

*******PLEASE NOTE PROGRAM CHANGES*******

Wednesday Opening Session

2:00 p.m.

Effects of Sea Level Decadal Variability on Apparent Acceleration and Trend Difference

James Houston, Ph.D., U.S. Army Engineer Research and Development Center, Vicksburg, MS and Robert Dean, Ph.D., P.E., Department of Civil and Coastal Engineering, University of Florida, Gainesville, FL

Friday Closing Session Begins at 8:35 a.m. NOT 8:10 a.m.

Start-up Breakfast Break will begin at 7:45 a.m.

8:35 a.m.

Southeast Florida Sediment Assessment and Needs Determination (SAND) Report

Matt Schrader, P.E. and Jase Ousley, U.S. Army Corps of Engineers, Jacksonville District, FL

9:00 a.m.

Sand Relocation Project – Miami-Dade County, Florida

Tom Martin, P.E., U.S. Army Corps of Engineers, Jacksonville

Wednesday, February 13, 2013

OPENING SESSION

Moderator: Charlie Hunsicker, Chair, FSBPA and Manatee County, Florida

1:00 p.m.

Welcome

1:10 p.m.

Regional Sediment Management and the St. Johns County Shore Protection Project – 2012 Renourishment

Jason Engle, P.E. and Kelly Legault, Ph.D., U.S. Army Corps of Engineers, Jacksonville District, FL

1:35 p.m.

Update on the Town of Longboat Key's Permeable Adjustable Groins Performance

Douglas Mann, P.E., Coastal Planning & Engineering, Inc., Boca Raton, FL

2:00 p.m.

Effects of Sea Level Decadal Variability on Apparent Acceleration and Trend Difference

James Houston, Ph.D., U.S. Army Engineer Research and Development Center, Vicksburg, MS and Robert Dean, Ph.D., P.E., Department of Civil and Coastal Engineering, University of Florida, Gainesville, FL

2:25 p.m.

St. Lucie Inlet Impacts on Northern Jupiter Island: Interpretation Based on Shoreline Position Data

Robert Dean, Ph.D., P.E., Department of Civil and Coastal Engineering, University of Florida, Gainesville, FL

2:50 p.m.

Professional Exchange Break

Moderator: Kenneth Banks, Ph.D., P.E, Broward County, Florida

3:20 p.m.

Nearshore Hardbottom Monitoring: Alternative Methods to Effectively Assess Potential Impacts and Reduce Monitoring Costs Associated with Beach Restoration Projects in Florida

Erin Hodel, Keith VanGraafeiland, and Keith Spring, CSA International, Inc., Stuart, FL

3:45 p.m.

Coquina Beach Restoration: An Integrated Approach to Beach Design and Artificial Reef Construction

Michelle Rees, Lauren Floyd, Thomas Pierro, P.E., and Richard Spadoni, Coastal Planning & Engineering, Inc., Boca Raton, FL

Continued on next page

National Conference on Beach Preservation Technology
February 13-15, 2013 * The Omni Jacksonville Hotel * Jacksonville, Florida

Wednesday, February 13, 2013
OPENING SESSION

4:10 p.m.

Nearshore Rock Exposure at Patrick AFB, Florida, 2001-12

Kevin Bodge, Ph.D., P.E., Steve Howard, P.E., and Will Reilly, P.E., Olsen Associates, Inc.,
Jacksonville, FL

4:35 p.m.

**Hardbottom Impacts and Mitigation: Developing a Persistent Policy on an Ephemeral
Situation**

Danielle Fondren, PWS and Lainie Edwards, Ph.D., Florida Department of Environmental
Protection, Tallahassee, FL

5:00 p.m.

Hardbottom Panel Discussion and Audience Participation

5:20

Adjourn

6:30 p.m.

Welcome Reception

Location: Exhibit Hall

Thursday, February 14, 2013

CONCURRENT SESSIONS

8:05 a.m. to 10:10 a.m.

SESSION A

**Moderator: Kevin Bodge, Ph.D., P.E.,
Olsen Associates, Inc.**

8:05 a.m.

**Predicting Hardbottom Impacts for Beach
Fills in Southeast Florida**

Christopher Creed, P.E. and Patrick Snyder,
Olsen Associates, Inc., Jacksonville, FL

8:30 a.m.

