



Celebrating the Diversity of the Coast *

Oct. 13-15, 2010

Charleston Marriott Hotel, Charleston, SC

Tuesday, Oct. 12

Room: Opal Room

10 a.m.-4:30 p.m. *Sand Resources and Coastal Law: Short Course*

By: Joan Pope and Todd Roessler

Sponsored by Coastal Zone Foundation

Wednesday, Oct. 13

8 a.m.-noon ASBPA Board of Directors meeting

Room: Topaz Room

Sponsored by Coastal Planning & Engineering Inc.

10 a.m. Registration opens

Noon Exhibits open

Room: Emerald II and III

1 p.m. Opening of the 2010 Conference

Room: Crystal Ballroom

Conference co-chairs Tim Kana and Brad Pickel

ASBPA President Harry Simmons

Plenary Session, The Conference Themes

1:15 p.m. Carolyn Boltin-Kelly, *Deputy Commissioner, SCDHEC-OCRM*

1:45 p.m. Eileen Shea, *NOAA-NWS Asheville*

2:15 p.m. Welcome: The Hon. Joseph Riley, *Mayor, City of Charleston*

2:30 p.m. Miles O. Hayes, *Research Planning Inc.*

“South Carolina, A Coast for All Seasons”

3:15-3:35 p.m. ***Networking break in the Exhibit Hall (Emerald II and III)***

Sponsored by Coastal Engineering Consultants Inc.

(Moderator: Skip Davis)

3:35 p.m. James Houston (*USACE ERDC*) and Robert Dean (*University of Florida*)

“Is the Rate of Sea Level Rise Increasing? An Analysis Based on U.S. Tide Gauges”

4:00 p.m. Michael Walther, *Coastal Technology Corp.*

“Evolution of Coastal Structures’ Use & Policy”

4:25 p.m. Jacqueline Michel, *Research Planning Inc.*

“The Science of Major Oil Spill Response, Lessons Learned and Present Techniques Used From Pre-planning to On-Scene Activities”

4:50 p.m. Linda Lillycrop, *USACE ERDC*

“The USACE Regional Sediment Management Program: Lessons Learned and Advancements over the Past 10 Years”

5:15 p.m. ***ASBPA Annual Meeting***

6:00 p.m. **Grand opening reception and games in the Exhibit Hall (Emerald II and III)**

Sponsored by Great Lakes Dredge & Dock Co.

Thursday, Oct. 14

Concurrent sessions morning and afternoon

7:20 a.m. Continental breakfast in the exhibit hall (Emerald II and III)

Sponsored by The Shaw Group

7:20 a.m. ASBPA Governmental Affairs Committee Meeting

1A – Regional Sediment Management

Room: Emerald I

(Moderator: Charles Shabica)

8:30 a.m. Thomas Smith, *USACE Honolulu*

"Hawaii Regional Sediment Management"

8:55 a.m. Ashley Frey, *USACE ERDC*

"Regional Analysis for Onslow Bay, NC, Beaches and Inlets"

9:20 a.m. Irene Watts, *USACE New England*

"Rhode Island Regional Sediment Management"

9:45 a.m. Don Cresitello, *USACE New York*

"Long Island Coastal Planning Project: Institutionalizing Regional Sediment Management"

1B – Tidal Inlets

Room: Opal

(Moderator: Brian Caufield)

- 8:30 a.m. Timothy Kana, *Coastal Science & Engineering*
"South Carolina Inlets, Where the Sand Budget Action Is"
- 8:55 a.m. Lee Weishar, *The Woods Hole Group*
"Direct and Indirect Impacts of the Formation of a New Inlet through Nauset Barrier Beach on Municipal and Private Properties"
- 9:20 a.m. Steven Traynum, *Coastal Science & Engineering*
"Sediment Transport and Inlet Channel Avulsion at Isle of Palms, SC"
- 9:45 a.m. Dan M. Hanes, *USGS-Santa Cruz*
"Recent Scientific Advances and their Implications for Sand Management Near San Francisco: The Influence of the Ebb Tidal Delta"

1C – Biological Monitoring

Room: Blue Topaz

(Moderator: Greg "Rudi" Rudolph)

- 8:30 a.m. Greg "Rudi" Rudolph, *Carteret County Shore Protection Office*
"Species, Distinct Populations Segments, and the Endangered Species Act, What Does it All Mean for the Loggerhead Sea Turtle and Shore Protection in the Southeast U.S."
- 8:55 a.m. Bridget Lussier, *Applied Technology & Management*
"Evaluating Biological Recovery from Beach Renourishment Through Invertebrate Monitoring at Holden Beach, NC"
- 9:20 a.m. Mark Messersmith, *USACE Charleston*
"Physical and Biological Recovery of Beach Nourishment Borrow Areas in South Carolina Linked to Environmental Setting"
- 9:45 a.m. Thomas Socha, *USACE Charleston*

"Results from USACE Charleston District Dune Vegetation Shore Protection Project"

10:10-10:30 a.m. **Networking break in the Exhibit Hall (Emerald II and III)**
Sponsored by Marinex Construction

2A – Sea Level Rise

Room: Emerald I

(Moderator: David Revell)

10:30 a.m. Richard A. Davis Jr., *University of South Florida*
"Sea Level in the Gulf of Mexico: What's Happening Now and What's Next?"

