

PIANC America 2023 - Program at a Glance - Monday April 24, 2023

Fort Lauderdale, Florida: 24-28 April 2022

Program Version 3.9 (2023-03-20)

MONDAY April 24, 2023	Off-Site Activity / BTV	Grand Salon A, B, C, D	Grand Salon E	Terra I & II	Gulf Stream A	Causeway I, II, III Gulf Stream B	Atrium	Reception Lobby	
0730-0830									
0830-1000									
1000-1030									
1030-1200									
1200-1300									
1300-1430	<p>BTV ACTIVITY 2-Reef Snorkeling Boat Trip (1:00 - 4:30pm)</p> <p>Ft. Lauderdale, FL has three natural reef systems which run parallel to the coast. The first reef line extends from the south end, near Hollywood, Florida, and extends north to Pompano Beach, Florida. This first reef line is where we enjoy our snorkeling activities, depths are generally between 15' – 30'. Our local snorkel reef, named the Fort Lauderdale Twin Ledges, is about ½ mile offshore.</p> <p>This natural coral reef is 7 feet at the shallowest point to 20 feet at the deepest. This beautiful South Florida snorkeling reef hosts a variety of colorful marine life. You will be absolutely amazed at the underwater world that lives just right off the Ft. Lauderdale Beach.</p> <p>Trip starts at 2:15 pm. The 2 ½ hour trip starts with a narrated tour through Millionaires Row on the Intracoastal Waterway to Port Everglades and then we head out to Ft. Lauderdale, Florida's beautiful ocean waters.</p>				<p>SHORT COURSE</p> <p>Sediment Beneficial Use in America: Generating Multiple Benefits in the Waterborne Transport Sector</p> <p>This short course will discuss the challenges and opportunities for sediment beneficial use in the waterborne transport sector. The short course will draw from two PIANC Environmental Commission(Env/Com) Working Groups: Working Group 176 on Working with Nature (WwN) and Working Group 214 on Sediment Beneficial Use. Both topics will be discussed as they relate to waterborne transport infrastructure and an international collection of case examples will be presented illustrating how projects can effectively create multiple benefits while using dredged sediment beneficially. Several projects that have used dredged sediment beneficially will be presented as examples of how WwN concepts can be applied in the Americas.</p> <p>Instructors: Burton Suedel (US Army Corps of Engineers); Victor Maga (Ramboll USA)</p>		Registration		
1430-1500									Registration
1500-1630									Registration
1630-1730									
1730-1930	<p>BTV ACTIVITY: South Port Raw Bar Happy Hour</p> <p>PIANC USA invites all Young Professionals (Under 40) to participate in a free Happy Hour at the South Port Raw Bar. Individuals must register for the BTV to participate in the Happy Hour and participants will be given a happy hour pass.</p> <p>Southport Raw Bar- where the dock side view is just as good as the food! The oldest raw bar in Fort Lauderdale and sell more oysters than anyone else. Outside seating with live music!</p>								

PIANC America 2023 - Program at a Glance - Tuesday April 25, 2023

Fort Lauderdale, Florida: 24-28 April 2022

Program Version 3.9 (2023-03-20)

