

**PIANC USA
COPRI ASCE**

Onsite Program

**2015
Dredging**



Moving and Managing Sediments

Savannah, Georgia, U.S.A.
October 19-22, 2015
Hyatt Regency

Schedule at a Glance

Monday, October 19, 2015

On-site Registration Open
7:30 am – 6:30 pm
Second Floor

Exhibit Hall Set Up
12:00 – 5:00 pm
Harborside Center

Short Courses
8:00 am – 5:00 pm
Second Floor

Young Professional Networking Reception –
invitation only!
5:00 – 6:00 pm
Windows Restaurant on the Lobby Level
Sponsored by Cashman Dredging & Marine
Construction Co., LLC

Conference Opening Reception
6:00 – 8:00 pm
Exhibit Hall, Harborside Center

Tuesday, October 20, 2015

Breakfast in the Exhibit Hall
7:30 – 8:30 am

Exhibit Hall Open
7:30 am – 3:30 pm

Opening Plenary Session:
8:30 – 10:00 am
Regency Ballroom, Second Floor
Keynote Speaker:
John Tavoraro, USACE, ret. “Dredging: Past
Accomplishments and Future Challenges”

Morning Break
10:00 – 10:30 am
Exhibit Hall
Sponsored by Moffatt & Nichol

Breakout Technical Sessions
10:30 am – 5:00 pm
Lobby Level

Lunch
12:00 – 1:30 pm
Exhibit Hall
Sponsored by Weeks Marine, Inc.

Afternoon Break
3:00 – 3:30 pm
Exhibit Hall
Sponsored by Tetra Tech

Wednesday, Oct 21, 2015

Breakfast in the Exhibit Hall
7:30 – 8:30 am

Exhibit Hall Open
7:30 am – 3:30 pm

Breakout Technical Sessions
8:30 am – 5:00 pm
Lobby Level

Morning Break
10:00 – 10:30 am
Exhibit Hall
Sponsored by Moffatt & Nichol

Lunch
12:00 – 1:30pm
Exhibit Hall
Sponsored by Weeks Marine, Inc.

Engineering Ethics Course
1:30 – 3:30 pm
Plimsoll Room, Lobby Level

Afternoon Break
3:00 – 3:30 pm
Exhibit Hall
Sponsored by Tetra Tech

Young Professional Networking Reception –
invitation only!
6:00 – 7:00 pm
Joel's Crab Shack, 504 E. River Street
Sponsored by Cashman Dredging & Marine
Construction Co., LLC

Thursday, October 22, 2015

Breakfast in the Exhibit Hall
7:30 – 8:30 am

Exhibit Hall Open
7:30 – 10:30 am
(Breakdown 11:00am – 5:00pm)

Breakout Technical Sessions
8:30 am – 12:00 pm
Lobby Level

Morning Break
10:00 – 10:30 am
Exhibit Hall

Closing Plenary Luncheon: Panel on
“Public-Private Partnerships (P3) for the
Nation's Inland Marine Transportation
System – Focus on Dredging”
12:00 – 2:00 pm
Regency Ballroom, Second Floor
Sponsored by Georgia Ports Authority

Tours
3:00 – 5:30 pm



Letter from the Conference Chair

On behalf of myself and the PIANC/COPRI Dredging 2015 Conference Organizing Committee, welcome to Savannah and the fifth installment of the Dredging conference. Starting back in 1984, contractors, consultants, equipment manufacturers, regulatory and resource agency personnel, and navigation users have been gathering about every 10 years to share their experiences with all things dredging. The 2015 Dredging conference brings us together a quick three years since we met in San Diego, but so much has happened in this business during that time that we will have plenty to talk about over the next four days.

Personally this is a bittersweet event, as I know it is for many of you as well. Bob Engler was the driving force behind the revitalization of the Dredging conference series and was instrumental in setting the cutterheads in motion back in 2012 so that we could be meeting this week. His lasting influence has helped us through the final few months of planning, and I know will be felt throughout the meeting rooms and exhibit hall. I wish everyone an enjoyable and memorable conference experience.



Stephen Garbaciak Jr., PE,
Foth Infrastructure & Environment, LLC
Conference Chair

Welcome to Historic Savannah, Georgia, USA

October is an ideal time of year to visit the beautiful and historic southern city of Savannah. The conference venue was chosen specifically for its prime waterfront spot along the Savannah River on River Street, known for its century old buildings, once cotton warehouses, which have been converted to antique shops, distinctive boutiques, spectacular galleries, quaint brew pubs, fabulous restaurants, and unique nightspots. If you have any questions about local tours or recommended eating destinations, please check with the Hyatt hotel concierge in the conference hotel lobby.

