Neel-Schaffer, Inc., Applied Technology & Management, Atkins, Partrac GeoMarine, Inc., Dannenbaum Engineering Corporation, Norfolk Dredging Company, Allen Engineering and Science, Inc., Manson Construction Co. , Weeks Marine, Inc., G.E.C. Inc., Waterway Surveys & Engineering, Lee County Visitor & Convention Bureau, City of Virginia Beach, GZA, SWCA Environmental Consultants, Galveston Island Park Board, Galveston Island Convention & Visitors Bureau, Dewberry, West Galveston Island Property Owners Association, NC Beach, Inlet, & Waterway Association, Beach Tech, Volkert, CDM Smith						
Exhibitors	Dune Doctors, Moffatt & Nichol, TenCate Geotube, Environmental Defense Fund, Naismith Marine Services, Inc., Coastal Engineering Consultants Inc., EarthBalance Corporation, Coastal Tech-G.E.C., Inc., Arcadis, Freese and Nichols, Bureau of Ocean Energy Management, Creative Pultrusions, Inc., ACCESSREC, LLC, Walter Marine, DMS Inc. – Deschamps Mats Systems, Inc., Huesker, Inc., HDR, Fugro, Eastman Aggregate Enterprises LLC, Giken America Corporation, Mott MacDonald, American Vibracore Services, Coastal News Today						
Other Item Sponsors	Applied Technology & Management, Texas Chapter, ASPBA, Coastal Science & Engineering, APTIM, HDR, AECOM, Dune Doctors, Anchor QEA, Callan Marine, Ltd., Michael Baker International						