TUESDAY April 25, 2023	Off-Site Activity / BTV	Grand Salon A, B, C, D, E	Grand Salon E	Terra I & II	Gulf Stream A	Causeway I, II, III Gulf Stream B	Atrium	Reception Lobby
0730-0830						Vendor Hall Open	Breakfast	Registration
0830-1000		<p>KEYNOTE SPEAKERS & WELCOME</p> <p>Welcome: Mr. Jim Walker (Conference Chair)</p> <p>Introduction: Mr. Joe Manous, PIANC USA</p> <p>Keynote #1: Honorable Michael Connor ASA(CW)</p> <p>Keynote #2: President Francisco Laffer, PIANC HQ</p> <p>Keynote #3: Mr. Jonathan Daniels, Port Everglades Director</p>				Vendors Hall Open		Registration
1000-1030						Coffee Break		Registration
1030-1200	<p>BTV ACTIVITY F3 Marina Fort Lauderdale and Dry Stacked Storage</p> <p>The F3 Marina and Dry Stack Storage facility has been called the future of the marina industry. Recently completed, it is the second fully automated dry stack marina in the United States and contains 240 vessels. The facility can store boats up to 46 feet in length, by 13-foot beams, and up to 30,000 pounds, all without human handling. It also offers first-class amenities for users.</p>	<p>ROUND TABLE #1: Near Term Needs and Opportunities for Marine and Inland Infrastructure Development</p> <p>Moderator: (1030-1040)</p> <p>COL James Booth, Commander of USACE Jacksonville District (1040-1055)</p> <p>COL Jeremy Chapman, Commander of USACE Mobile District (1055-1110)</p> <p>Jorge Duran, Inter-American Committee on Ports (CIP), Organization of American States (OAS) (1110-1125)</p> <p>Chris Connor, CEO of AAPA (1125-1140)</p> <p>Questions and Answers (1140-1200)</p>				Vendors Hall Open		Registration
1200-1300							LUNCH	Registration
1300-1430	<p>BTV ACTIVITY Port Everglades Tour</p> <p>Port Everglades is one of the most diversified ports in the US for handling different cargo types, including containers, dry and liquid bulk, and cruise passengers. It is estimated that the Port generates more than \$30 billion worth of business activity each year and supports 7,013 direct local jobs. The port continues to invest in berth upgrade, channel deepening, and environmental mitigation projects. Tour attendees will receive a guided tour of the port's operations as well as recent and ongoing berth improvements.</p>		<p>Technical Session 1A: Maritime Ports Moderator: Jon Armbruster</p> <p>Construction of Piled Quays Using The 'Land Infill' Method <i>Martin Hawkswood</i></p> <p>Resilience Assessment at a Container Terminal using Probabilistic Networks <i>Martin T. Schultz</i></p> <p>Floating pontoons for tugboats, the case of Tanger Med in Morocco <i>Francisco Serraz</i></p> <p>PIANC WG194 – A Framework for Early Contractor Involvement in Marine Infrastructure Projects <i>John Lally</i></p>	<p>Technical Session 2A: Inland Waterways: Navigation Locks Moderator: Calvin Creech</p> <p>Assessing remote lock operations on U.S. Army Corps of Engineers inland waterways <i>Michael Torrey</i></p> <p>Proeciusus Brazil - National Locks Recovery, Operation, Maintenance and Management Program <i>Wiene Carlinh e Santos</i></p> <p>New Lock at the Sao <i>Darin White and Mollie Mahoney</i></p> <p>Brandon Road Interbasin Project <i>John T. Behrens</i></p> <p>Advanced Visualization Tools for Navigation Lock Design <i>Gary Grunwald Jr.