**Hardbottom Impacts: Bridging the Gap
Between Science and Regulatory, A Case
Study: South St. Lucie County Beach
Restoration Project**

Kimberly Colstad and Lois Edwards, Coastal
Technology Corp., Vero Beach, FL

8:55 a.m.

**Benthic Characterization Using a
Stratified Random Sampling Design
Supplemented with LiDAR Data: An
Example from Broward County**

Stacy Prekel, Coastal Planning &
Engineering, Inc., Boca Raton, FL, and
Kenneth Banks, Ph.D., P.E. and Patrick
Quinn, Ph.D., Broward County, FL

9:20 a.m.

**Design Considerations for Beach
Nourishment Projects in the Vicinity of
Nearshore Hardbottom**

Michael Jenkins, Ph.D., P.E., Applied
Technology and Management, Inc., West
Palm Beach, FL

9:45 a.m.

**Hardbottom Panel Discussion and
Audience Participation**

10:10 a.m.

Professional Exchange Break

SESSION B

**Moderator: Michael Barnett, P.E., Tetra
Tech, Inc.**

8:05 a.m.

**Coastal Engineering Indices to Inform
Regional Management**

Lauren Dunkin and Jennifer Wozencraft,
Coastal Hydraulics Laboratory and Molly
Reif, Environmental Laboratory, Joint
Airborne Lidar Bathymetry Technical Center
of Expertise, U.S. Army Engineer Research
and Development Center, Kiln, MS

8:30 a.m.

**Sebastian Inlet Coconut Point Shoreline
Stabilization Project**

Bryan Flynn, P.E., Atkins North America,
Inc., Tampa, FL, S. Marie Yarbrough, P.E.,
Atkins North America, Melbourne, FL, and
Martin Smithson, Sebastian Inlet District, FL

8:55 a.m.

**Wave Force Guidance for Coastal
Structures Vulnerable to Coastal Storms**

Michael Krecic, P.E. and Philip Dompe, P.E.,
Ocean Engineering Associates, Inc. and D.
Max Sheppard, Ph.D., Department of Civil
and Coastal Engineering, University of
Florida, Gainesville, FL

9:20 a.m.

**St. Lucie Plant Discharge Canal Headwall
Stabilization Project, St. Lucie County,
Florida**

Jonathan Armbruster, P.E., Taylor
Engineering, Inc., Jacksonville, FL

9:45 a.m.

**Breakwater Island Creation: A 3-Fold
System**

Jesse Davis, P.E. and Richard Czapinski,
P.E., Tetra Tech, Inc., Stuart, FL, Jenna
Phillips and Pino Cignarella, Maccaferri, Inc.,
Williamsport, MD, and Edward Seissiger,
City of Ft. Pierce, FL

10:10 a.m. **Professional Exchange Break**

Thursday, February 14, 2013

CONCURRENT SESSIONS

10:40 a.m. to 11:55 a.m.

SESSION C

**Moderator: Richard Bouchard, P.E.,
Secretary/Treasurer, FSBPA and St. Lucie
County, Florida**

10:40 a.m.

New Technology in Beach Building

Thomas Payne, Marinex Construction, Inc.,
Charleston, SC and Robert Roman,
Hydrographic Consultants, Ltd., Bellaire, TX

11:05 a.m.

**Regionalization Issues from a Dredgers
Perspective**

Sam Morrison and Bill Hanson, Great Lakes
Dredge and Dock Co., Oak Brook, IL

11:30 a.m.

**Navarre Beach Restoration, Santa Rosa
County, FL**

Tem Fontaine, P.E., Cliff Truitt, Ph.D., P.E.,
Walker Dawson, P.E., Michael Walther, P.E.,
and Todd Walton, Ph.D., P.E., Coastal
Technology Corp., Vero Beach, FL

12:00 p.m.

Luncheon

SESSION D

**Moderator: Robert Dean, Ph.D., P.E.,
Department of Civil and Coastal
Engineering, University of Florida**

10:40 a.m.

**Cortez Groins Reconstruction Project
Feasibility Study and 2012 Hurricane
Season Impacts**

Charlie Hunsicker, Natural Resources
Department, Manatee County, FL and
Thomas Pierro, P.E., Christopher Day, P.E.,
and Douglas Mann, P.E., Coastal Planning &
Engineering, Inc., Boca Raton, FL

11:05 a.m.