10:55 a.m. Adam Hosking, *Halcrow*
"North Carolina Sea Level Rise Risk Management Study"

11:20 a.m. Ad van der Spek, *Deltares, The Netherlands*
"Coastal Zones and Climate Change: Perception and Scale"

11:45 a.m. David Revell, *Philip Williams Associates*
"Adaption Options for Climate Change: An Evaluation of Erosion Mitigation Alternatives that Protect Beaches for Future Generations"

2B – Coastal Structures

Room: Opal

(Moderator: Billy Edge)

10:30 a.m. Donald Ward, *USACE ERDC*
"National Shoreline Erosion Control Development and Demonstration Program (Section 227 and Section 2038) Overview and Current Projects"

10:55 a.m. Karyn Erickson, *Erickson Consulting*
"Chapter 62B-56, F.A.C. Sand, Filled Geotextile Dune Cores: An Engineer's Perspective"

- 11:20 a.m. Douglas Gaffney, *Ocean & Coastal Consultants*
"Design and Function of Very Low Profile Groins"
- 11:45 a.m. Chris Creed, *Olsen Associates*
"Fish Haul Creek Shoreline Restoration and Protection Project, Town of Hilton Head Island, SC"

2C – Coastal Policy

Room: Blue Topaz

(Moderator: Nicole Elko)

- 10:30 a.m. Bill Eiser, *SCDHEC-OCRM*
"33 $\frac{1}{3}$ Years of Beachfront Management in South Carolina"
- 10:55 a.m. Matthew Slagel and Braxton Davis, *SCDHEC-OCRM*
"Findings of the South Carolina Shoreline Change Advisory Committee"
- 11:20 a.m. Tony Pratt, *Delaware DNR*
"ASBPA Government Affairs Committee"
- 11:45 a.m. Cameron Perry, *HDR Engineering*
"Coastal Summit 101 and Importance of Science Based Policy"

12:10 - 2 p.m. Awards Luncheon

Room: Crystal Ballroom

Heroes of the Profession: A conversation with our Honorary Conference Co-Chairs, Dr. Miles Hayes (*Research Planning Inc.*) and Dr. David Basco (*Old Dominion University*)

Awards

3A – Deepwater Horizon Oil Spill

Room: Emerald I

(Moderator: Robert Dean)

- 2 p.m. Jody Henneke, *Shaw Engineering*
"Barrier Berm Project, Louisiana Gulf Coast"
- 2:25 p.m. Melany Larenas, *Coastal Planning & Engineering*
"Overview of the Emergency Sand Searches Conducted in Response to the Deepwater Horizon Oil Spill"
- 2:50 p.m. Ancil Taylor, *C.F. Bean*
"Interaction and Coordination of Dredges for Construction of Emergency Berms - Louisiana Gulf Coast"
- 3:15 p.m. Robert Dean (*University of Florida*) and Ping Wang (*University of South Florida*)
Panel: "The Efficacy of Emergency Berm Construction, Deepwater Horizon Oil Spill"

3B – Beach Nourishment

Room: Opal

(Moderator: Tony Pratt)

- 2 p.m. James Marino, *Coastal Technology Corp.*
"Indian River County – Sector 3 Beach and Dune Restoration Project History: Challenges and “What’s Next?”"
- 2:25 p.m. Fran Way, *Applied Technology & Management*
"Holden Beach, NC – A Case Study in Beach Management (2001-2010)"
- 2:50 p.m. Clay McCoy, *Coastal Carolina University*
"Analysis of the 2007-2009 Grand Strand Nourishment Project, Horry County, South Carolina"
- 3:15 p.m. Alicia Mahon, *Stevens Institute of Technology*
"Effects of Sand Placement on the Surfability of a New Jersey Sandy Beach"

3C – Modeling

Room: Blue Topaz

(Moderator: Mark Gravens)

- 2 p.m. Chris Massey, *USACE ERDC*
"Coastal Storm Modeling, System Integration"
- 2:25 p.m. Mary Cialone, *USACE ERDC*
"Application of a Coastal Storm Modeling System to the Louisiana Gulf Coast"
- 2:50 p.m. Layla Kashlan, *USACE Wilmington*
"Two-Dimensional Morphologic Modeling Case Study"
- 3:15 p.m. Usha Natesan, *Anna University, India*
"Sediment Dynamics along Kalpakkam, Southeast Coast of India, from Field Observations and Numerical Modeling"