</i></p>	<p>Technical Session 3A: Nexus of Waterfront Development, Marina Planning and Environmental Sustainability Moderator: Jack Cox</p> <p>Sustainability and Resilience Principles for Marina Planning. PIANC WG 148 and Beyond. <i>Esteban Biondi</i></p> <p>Design Solutions for Waterfront Resilience <i>William Bruhn</i></p> <p>Ecosystem-based Marina development <i>Gosse de Boer</i></p> <p>Lessons from a World-Class Waterfront Redevelopment – The District Wharf, 5 Years In. <i>Robert Sloop</i></p>	Vendors Hall Open		Registration
1430-1500						Coffee Break		Registration
1500-1630			<p>Technical Session 1B: Maritime Ports Moderator: Liz Collins</p> <p>Designing the Substructure to Support the World's Largest Mobile Boat Hoist <i>Jonathan A. Cunningham</i></p> <p>Practical Considerations for Seismic Design and Detailing of Pile-supported Piers and Wharves based on PIANC and ASCE 61 Guidelines <i>Carlos E. Ojano</i></p> <p>Assessing Marine Borer Activity and Internal Decay in Timber Utilizing an Underwater Resistance Drill <i>Brad Koch</i></p> <p>Innovative applications of Cutter soil mixing/Geomix technique as seabed soil improvement <i>Jordan Lagnado</i></p>	<p>Technical Session 2B: Inland Waterways: Navigation Structures Moderator:</p> <p>Damage diagnosis of miter gates using camera-based structural health monitoring <i>Travis Rilleme</i></p> <p>Reliability of Phased Array Ultrasonic Testing (PAUT) for Detection and Sizing of Discontinuities in Hydraulic Steel Structures (HSS) of Navigation Locks <i>Martin T. Schultz</i></p> <p>Advances in Structural Health Monitoring of US Army Corps Navigation Locks <i>Brian Eck</i></p> <p>Design for Ship Collision with Bridges using AASHTO and CAN/CSA S6: Clarifications and Recommendations <i>Julian Cajoao</i></p> <p>Fatigue Repair of Underwater Navigation Steel Structures using CFRP <i>Guillermo A. Rivera</i></p>	<p>Technical Session 3B: Infrastructure Sustainability Moderator: Sandra Knight</p> <p>Sustainability and Marine fenders <i>Marco Gaol</i></p> <p>Operation of hydraulic engineering structures <i>Gabriele Peschken</i></p> <p>Combination Wall Systems for Terminal Bulkhead Construction <i>Rosemarie McClure</i></p> <p>Advancing Concrete Sustainability <i>Stephen Soble</i></p>	Vendors Hall Open		Registration
1630-1730						Exhibition Hall Refreshments		
1730-1930	<p>BTV ACTIVITY Water Taxi</p> <p>PIANC USA Invites all Young Professionals to enjoy a Water Taxi and Happy Hour on the Intracoastal Waterway.</p> <p>What could be more convivial than a scenic cruise on the Intracoastal with family, friends, or colleagues? The shimmering water and spectacular skyline make a picture perfect setting for private events of any nature.</p>							