Conference Technical Committee

Sabine Apitz, *WCA Environment*
Jason Ball, *Moffatt & Nichol*
Jamie Beaver, *EA*
Todd Bridges, *USACE*
John Childs, *USACE*
James Clausner, *P.E.*
Mike Crystal, *1Sevenson*
Walter Dinicola, *Anchor QEA*
Tim Donegan, *Sevenson*
Susan Durden, *USACE*
Mike Erickson, *ARCADIS*
Alan Fowler, *Environ*
Paul Fuglevand, *Dalton, Olmsted & Fuglevand*
Rebecca Gardner, *Anchor QEA*
Joan Gerhardt, *Behan Communications*
Mark Gravelding, *ARCADIS*
Bill Hanson, *Great Lakes Dredge and Dock*
Don Hayes, *UNLV*
Barry Holiday, *Dredging Contractors of America*
Gary Loveland, *Terra*
Stu Messur, *Anchor QEA*
Mahmood Naghash, *Bechtel*
Rob O'Neal, *Epsilon Associates*
Mike Ott, *USACE*
Robert Randall, *TamU*
Ed Russo, *USACE*
Phil Spadaro, *The Intelligence Group*
Eric Stern, *Integrated Sediment Management*
Andrew A. Timmis, *Jay Cashman, Inc.*
Steve Truchon, *Shell*
Rich Weber, *NRT*
Tim Welp, *USACE*

Staff

Kelly Barnes, *USACE/PIANC*
Anne Cann, *USACE/PIANC*
Tom Chase, *COPRI/ASCE*
Angie Lander, *COPRI/ASCE*

Conference Venue

Hyatt Regency Savannah
2 W. Bay Street
Savannah, Georgia, USA, 31401
Tel: +001-912-238-1234

CONFERENCE ORGANIZERS



PIANC USA

PIANC USA was organized in 1902 with the U.S. Army Corps of Engineers serving as the Secretariat located at the Institute for Water Resources in Alexandria, VA. Its goal is to advance the sustainable development of shallow and deep-draft navigation issues including dredging and dredged material disposal, navigation and port infrastructure, recreational navigation and related environmental matters.

www.pianc.us



COPRI

Created in 2000, the Coasts, Oceans, Ports, and Rivers Institute (COPRI) is a semi-autonomous institute of the American Society of Civil Engineers (ASCE), the country's oldest national engineering society. COPRI's services are designed to complement ASCE's traditional civil engineering base, and to attract new categories of members (non-civil engineer allied professionals) who seek to enhance their professional and technical development.

www.coprinstitute.org

Conference Highlights

Technical Short Courses

Monday, October 19

Separate registration required; on-site registration is available.

Environmental Evaluations of Dredged Material to Establish Management Options

8:00 am – 5:30 pm

Ballroom B

Course Organizer:

David Moore, Ramboll Environ, **Jack Word**, Ramboll Environ, and **Todd Bridges**, USACE-ERDC

Sustainable Sediment Solutions for Ports and Waterways

8:00 am – 12:00 pm

Ballroom F

Course Organizer:

William McAnally, Engineering Research Professor Emeritus at Mississippi State University and Chair of the COPRI Navigation Engineering Committee

Tidal Datums: Theory, Methodology, Updating Epochs, and Their Importance to Dredging and CEPD Efforts
8:00 am – 12:00 pm

Ballroom E

Course Organizer:

Laura Rear McLaughlin, NOAA (CO-OPS)

Design of Geotextile Tubes for Dewatering Dredged Material
8:00 am – 12:00 pm

Ballroom D

Course Instructor:

Douglas A. Gaffney, P.E., Hatch Mott MacDonald

Designing for Coastal Protection, Beneficial Use of Dredged Materials and Sediment Dewatering with Geotextile Tubes

1:00 – 5:00 pm

Ballroom D

Course Instructors:

Julie Kucera, Flint Industries, **Michael Whelan**, Taylor Engineering, and **Karyn Erickson**, Erickson Consulting Engineers

Crash Course in Modeling Bioaccumulation Risk Assessments for Open-water Disposal

1:00 – 5:00 pm

Ballroom E

Course Instructor:

Jason C. Seitz, ANAMAR Environmental Consulting

Special Workshop – Get Ethics PDHs!

Wednesday, October 21

Engineering Ethics Session – “Ethics, Engineers and Experts: To Whom Do You Owe What and Who Is Your Master?”

1:30 – 3:30 pm

Plimsoll Room, Lobby Level

Earn 2 Ethics PDHs

Cost: FREE

The course is being taught by San Diego practicing lawyer Kenneth A. (Budd) Goodwin who is licensed in CA and LA, is a graduate of USNA (BS in Engineering), and is a 6-year public member of the Bd. of Trustees of AAWRE; and Michael A. Ports, PE, PH, D. WRE, D. NE, BCEE and a Principal of Ports Engineering, Jacksonville, FL. There will be handouts

and extensive time devoted to discussions and Q&As. ACOPNE is the Academy of Coastal, Ocean, Port and Navigation Engineers, which is an elite group comprised of nearly 200 Diplomates who have gone through many years of training and experience to become eligible for Board Certification. The Academy is a way to recognize engineers who have a special knowledge and experience in the fields of civil engineering that comprise ACOPNE.

www.acopne.org

Sponsored by



The Honorable Jo Ellen Darcy



Major General Donald Jackson



Mr. John Tavoraro

Plenary Sessions

Tuesday, October 20

Opening Plenary Session

8:30 – 10:00 am

Regency Ballroom, Second Floor

We look forward to seeing you at the Opening Plenary Session on the first morning of the conference. The program will include remarks by The Honorable Jo-Ellen Darcy, ASA-CW, Chairperson of PIANC USA, as well as Major General Donald Jackson, USACE DCG-CEO, President of PIANC USA, as well as a tribute to Robert Engler, Ph.D.