3D – Integrating Science & Policy

Room: Yellow Topaz

(Moderator: Adam Hosking)

- 2 p.m. Kenneth Humiston, *Humiston & Moore*
"Development of Erosion Control Structures Design to Address Regulatory Policy and Minimize Downdrift Impact"
- 2:25 p.m. Steve Peene, *Applied Technology & Management*
"Emerging Stormwater Quality Regulations: How Will They Affect Coastal Communities?"
- 2:50 p.m. Timothy Mason, *Applied Technology & Management*
"Charleston Oceanfront Villas – Case Study of a Retrofitting and Existing Seawall to Reduce Flood Hazard Insurance Premiums at Folly Beach, SC"
- 3:15 p.m. Billy Edge, *North Carolina State University*
"Certification of Coastal Engineers"
- 3:40-4:00 p.m. ***Networking Break in the Exhibit Hall (Emerald II and III)***

Sponsored by Coastal Technology Corp.

4A – Oil Spills, Risk Assessment & RSM Panel

Room: Emerald I

(Moderators: Robert Dean)

- 4:00 p.m. Robert Dean/Panel (continued)
"The Efficacy of Emergency Berm Construction, Deepwater Horizon Oil Spill"
- 4:25 p.m. Loana Arentz, *Deltares, The Netherlands*
"Marine Environmental Risk Assessment: A Demo for the Dutch Continental Shelf"
- 4:50 p.m. Kim Sterrett, *California Dept Boating & Waterways*
"Regional Sediment Management Panel Discussion" with Howard Marlowe, Kevin Knight, Shelby Tucker, and Joan Pope (goes to 5:40 p.m.)

4B – Extreme Events

Room: Opal

(Moderator: Jim Houston)

- 4:00 p.m. Jon Miller, *Stevens Institute of Technology*
"Coastal Storms and the Winter of 2009-2010: Impacts on New Jersey's Coast"
- 4:25 p.m. Maura Boswell, *Moffatt & Nichol*
"Assessment of Short-term and Long-term Impacts of the November 2009 Nor'easter on the Ocean View Shoreline, Norfolk, VA"
- 4:50 p.m. Alison Grzegorzewski, *USACE ERDC*
"Evaluation of Barrier Island Restoration on Hurricane Surge and Wave Reduction"
- 5:15 p.m. Russ Boudreau, *Moffatt & Nichol*
"Chile Earthquake and Tsunami of February 2010: Aftermath Observations and Lessons Learned"

4C – Shoreline Restoration

Room: Blue Topaz

(Moderator: Mike Stephen)

- 4:00 p.m. Jeff Pompe, *Francis Marion University*
"Economics of Beach Nourishment & Development Setbacks, South Carolina Perspective"
- 4:25 p.m. Peter Seidle, *Applied Technology & Management*
"Twin Rivers Natural Shoreline Restoration: Maintaining Accessibility While Enhancing a Mangrove and Spartina Shoreline"
- 4:50 p.m. Michael Poff, *Coastal Engineering Consultants*
"Design Considerations for Barrier Island Restoration in Coastal Louisiana"
- 5:15 p.m. Bill Brose, *JJR*
"Integrating Coastal Shoreline, a Campus Lab and Community Education"

4D – Beach Nourishment Policy

Room: Yellow Topaz

(Moderator: Phill Roehrs)

- 4:00 p.m. Todd Roessler, *Kilpatrick Stockton LLP*
"Coastal Law and Sand Resource Management"
- 4:25 p.m. Kenneth Willson, *Coastal Planning & Engineering*
"Overcoming Permitting Obstacles: Lessons Learned from a Shoreline Protection Project, North Topsail, NC"
- 4:50 p.m. Roger Amato, Bureau of Ocean Energy Management, Regulation and Enforcement
"Safeguarding Sand Deposits in the Outer Continental Shelf: The Efforts of the Minerals Management Service to Ensure Availability of Beach Construction Material"

5:15 William Hanson, *Great Lakes Dredge & Dock Company*
“Defining 'Industry Standard' for the U.S. Dredging Industry”

6 p.m. **Chariots to Charleston: Ongoing bus service to downtown Charleston allows you to enjoy a night in Old Town... and you can leave the driving to us (actually, to sponsor Coastal Science & Engineering)!**

Friday, Oct. 15

Concurrent sessions morning

7:20 a.m. Continental breakfast in the exhibit hall (Emerald II and III)