PIANC America 2023 - Program at a Glance - Wednesday April 26, 2023

Fort Lauderdale, Florida: 24-28 April 2022

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WEDNESDAY April 26, 2023	Off-Site Activity / BTV	Grand Salon A, B, C, D	Grand Salon E	Terra I & II	Gulf Stream A	Causeway I, II, III Gulf Stream B	Atrium	Reception Lobby
0730-0830						Vendor Hall Open	Breakfast	Registration
0830-1000			<p>Technical Session 1C: River and Coastal Information Systems Moderator: Sabina Malins</p> <p>The implementation of River Information Services in the United States <i>Gerald Thornberry</i></p> <p>Design of a Voyage Management System for the St. Lawrence Seaway Leonard Ray Swift</p> <p>River Information Services Enterprise - A Framework for Inland Waterway Digital Infrastructure <i>Joseph Celmo</i></p> <p>A Web-Based Regional Economic Simulation Tool for USACE Civil Works Programs Dona Abou-El-Soud</p> <p>Shipper Response Surveys and their importance in the Evaluation of US Inland Waterways Kevin Knight</p>	<p>Technical Session 2C: Navigation Locks Moderator: Dave Ramirez</p> <p>Salinity Intrusion Challenges and Mitigation Measures at the Neopanamax Locks <i>Carlos Iz</i></p> <p>Measuring and Visualizing Salinity Intrusion Within the Panama Canal Julie Smith</p> <p>Design of a High Flow Air Curtain for Brash Ice Retention in Strong Ambient Crossflow <i>Iqbal Singh Bhat</i></p> <p>Effectiveness of a Forced Air Bubble System at Clearing Entrained Live Fish Between Barge Junctions Ross Tuttle</p> <p>Design of Longitudinal Air Bubbler System Inside Ship Lock <i>Iqbal Singh Bhat</i></p>	<p>Technical Session 1B: Climate Change Moderator: Leonard Barrera Allen</p> <p>Long Term Trends in Sea Level Experienced at 30 Sites in Coastal Louisiana Matt Dickson</p> <p>Impacts of Climate-Driven Changes in Storm Surges and Waves on Shore Protection at the Port of Prince Rupert, Western Canada <i>Fred Murphy</i></p> <p>ISAT: The Interagency Water Working Group Science & Applications Team Taylor S Cogle</p> <p>Waterfront Design Solutions for Climate Change Resilience Rosemarie McClure</p> <p>Using NOAA's Environmental Sensitivity Index Data to Support Climate-Smart Planning and Response Aaron Parker</p>	Vendor Hall Open		Registration
1000-1030						Coffee break		Registration
1030-1200	<p>BTV Activity Port Miami</p> <p>PIANC USA invites all Young Professionals to participate in the Bi-ennial Technical Visit to the Port of Miami.</p> <p>Port Miami not only contributes more than \$43 billion annually to the Miami-Dade County local economy, but it also is the major hub for the cruise industry. The Port is known as the Cruise Capital of the World given its geographic position to the Caribbean, Latin America, and European Markets. Easy access to Asia via the Panama Canal extends the Port's reach. More cruise passengers are welcomed to their terminals than any other port in the world. Tour attendees will receive a guided tour of the port's operations as well as recent and ongoing cruise terminal improvements.</p> <p>Tour includes: - Transportation to and from Miami - Box Lunches - Tour of the Port of Miami Facilities</p> <p>Buses will return to the Embassy Suites by 4pm.</p>	<p>ROUND TABLE #2: Innovations and Perspectives of the Cruise Industry in the Americas</p> <p>Jim Walker, Moderator (1030-1040)</p> <p>Jonathan Ruiz, Royal Caribbean Group (1040-1110)</p> <p>Jonathan Daniel, Port Everglades (1110-1125)</p> <p>Russell Benford, VP, Royal Caribbean Group (1125-1140)</p> <p>Questions and Answers (1140-1200)</p>				Vendor Hall Open	Registration	
1200-1300							LUNCH	Registration
1300-1430						Vendor Hall Open		Registration
1430-1500						Coffee Break		Registration
1500-1630						Vendor Hall Open		Registration
1630-1730						Exhibition Hall Refreshments		
1730-2100	<p>Reception Dinner</p> <p>PIANC USA invites all participants to the reception dinner at the Funky Buddha Brewery.</p> <p>Activities include: - Brewery Tour - Dinner - Beer tasting</p>							

PIANC America 2023 - Program at a Glance - Thursday April 27, 2023

Fort Lauderdale, Florida: 24-28 April 2022

Program Version 3.9 (2023-03-20)