Keynote Speaker:

John F. Tavoraro, USACE ret., “Dredging: Past Accomplishments and Future Challenges”

Thursday, October 22

Closing Plenary Luncheon

12:00 – 2:00 pm

Regency Ballroom, Second Floor

Sponsored by



Join us for a seated lunch as we to mark the end of this year’s conference. You will briefly hear from industry leaders including from the Georgia Ports Authority, but the main discussion will feature the following panel of experts:

P3 for the Nation’s Inland Marine Transportation System – Focus on Dredging

- **Dennis Lambert, PE, COWI North America, Inc.**, Chair of ASCE COPRI P3 for Waterways Infrastructure Subcommittee
- **Edward Belk**, US Army Corps of Engineers
- **Whitford Remer**, American Society of Civil Engineers
- **Richard Ornitz**, InfraLynx Capital

The panel will describe the approach, opportunities, and impediments to P3 partnerships as applied to the Inland Marine Transportation System, with a focus on dredging-related case studies and lessons learned on what is required for its successful implementation. There will be time for questions and discussion.

Conference Program

Tuesday, October 20

Time	Track A Scarborough 1	Track B Scarborough 2	Track C Scarborough 3	Track D Scarborough 4
10:30 – 12:00	<p>Session 1A Moderator Mike Ciarlo</p> <p>A History of the Savannah River by Jason O'Kane</p> <p>The Savannah Harbor Expansion Project by Mackie McIntosh</p> <p>Savannah Harbor Expansion Project – Simulating Future Conditions in the Harbor by Steven Davie</p> <p>Georgia Ports Authority – Preparing for the Future by James McCurry, Jr</p>	<p>Session 1B Moderator Gary Loveland</p> <p>Utilization of Acoustic Telemetry to Monitor Fish Response to Dredging in a Shoal Habitat by Jennifer Culbertson</p> <p>Effects of Suspended Sediment on Early Life Stages of Smallmouth Bass by Burton Suedel</p> <p>Oil Spill Response and Residuals Remediation in Freshwater Marsh Environment, AR by Michael Erickson</p> <p>Readily Biodegradable Solutions Meet Regulatory Challenges for Dredging Operators by Matt Houston</p>	<p>Session 1C Moderator Jim Clausner</p> <p>Towards Sustainable Solution for Sedimentation Problem in Bengkulu Port by Apriyanto Kosindratno</p> <p>A Lawyer's Update on Sustainable Dredged Material Management in NY and NJ by Matthew Jokajtys</p> <p>Dredging and Beach Nourishment: A sustainable sediment Management Approach in Costa da Caparica Beach , Portugal by Celso Pinto</p> <p>Sustainably Managing Sediments in the Face of Climate Change by David Moore</p>	<p>Session 1D Moderator Paul Fuglevand</p> <p>The Owner's Perspective: Risk, Stakeholder Involvement and Remedy Selection by Brian Anderson</p> <p>Duwamish Waterway Early Action – Engineering Perspective – R1 to Implementation by Robert Webb</p> <p>Duwamish Waterway Early Action – Implementation – Lessons Learned, NEWT and Adaptive Management from the Engineer in the Cab by Teal Dreher</p> <p>Boeing Plant 2 Sediment Remedial Investigation and Geospatial Modeling by Clifford Whitmus</p> <p>Natural Resource Damage Compensatory Mitigation Integrated with Sediment Cleanup by Clifford Whitmus</p>
12:00 – 1:30	Lunch in the Exhibit Hall			