Coastal Engineering Italian Style

Gary Zarillo, Ph.D., Department of Marine
and Environmental Systems, Florida
Institute of Technology, Melbourne, FL

11:30 a.m.

**Rehabilitation of the Breakers Hotel T-
head Groin Field**

Gordon Thomson, P.E., David Swigler, and
Andrew Wycklendt, P.E., Coastal Planning &
Engineering, Inc., Boca Raton, FL

12:00 p.m.

Luncheon

Thursday, February 14, 2013

CONCURRENT SESSIONS

1:15 p.m. to 2:55 p.m.

SESSION E

**Moderator: James Gray, FSBPA Director
and Indian River County, FL**

1:15 p.m.

**“NEPA for Newbies” – The National
Environmental Policy Act – an Overview**
Terri Jordan-Sellers and Leah Oberlin, U.S.
Army Corps of Engineers, Jacksonville
District, FL

1:40 p.m.

**Stockpiled Aragonite: A Test of the
Potential for Transport of Live Benthic
Infauna**
Sharon Niemczyk, Cardno ENTRIX,
Wellington, FL, Daniel Hammond and R.
Allen Brooks, Cardno ENTRIX, Riverview FL,
and Ocean Cay, Ltd., Boca Raton, FL

2:05 p.m.

**Developments in Policy and Practice of
Coastal Dune Restoration and
Management**
Robert Barron, Coastal Growers, Inc.,
Boynton Beach, FL

2:30 p.m.

**Dune Vegetation Management, A Case
Study**
Jennifer Bistyga, City of Boca Raton, FL and
John Duchock, P.E., Applied Technology and
Management, Inc., West Palm Beach, FL

2:55 p.m.

Professional Exchange Break

SESSION F

**Moderator: Douglas Mann, P.E., Coastal
Planning & Engineering, Inc.**

1:15 p.m.

**Venice Inlet Flood Shoal Sand Trap
Hydrodynamic Analysis**
Marc Damon, P.E. and Brett Moore, P.E.,
Humiston & Moore Engineers, Naples, FL

1:40 p.m.

**St. Lucie Inlet, Review of Original 1981
Structure Design Goals, and Discussion of
Project Performance**
Kenneth Humiston, P.E., Humiston & Moore
Engineers, Naples, FL

2:05 p.m.

Inlet Management – Closed Inlet Lessons
Tem Fontaine, P.E. and Todd Walton, Ph.D.,
P.E., Coastal Technology Corp., Vero Beach,
FL

2:30 p.m.

**Inlet Management and Sediment Budget
Analyses at Perdido Pass, Orange Beach,
AL**
Albert Browder, Ph.D., P.E., Will Reilly, P.E.,
and Patrick Snyder, Olsen Associates, Inc.,
Jacksonville, FL

2:55 p.m.

Professional Exchange Break

Thursday, February 14, 2013

CONCURRENT SESSIONS

3:25 p.m. to 5:20 p.m.

SESSION G

**Moderator: James Houston, Ph.D.,
U.S. Army Engineer Research and
Development Center**

3:25 p.m.

**Numerical Modeling of Coastal Processes
and Sedimentation at Braddock Bay, NY**

Lihwa Lin, Ph.D., Zeki Demirbelik, Ph.D.,
and Earl Hater, Ph.D., Coastal and
Hydraulics Laboratory, U.S. Army Engineer
Research and Development Center,
Vicksburg, MS and Michael Mohr, P.E., U.S.
Army Corps of Engineers, Buffalo District,
NY

3:50 p.m.

**Georgia and Northeast Florida Coastal
Storm Surge and Mapping Study**

Christopher Bender, Ph.D., P.E. and William
Miller, Ph.D., P.E., Taylor Engineering, Inc.,
Jacksonville, FL and Ashley Naimaster, P.E.,
Taylor Engineering, Inc., West Palm Beach,
FL

4:15 p.m.

Coastal Storm Modeling

Chris Massey, Ph.D., Coastal Hydraulics
Laboratory, U.S. Army Engineer Research
and Development Center, Vicksburg, MS

4:40 p.m.