THURSDAY April 27, 2023	Off-Site Activity / BTV	Grand Salon A, B, C, D	Grand Salon E	Terra I & II	Gulf Stream A	Causeway I, II, III Gulf Stream B	Atrium	Reception Lobby
0730-0830						Vendor Hall Open	Breakfast	Registration
0830-1000	No Offsite Activities on Thursday April 27	<p>ROUND TABLE #3: <i>Regional Sediment Management</i> Moderator: Laurel Reichold</p> <p>Evaluating Sediment as a Resource and Quantifying Value <i>Soupy Dolyander, The Water Institute of the Gulf</i></p> <p>Regional Sediment Management; Dutch Experiences and Possible Applications in Port Everglades <i>Luitze Park, WaterProof Marine Consultancy LLC</i></p> <p>Development of New PIANC Guidance for the Beneficial Use of Dredged Material <i>Burton Suedel, USACE EROC</i></p> <p>Beneficial Use of Dredged Material - Habitat Creation Case Studies in the Southeastern United States <i>Heidi Anderson, Applied Technology Management</i></p>				Vendor Hall Open		Registration
1000-1030						Coffee Break		Registration
1030-1200			<p>Technical Session 1F: <i>Applications of Fender Design</i> Moderator: Jeff Oskamp</p> <p>How a proper design of reliable marine fender systems ensures smooth and safe operations at ports, waterways and marinas <i>Dominique Polte</i></p> <p>Establishing Site-specific Load Factors for Fender Loads using LRFD Methodology <i>Rune Iversen</i></p> <p>Fenders in Tough Environments <i>Marco Gaal</i></p> <p>Fender Systems Optimization Study at the Port of Corpus Christi <i>Carlos E. Ospina</i></p> <p>Recommendations for Fender Testing in PIANC WG 211 <i>Kousik Kumar Mishra</i></p>	<p>Technical Session 2F: <i>Inland Waterways: Navigation Locks</i> Moderator: Simon Hemilford</p> <p>St-Lawrence Seaway Canal - Locks and Bridges Operation Training Simulator <i>Simon Hemilford</i></p> <p>Illinois Waterway Consolidated Closure Major Maintenance Program <i>Thomas E. Mack</i></p> <p>Hands Free Mooring for United States Inland Waterway Locks <i>Allen Hammack</i></p> <p>Specification, Design, and Impact Analysis of a GFRP Spillway Lift Gate <i>Peter Stynowski</i></p>	<p>Technical Session 3F: <i>Environmental Sustainability</i> Moderator: Michal Judovits</p> <p>Ecologically Engineered Solutions for Resilient Port Infrastructure <i>Michal Judovits</i></p> <p>Development of New PIANC Guide on Sustainable Inland Waterways <i>Burton Suedel</i></p> <p>PIANC Working Group 236: Sustainable Management of the Navigability of Natural Rivers <i>Calvin Creech</i></p> <p>Propeller Wash Model to Predict Resuspension and Redistribution of Contaminated Sediments Induced by Ship Traffic <i>Jeffrey Y. Jung</i></p>	Vendor Hall Open		Registration
1200-1330		<p>Plated Lunch (1200-1240) Speaker Introduction (1240-1245)</p> <p>Mr. Michael Britton, Managing Director, Sealand a Maersk Company (1234-1315)</p> <p>Closing, Mr. Jim Walker (1315-1330)</p>						Registration
1330-1500			<p>Technical Session 1G: <i>Maritime Ports</i> Moderator: Kris Pagan</p> <p>Port Master Planning process: analysis of existing guidelines in light of Bahia Blanca Master Planning experience. <i>Vincent Besson</i></p> <p>PIANC WG 231 Mooring Bollards & Hooks - Progress Update <i>Adrian N. Pearson</i></p> <p>Garry Point Park: Ship-generated Wave Study <i>Jeffrey Oskamp</i></p> <p>Considerations and Lessons Learned from the Construction of a New Downtown Passenger Ferry Terminal in San Francisco, California <i>William Bruhn</i></p>	<p>Technical Session 2G: <i>Navigation Locks</i> Moderator: Jemie Dababneh</p> <p>The utilization of Applied Hydraulics (AdH) software in the design of upper/lower navigational guard walls for a new lock on the Ohio River <i>Jemie Dababneh</i></p> <p>The utilization of LockSim and computational fluid dynamics (CFD) in the design of filling/emptying system of a new navigational lock on the Upper Ohio River <i>Jemie Dababneh</i></p> <p>Montgomery Lock Navigation Approach Physical Model Study <i>Allen Hammack</i></p> <p>Montgomery Lock Filling and Emptying System Physical Model Study <i>Allen Hammack</i></p>	<p>Technical Session 3G: <i>Recreational Marinas</i> Moderator: Esteban Biondi</p> <p>Optimization of Off Shore Segmented Breakwaters Using a 3D Physical Model <i>Nick Stefani</i></p> <p>Optimal Design of a Slotted Wavescreen Breakwater: A Numerical-Physical Model Analysis <i>Edwin Rajeev</i></p> <p>Design Considerations for Shoreline Developments in Urban Environments <i>Maximo Argo</i></p> <p>Prince Rupert Port Authority Transforms Local Waterfront Into Environmentally Sustainable Landmark: A Case Study of the Seal Cove Salt Marsh Habitat Restoration Project <i>Dario A. B. Siranni</i></p>	Vendor Hall Open		Registration