1:30 – 3:00	<p>Session 2A Moderator Jamie Beaver</p> <p>Florida Inland Navigation District Dredged Material Management Planning by William Aley</p> <p>Confined Disposal on Lake Erie: An Urban Landscape Perspective by Sean Burkholder</p> <p>Dredging Operations and the Potential Impacts of Underwater Sound by Philip Spadaro</p> <p>Beneficial Use of Dredged Material from the Savannah River – Offshore Island construction by Lyle Maciejewski</p>	<p>Session 2B Moderator Don Hayes</p> <p>Better than Expected: Water Quality Monitoring Results from Dredging and Bridge Construction Activities, Weymouth, MA by Maria Hartnett</p> <p>Environmental Monitoring and Control of Sediments around Dredging and Reclamation Works, UK by Kevin Black</p> <p>Evaluating Impacts of Ocean Disposal of Dredged Material on Essential Fish Habitat in SE US by Christopher McArthur</p> <p>Addressing Potential Risks to Human Health and the Env. from Dredged Material Disposal with Models by Jason Seitz</p>	<p>Session 2C Moderator Anne Cann</p> <p>Sediment Is Not a Problem by Dr. Dietrich Bartelt</p> <p>Long-term Turbidity Changes as a Result of Deepening and Sediment Disposal by Dirk Sebastiaan van Maren</p> <p>The Coast Guard Waterways Program as it relates to Dredging and Public Interaction by LT Christopher McElvaine</p> <p>Nautical Depth for US Navigable Waterways: A Review by William McAnally</p>	<p>Session 2D Moderator Jason Ball</p> <p>Understanding Your Reference Datum – It Can Be a Cost Saver! by Laura Rear McLaughlin</p> <p>Obtaining a Federal Assumption of Maintenance for Channels in a Wetland Environment by Joseph Berlin</p> <p>Construction Aspects of Deepening and Widening the Bayport and Barbour's Ship Channels by Ashley Judith</p>
3:00 – 3:30	Refreshment Break			
3:30 – 5:00	<p>Session 3A Moderator Walter Dinicola</p> <p>Ground Improvement for Redevelopment of Former CDF for Boutique Hotel by Aaron Goldberg</p> <p>Innovations in Dredged Material Management on the Great Lakes by David Bowman</p> <p>PSDDF for Confined Disposal and Coastal Restoration by Navid Jafari</p> <p>Commencement Bay Superfund Multiple CDFs – Designs and Longterm Performance Evals by Philip Spadaro</p>	<p>Session 3B Moderator Don Hayes</p> <p>Egmont Key Beneficial Reuse for Purposeful Placement of High Silt Dredged Material by Coraggio Maglio</p> <p>Port Miami Phase III: Environmental Monitoring, Mitigation and a Dash of Dredging by Martha Robbart</p> <p>Port Miami Phase III: Mitigative Artificial Reefs for a Post-Panamax Port by Jesse Davis</p> <p>Can Coral Reefs and Large-Scale Dredging Projects Coincide? by William Precht</p>	<p>Session 3C Moderator Anne Cann</p> <p>Monitoring and Adaptive Management in Dredging Projects by James Matt Jury</p> <p>Facilitating Access to Dredging Information: 2 Case Studies by Dawn Smorong</p> <p>Sediment Management Strategies: Understanding the Role of Ambient Levels in Beneficial Reuse by Bridgett DeShields</p> <p>Substrates, Sediments, and Sturgeon at Savannah Harbor by Jason Evert</p>	<p>Session 3D Moderator Kelly Barnes</p> <p>Recovery of the CSS Georgia, Savannah Harbor Expansion Project by Stephen James</p> <p>A Cultural Landscape Approach to Sustaining Port Historic Resources by Ellen Johnck</p> <p>Fig Island, South Carolina: A Meeting of the Minds on Archaeology and Navigation by Susan Durden</p> <p>Harbor Planning and Beneficial Use Strategy for a Cultural Resource Perspective: Mobile Harbor by Allen Wilson</p>