**The US Navy Coastal Surge and
Inundation Prediction System: Making
Forecasts Easier**

Andrew Condon, Ph.D., American Society for
Engineering Education and Jay Veeramony,
Ph.D., Oceanography Division, Naval
Research Laboratory, Stennis Space Center,
MS

5:05 p.m.

Adjourn

SESSION H

**Moderator: John Ramsey, P.E., Applied
Coastal Research & Engineering, Inc.**

3:25 p.m.

**Multitemporal Lidar Assessment of
Hurricane Ike Impact and Recovery Along
the Upper Texas Coast**

Michael Starek, Ph.D., James Gibeaut,
Ph.D., and Diana Del Angel, Harte Research
Institute for Gulf of Mexico Studies, Texas
A&M University-Corpus Christi, TX

3:50 p.m.

**Storm-Induced Dune Erosion: Field vs.
Model Results**

Adam Clinch and Margery Overton, Ph.D.,
North Carolina State University, Raleigh, NC

4:15 p.m.

**Morphologic Changes Induced by Tropical
Storm Debby along Several West-Central
Florida Barrier Islands**

Ping Wang, Ph.D., Department of Geology,
University of South Florida, Tampa, FL and
Tiffany Roberts, Ph.D., Department of
Geology & Geophysics, Louisiana State
University, Baton Rouge, LA

4:40 p.m.

**Impacts to Southwest Florida and the
Eastern Gulf Coast Panhandle Beaches
from Tropical Storm Debby and Hurricane
Isaac**

Michael Poff, P.E., Coastal Engineering
Consultants, Inc., Naples, FL, Nicole Sharp,
P.E., Coastal Planning & Engineering, Inc.,
Boca Raton, FL, and Will Reilly, P.E. and
Kevin Bodge, Ph.D., P.E., Olsen Associates,
Inc., Jacksonville, FL

5:05 p.m. **Adjourn**

National Conference on Beach Preservation Technology
February 13-15, 2013 * The Omni Jacksonville Hotel * Jacksonville, Florida
Friday, February 15, 2013
CLOSING GENERAL SESSION
8:35 a.m. to 12 noon

7:45 a.m.
Start-up Breakfast Break

Moderator: Todd Walton, Ph.D., P.E., Coastal Technology Corporation

8:35 a.m.
Southeast Florida Sediment Assessment and Needs Determination (SAND) Report
Matt Schrader, P.E. and Jase Ousley, U.S. Army Corps of Engineers, Jacksonville District, FL

9:00 a.m.
Sand Relocation Project – Miami-Dade County, Florida
Tom Martin, P.E., U.S. Army Corps of Engineers, Jacksonville District, FL

9:25 a.m.
Sea Level Change Considerations on Federal Projects
Jason Engle, P.E., U.S. Army Corps of Engineers, Jacksonville District, FL

9:50 a.m.
Professional Exchange Break

Moderator: Lisa Armbruster, FSBPA

10:20 a.m.
Ft. Pierce Inlet Sand Bypassing and Shoreline Stabilization Overview, St. Lucie County, Florida
Michael Trudnak, P.E., Taylor Engineering, Inc., Jacksonville, FL

10:45 a.m.
Analysis and Utilization of Long-Term Nearshore Wave Data at a Beach Nourishment Project
William Dally, Ph.D., P.E., Surfbreak Engineering Sciences, Inc., and Atkins North America, Inc., Orlando, FL

11:10 a.m.
Evaluation of Beach Fill Grain Size Influence on Sediment Transport and Beach Fill Evolution
Mohamed Dabees, Ph.D., P.E. and Brett Moore, P.E., Humiston & Moore Engineers, Naples, FL

11:35 a.m.
Sustainable Coastal Protection and Management Program, Maharashtra, India
Rajesh Srinivas, Ph.D., P.E., Michael Trudnak, P.E., and Michael Kabling, Ph.D., P.E., Taylor Engineering, Inc., Jacksonville, FL, Robert Dean, Ph.D., P.E., Department of Civil and Coastal Engineering, University of Florida, Gainesville, FL, Ashwini Otta, Ph.D., System Sea, Mumbai, India, and Rajesh Gaikwad, Maharashtra Maritime Board, India

12:00 noon
Conference Adjourns