7:20 a.m. ASBPA Governmental Affairs Committee Meeting

5A – Sediment Interpretation

Room: Emerald I

(Moderator: Jesse McNinch)

8:30 a.m. Jeffrey Obelcz and Kehui Xu, *Coastal Carolina University*

"Distinguishing 'Nourished' from 'Natural' Sediments along the Grand Strand, SC: Implications to the Beach Erosion Research and Monitoring (BERM) program"

8:55 a.m. Jesse McNinch, *USACE FRF*

“Improving the Prediction of Hurricane Occurrence through the Reconstruction of Ancient Storm History in the North Atlantic”

9:20 a.m. Kimberly McKenna, Stockton College

“Sediment Distribution in New Jersey’s Coastal Bays and Waterways”

9:45 a.m. Katherine Brutsche, *University of South Florida*

“Initial Performance Evaluation of a Nearshore Berm, Fort Myers Beach, FL”

5B – Modeling

Room: Opal

(Moderator: Mary Cialone)

- 8:30 a.m. Bradley Johnson, *USACE ERDC*
"Modeling Coastal Erosion due to Waves and Overwash"
- 8:55 a.m. Robert McCall and Dano Roelvink, *Deltares, The Netherlands*
"Predictive Models and Strategies for Barrier Island Maintenance and Restoration"
- 9:20 a.m. Nirnimesh Kumar, *University of South Carolina*
"Measurements and 3-D Modeling of Nearshore Circulation on a South Carolina Beach"
- 9:45 a.m. Mark Gravens, *USACE ERDC*
"Shore Protection Alternatives Analysis for Edisto Beach, SC"

5C — Marsh Design

Room: Blue Topaz

(Moderator: Gordon Thomson)

- 8:30 a.m. Daniel Johnson, *Tidewater Environmental Services*
"Salt Marsh Restoration at Tide Gate Mitigation Bank"
- 8:55 a.m. Whitney Thompson, *Coastal Planning & Engineering*
"A Case Study on the Design and Construction of the Mississippi River Sediment Delivery System, Bayou Dupont Project"
- 9:20 a.m. Lauren Augustin, *HDR Engineering*
"Wetlands Lifeguarding: Placing Sand to Prevent Marsh Drowning"
- 9:45 a.m. Cris Weber, *Leap Engineering*
"Outlook for a Coastal Marsh Ecosystem on the Brink: McFaddin NWR, Texas"
- 10:10-10:30a.m. **Networking Break in the Exhibit Hall (Emerald II and III)**

Sponsored by HDR Engineering

6A – Regional Sediment Management

Room: Emerald I

(Moderator: Kim Sterrett)

- 10:30 a.m. Kelly Legault, *USACE Jacksonville*
"Regional Sediment Management at St. Johns County, FL"
- 10:55 a.m. Sara Brown, *USACE Charleston*
"Beneficial Uses of Dredge Material and Regional Sediment Management"
- 11:20 a.m. Rich Viso, *Coastal Carolina University*
"Regional Sediment Management: Nearshore Mapping of Charleston Harbor and Georgetown Harbor Inlets, SC"

6B – Coastal Structures

Room: Opal

(Moderator: Ken Humiston)

- 10:30 a.m. Brian Joyner - *Halcrow*
"Development of Design Guidance for Nearshore Detached Breakwaters through Numerical Modeling"
- 10:55 a.m. John Hearin, *ASR Limited*
"Design, Construction, and Performance of the Boscombe Multi-Purpose Reef"
- 11:20 a.m. Kenneth Christensen, *EcoShore International*
"Passive Drain Tubes for Beach Erosion Control: Results of the First PEM Project in the United States"

6C – Data Analysis & Dissemination

Room: Blue Topaz

(Moderator: Steven Traynum)

- 10:30 a.m. Michael Forte, *USACE FRF*
"Challenges and Motivation for Creating Large-Scale, High-Resolution Topo/Bathy Surfaces for Storm and Sea Level Rise Model Simulations"
- 10:55 a.m. Daniel Barone, *Stockton College*
"Regional Scale Beach Dune Susceptibility Assessment & Verification in Long Beach Island, NJ"
- 11:20 a.m. Miki Schmidt, *NOAA Coastal Services Center*
"NOAA'S Digital Coast — A Unique Partnership"
- 11:45 **Adjourn**

12:45 - 5:30 p.m. **Post-Conference Field Trip to Isle of Palms and Dewees Island**

Meet in the lobby

Sponsored by Great Lakes Dredge & Dock Co.

Designed by: Tim Kana (CSE) and Pete Seidle (ATM)

You must be registered in advance to participate!

** Program and speakers subject to change. Draft program as of October 1, 2010. Conference logo designed by Trey Hair, Coastal Science & Engineering.*