Wednesday, October 21

Time	Track A Scarborough 1	Track B Scarborough 2	Track C Scarborough 3	Track D Scarborough 4
8:30 – 10:00	<p>Session 4A Moderator Ken Potrykus</p> <p>Deepening of the Intracoastal Waterway in Palm Beach County, Florida by Lori Brownell</p> <p>Managing Dredging Works on the Tidal River Thames by Josh Harris</p> <p>Streamlined Development of Improved Air Pollutant Emissions Estimates, the Dredge Emissions Calculator by Tim Stoeckenius</p> <p>NEPA, Suggested Process Improvements for Large and Complex Projects by David Moore</p>	<p>Session 4B Moderator Paul Doody</p> <p>The Eau Gallie River and Elbow Creek Muck Dredging Project, design, permitting by Jonathan Armbruster</p> <p>Great Lakes Dredged Material Used for Habitat Creation/Restoration Projects by Gene Clark</p> <p>Adjusted Approach and Sed. Core Re-sampling to Improve performance at Hudson River by Mark Surette</p> <p>Dredging Works! Precision Methods for Contaminated Sediment by Connor Lamb</p>	<p>Session 4C Moderator Edmond Russo</p> <p>Risk Management for Navigation Dredging by Burton Suedel</p> <p>Dredging Around Sensitive Areas and Species: PIANC WGs 108, 157, 170 by James Matt Jury</p> <p>Working with Nature for Sustainable Practice by Paul Scherrer</p> <p>Ecosystem Goods and Services Related to Dredging and Navigation by Filip Vandeputte</p>	<p>Session 4D Moderator Alan Fowler</p> <p>Strategic Defense of the Mississippi River Delta, dredging a new river outlet to the Gulf by Nicholas DeGennaro</p> <p>Dredging Without a Dredge; the Bedload Collector, an Innovative sediment Mgt method by Tim Welp</p> <p>Quantifying the Resilience of Beaches Restored Through Dredging by John Headland</p>
10:00 – 10:30	Refreshment Break			
10:30 – 12:00	<p>Session 5A Moderator Ken Potrykus</p> <p>Is Greater Scientific Understanding of Dredging env. Impacts that inform regulations outpacing the ability of tech. to mitigate? by Tom Wang</p> <p>Innovative Methods for Assessing Impacts and Mitigation for Dredging and In-water construction by Kaitlin McCormick</p> <p>The Permitting Journey to Deepening and Widening a Fed. Navigation Channel by Carl Sepulveda</p> <p>Codevelopment and pilot demo of USACE enterprise tools, Gulf Intracoastal Waterway by Edmond Russo</p>	<p>Session 5B Moderator Rich Weber</p> <p>The Use of sub-bottom profiling in refining dredge cuts for a large scale sediment remediation project by Matt Graham</p> <p>The Real Cost of Sediment Remediation – An Examination of Cost Considerations for remedy selection by Reid Carscadden</p> <p>Logical Progression in Remediation of Contaminated Sediments by Anna Knox</p> <p>Risk Allocation in Dredging: Common Misperceptions by Jelle Prins</p>	<p>Session 5C Moderator Edmond Russo</p> <p>Panel Discussion: The Future of Risk Management Practice</p>	
12:00 – 1:30	Lunch in the Exhibit Hall			
1:30 – 3:00	<p>Session 6A Moderator Rob O'Neal</p> <p>Ports and Environmental Activism: Lessons Learnt from Great Barrier Reef Debate by Paul Doyle</p> <p>Solving Complex Problems Through Communication, reaching consensus with a stakeholder model by Gene Clark</p> <p>Hurricane Sandy Dredging Projects: Sand and More by Kenneth Goldberg</p> <p>The Evolving World of Public Involvement – What was a Luxury is now a Necessity by Joan Gerhardt</p>	<p>Session 6B Moderator Phil Spadaro</p> <p>Maintenance vs Environmental Dredging at US Navy Installations – Parallel Universes? by David Moore</p> <p>A Screening Approach for Dredged Disposal Alternatives in Long Island Sound by Lisa Lefkowitz</p> <p>Integrated Navigational and Cleanup Dredging Proj. Devtpt for Howards Bay, Superior, WI by Michael Erickson</p> <p>Digital Tools for Optimizing Federal Dredging Dollars by James Clausner</p>	<p>Session 6C Moderator Mark Graveling</p> <p>Dredging of the Historical Cedar Bayou Tidal Inlet on the Texas Gulf Coast by Aaron Horine</p> <p>Using Engineering with Nature to Create River Island Habitat in Coastal Louisiana by Cynthia Banks</p> <p>Measuring and Monitoring Hydrologic and Sediment Dynamics in Wetlands by David Perkey</p> <p>La Quinta Channel Extension and Ecosystem Restoration by Mark Coyle</p>	<p>Session 6D Moderator Mike Crystal</p> <p>Proof of Dredge Disposal Accuracy or are Aliens Playing in the Sand Offshore of Humboldt Bay, CA by John Hardin</p> <p>Modeling Sea Turtle Nesting Habitat to Support USACE Operations and Planning by Coraggio Maglio</p> <p>City of Renton Seaplane Base Maintenance Dredging, Challenges, by John Dawson</p> <p>A New Day is Dawning for Beneficial Reuse in San Francisco Bay, CA by Ellen Johnck</p>
3:00 – 3:30	Refreshment Break			

Conference Program *(continued)*

Time	Track A Scarborough 1	Track B Scarborough 2	Track C Scarborough 3
3:30 – 5:00	<p>Session 7A Moderator Joan Gerhardt</p> <p>Dredgefest by Rob Holmes and Sean Burkholder</p> <p>Community Outreach: A Success Story by Bob Romagnoli</p> <p>Boating Facility Dredging on Columbia River Hydroelectric Projects by Shane Phillips</p> <p>Managing Mercury Contamination in Mike Pusich Douglas Harbor, Juneau, AK by John Nakayama</p>	<p>Session 7B Moderator Mike Erickson</p> <p>Dredging for Coastal Resilience by Todd Bridges</p> <p>Cameron Parish Shoreline Restoration Beach Nourishment Project by Casey Connor</p> <p>Using Dredged Material to Enhance Coastal Resiliency at 2 Marsh Demo Sites in NJ by Candice Piercy</p> <p>Beneficial Reuse of Dredged Material for Sea Level Rise Adaptation in SW Brooklyn by Robert Daoust</p>	<p>Session 7C Moderator Andrew Timmis</p> <p>Remediation Dredging – Solidifying Sediment for Landfill Disposal by Jason Guenther</p> <p>Challenges and Solutions in Managing Long Term Maintenance Dredging Needs by Josh Gravenmier</p> <p>Cycle Analysis in the DQM Viewer by Maya Whitmont</p> <p>Lessons Learned from Coastal Beneficial Use Features in Galveston Bay by Georganna Collins</p>

Thursday, October 22

8:30 – 10:00	<p>Session 8A Moderator Tim Welp</p> <p>Reducing Maintenance Dredging Costs in Mud Environments: the Rheocable Method by Peteralv Brabers</p> <p>Integrated Sediment Dispersion Modeling by Jordan Matthew</p> <p>Barged Sediments Disposal Modal for the Assessment of Open Water Disposal by Jenn Wei Er</p> <p>Capitalizing on Spatial Technologies in Dredging Operations: A Case Study by Brandan Scully</p>	<p>Session 8B Moderator John Childs</p> <p>Morrow Lake and Delta Area Dredging Operations on the Kalamazoo River by Rich Walsh</p> <p>Sed-Vac – An Innovative Sediment Removal Technology by Gary Loveland</p> <p>Dredging and Dewatering at the Roebling Steel Co. Superfund Site by Andrew Wright</p> <p>Coupling Multivariate Statistics and Geochemical Fingerprinting Techniques in Calumet Harbor by Jennifer Seiter</p>	<p>Session 8C Moderator Matt Woltman</p> <p>Rapid, in-situ dewatering of Dredge Impoundments by Leon Munro</p> <p>Innovative Free Fall Sediment Profiler for Determining Nautical Depth by Koen Geirmaert</p> <p>Evaluating Long term effects of dredging in estuaries: A Dutch Approach by Dirk Sebastiaan van Maren</p> <p>Beneficial Use and Sustainable Sediment Management in the Pacific NW by Nicole LaFranchise, Halah Voges</p>
10:00 – 10:30	Refreshment Break		
10:30 – 12:00	<p>Session 9A Moderator Barry Holiday</p> <p>The Use of Enhanced Geophysical Methods on Dredging Projects: Aquares Resistivity Method by Peteralv Brabers</p> <p>The Delft Head Loss & Limit Deposit Velocity Model by Robert Ramsdell</p> <p>Navigating the Muddy Waters of Dredging Sediment from Stormwater Ponds by Steve Klein, Candice Kantor</p> <p>Port of Kalama, a New Approach to Maintenance Dredging and Placement of Dredged Material by John Dawson</p>	<p>Session 9B Moderator Tim Donegan</p> <p>Phase 1B Esquimalt Graving Dock Waterlot Remediation Design and Construction by Dan Berlin</p> <p>Esquimalt Graving Dock Waterlot South Jetty Demolition and Remediation Design Challenges by Matthew Woltman</p> <p>Temporal Signature of Government Policy Effects on Sediment Remediation by Mark Chappell</p> <p>Feasibility Study Volume Estimation for Contaminated Sediments: Modeling Tools, lessons by Michael Ciarlo</p>	
12:00 – 2:00	<p>Public-Private Partnerships (P3) for the Nation's Inland Marine Transportation System – Focus on Dredging</p> <p>Panelists: Dennis Lambert, P.E. COWI North America, Inc. Edward Belk, U.S. Army Corps of Engineers Whitford Remer, American Society of Civil Engineers Richard Ornitz, Infralynx Capital</p>		



Technical Tours

Thursday, October 22, 2015

TECHNICAL TOUR:

Dredged Material Containment Area Tour

3:00 – 5:30 pm

Tickets: \$20.00 on-site; registration available until Wednesday, October 21 based on availability.

Tour Organizer: US Army Corps of Engineers Savannah District



Depart from Hyatt Regency. Meet in Hotel Lobby at 2:45 pm.

This tour will consist of a bus visit to Savannah Harbor's Dredged Material Containment Area (DMCA) 1N, on Onslow Island. The use of this DMCA involves an innovative approach to containing dredged material while providing valuable wildlife habitat in order to meet environmental mitigation requirements through the means of its operation. The tour will include a drive along the Savannah National Wildlife Refuge's Wildlife Drive showcasing a rich tidal freshwater ecosystem located just across from the Georgia Ports Authorities Garden City Terminal, the fourth busiest container terminal in the nation and the largest single container port in North America. USACE will provide hand-outs for these locations. The tour will take approximately 2.5 hours.

CULTURAL TOUR:

Savannah Harbor Cruise

4:00 – 5:00 pm, Boarding begins at 3:30 pm.

Tickets: \$22.00 on-site; registration available until Tuesday, October 20.

Depart from Hyatt Regency and walk to the dock.

Come aboard! Join other conference attendees on a narrated cruise that takes you north on the Savannah River under the Tallmadge Bridge into the ports where you'll learn about their importance past and present. The Captain will turn the boat around to head east on the historic Savannah River. No food or drink is included in the 1 hour cruise, but there is a snack cash bar which will be open for purchasing snacks and drinks. Boarding begins 30 minute prior to departure, and the tour will take one hour.

Specific Events for

Young Professionals

Including Students

Events sponsored by Cashman Dredging & Marine Construction Co., LLC



Monday, October 19

Young Professionals Pre-Conference Meet & Greet

5:00 - 6:00 pm

Hyatt Regency Savannah: Windows Restaurant, Lobby Level

Join us for the Young Professionals "Meet & Greet" at the Windows Restaurant at the conference hotel. All Young Professionals (YPs) are invited. PIANC defines YPs as "40 and under." This networking event is free and is a great way to kick-off the conference. You'll have the opportunity to meet other young as well as some of the dredging industry leadership. Bring your business cards!

Wednesday, October 21

Young Professionals Networking Reception

6:00 - 7:00 pm

Joe's Crab Shack, 504 E. River Street

All Young Professionals are also invited to the conference "off-site" Networking Reception for YPs only! The back-porch location of this venue is ideal for great discussions and viewing the impressive river traffic up close! Light food and beverages will be provided. Joe's Crab Shack is located just a few blocks away on E. River Street. Check with the registration desk if you need a map or directions.

Committee Meetings

Saturday October 17

9:00 am – 5:00 pm PIANC EnviCom PTGCC, Percival Room

Sunday October 18

2:00 – 7:00 pm PIANC EnviCom, Percival Room

Monday October 19

9:00 am – 5:00 pm PIANC EnviCom, Percival Room

1:00 – 5:00 pm PIANC USA Commissioners, Plimsoll Room – invitation only

General Information

Conference On-Line Access

Complete and detailed information on all aspects of the 2015 Dredging Conference, including information on each technical session with presentation titles, abstracts, speakers, bios; plenary speakers, and the Exhibit Hall (and more!) can be found on the conference on-line access: www.dredging2015.busyconf.com/schedule.

Attire

The dress code for the Conference is business casual (i.e. slacks, casual dresses) to business attire (i.e. neckties, business suits). Meeting room temperatures will vary, so wear layered clothing to ensure your personal comfort. We also recommend attendees wear comfortable shoes.

Badge Policy and Ribbons

Your conference registration name badge is your admission to the technical sessions and exhibit hall. Please wear your badge at all times. Ribbons will be available at the Registration Desk. PIANC USA recommends you remove your badge when leaving the hotel.

Emergency Information

In case of emergency, please call 911.

Nearby Hospitals

Memorial Medical University, 4700 Waters Ave, 912-350-8000
St. Josephs Candler Hospital, 11705 Mercy Blvd, 912-819-6000

Professional Development Hours (PDHs)

In your registration packet is the PDH form for the Conference. You may earn PDHs, which are nationally recognized units of record, by attending Conference concurrent sessions and short courses. Please note there are differences from state to state in continuing education requirements for professional engineering licensure. Each state licensing board has the final authority to approve course, credits, PDHs, and other methods of earning credits in that state. PIANC USA strongly recommends that individuals regularly check with their state licensing boards for specific continuing education requirements in their jurisdictions that affect professional engineering licensure and the ability to renew licensure.

Meals

The Conference Opening Reception will be held in the Exhibit Hall. Breakfast and lunches on Tuesday and Wednesday, as well as all beverage breaks will also be in the hall. There is limited seating in the hall but the hotel will do their best to accommodate our group. If lines develop at lunch we encourage you to spend some time with our exhibitors while you wait. We have allowed 90 minutes for lunch to ensure everyone will have the opportunity to eat. Your badge is required for entrance to the Exhibit Hall. The Closing Plenary Luncheon is a seated meal on Thursday, located Regency Ballroom. We kindly ask that you be seated as promptly as possible so that we may start the program.

In Memoriam | Robert Engler, Ph.D.

This year as part of the Opening Plenary session on Tuesday morning we plan to honor Dr. Robert Engler, who passed away earlier this year. Many of you knew Bob well; he was currently serving on the PIANC USA Commission and was the Conference Chair of the last Dredging Conference in San Diego in 2012. In addition to his intellect and scientific expertise, he was a passionate leader, mentor, innovator, and friend. He will be greatly missed by the PIANC community world-wide, but he leaves behind a distinguished legacy.

Above Left, Bob at the Dredging 2012 conference mentoring young professionals.

Left, Bob with Louis Van Schel at the 2011 PIANC Annual General Assembly.





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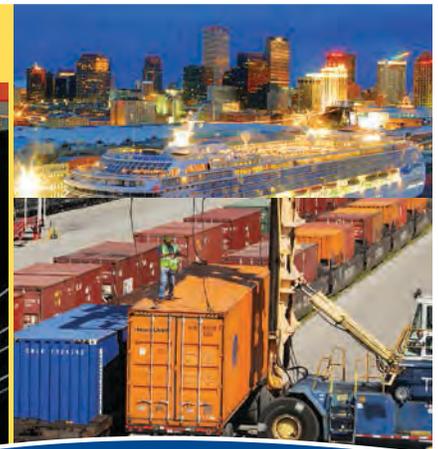
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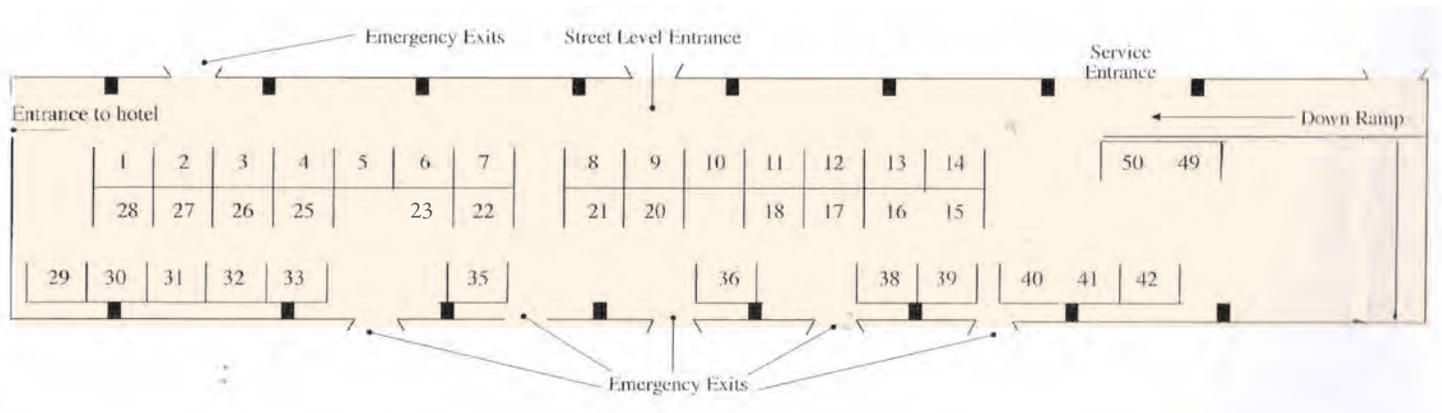
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Industry Exhibition

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We are pleased to welcome the following exhibitors to Dredging 2015

Academy of Coastal, Ocean, Port and Navigation Engineers	39	Ellicott Dredges LLC	9	PIANC Environmental Commission	17
Arc Surveying & Mapping, Inc.	31	Envirocon, Inc.	26	R2Sonic, LLC	21
Cable Arm	49, 50	ENVIRON	30	Residue Solutions	12
Cashman Dredging & Marine Construction Co., LLC	1	Geo-Synthetics LLC	25	Ryzhka International LLC	42
Caterpillar	11	Georgia Ports Authority	2	SNF Environmental	29
Coasts, Oceans, Ports and Rivers Institute of ASCE	38	HUESKER Inc.	36	Taylor Engineering	14
Dial Cordy and Associates	6	HYPACK Inc	27	TenCate	8
DEL Tank and Filtration Systems	13	Kruse Integration	10	Terra Contracting Services	35
DTC	32	McKim & Creed Inc.	22	Tetra Tech	7
EA Engineering, Science, and Technology, Inc., PBC	28	Media Partners: World Dredging, Terra et Aqua, International Dredging Review	40 & 41	U.S. Army Engineer Research and Development Center	18
		Moffatt & Nichol	4	USACE Savannah District	5
		NewFields	20	Weeks Marine, Inc.	3
		Orion Marine Group	33	Xylem/YSI	23
		PIANC USA	15 & 16		



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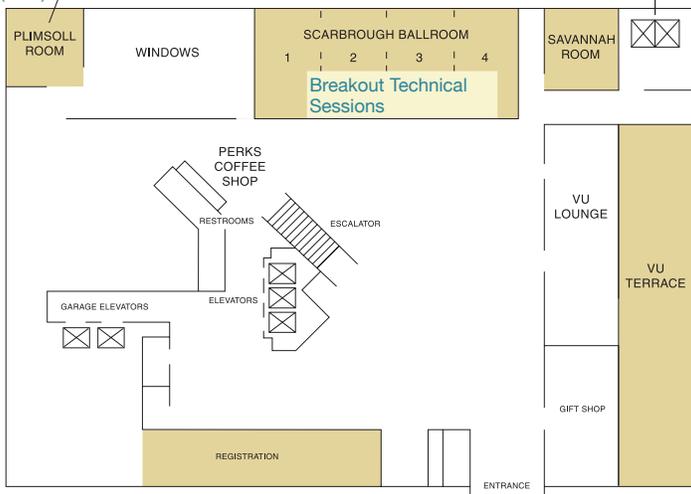
International Dredging Review
Terra et Aqua
World Dredging



Engineering Ethics Session (Wed)

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