

**National Conference on Beach Preservation Technology
February 12-14, 2014
Hutchinson Island Marriott
Stuart, Florida**

Wednesday, February 12, 2014

OPENING SESSION

1:00 p.m. to 5:35 p.m.

Moderator: Don Donaldson, P.E., Martin County, Florida

1:00 p.m.

Welcome

1:10 p.m.

St. Lucie Inlet Management

John Ramsey, P.E., Applied Coastal Research and Engineering, Inc., Mashpee, MA, Stacey Roberts, Atkins North America, Sarasota, FL, Kevin Kremkau, P.E., Gahagan & Bryant Associates, Tampa, FL, Kathy Fitzpatrick, P.E. and Don Donaldson, P.E., Martin County, FL

1:35 p.m.

Innovative Beach Nourishment Engineering to Protect Nearshore Hardbottom and Sea Turtle Nesting Habitats in Martin County, Florida

David Stites, Ph.D., Taylor Engineering, Inc., Jacksonville, FL, Erin Hodel, CSA Ocean Sciences Inc., Stuart, FL, Kathy Fitzpatrick, P.E., Martin County, FL, and Robert Ernest, Ecological Associates, Inc., Jensen Beach, FL

1:55 p.m.

The Turtle-Friendly Beach Project, Part I: Beach Profile Equilibration in Traditional vs. Turtle-Friendly Cells

Ashley Naimaster, P.E. and Michael Trudnak, P.E., Taylor Engineering, Inc., West Palm Beach and Jacksonville, FL and Kathy Fitzpatrick, P.E., Martin County, FL

2:15 p.m.

The Turtle-Friendly Beach Project, Part II: Beach Profile Effects on Sea Turtle Nesting Behavior

Erik Martin, Niki Desjardin, Robert Ernest, Danielle Kurish, and Joe Scarola, Ecological Associates, Inc., Jensen Beach, FL and Kathy Fitzpatrick, P.E., Martin County, FL

2:40 p.m.

Proposed Terrestrial Critical Habitat for the Northwest Atlantic Loggerhead Sea Turtle Population

Ann Marie Lauritsen, U.S. Fish and Wildlife Service, St. Petersburg, FL

3:05 p.m. **Exhibitor Recognition, Tetra Tech, Inc.**

3:10 p.m.

Professional Exchange Break

**Sponsored by:
Ice Cream Social**



Since 1899



**National Conference on Beach Preservation Technology
February 12-14, 2014
Hutchinson Island Marriott
Stuart, Florida**

Wednesday, February 12, 2014

Moderator: Michael Walther, P.E., Coastal Technology Corporation

3:35 p.m.

Design Challenges for Coastal Engineers Designing Beach Nourishment Projects

Thomas Campbell, P.E., Coastal Planning & Engineering, Inc., Boca Raton, FL

4:00 p.m.

Lessons Learned from Hurricane Sandy: Documenting Beach Nourishment Project Benefits and an Update on the USACE's Repair of Florida's Federal Shore Protection Projects

Thomas Campbell, P.E., Coastal Planning & Engineering, Inc., Boca Raton, FL, Bill Hanson, Great Lakes Dredge and Dock Co., Oak Brook, IL, and Jacqueline Keiser, P.G., U.S. Army Corps of Engineers, Jacksonville District, FL

4:45 p.m.

Lessons from Hurricane Sandy: Science to Inform Coastal Management

Kara Doran, Ph.D., Cheryl Hapke, Ph.D. and Hilary Stockdon Ph.D., St. Petersburg Coastal and Marine Science Center, U.S. Geological Survey, St. Petersburg, FL

5:10 p.m.

Estimating Beach Volume Change as a Function of Beach Profile Spacing

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

5:35 p.m.

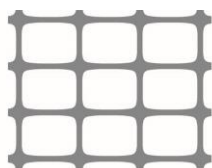
Adjourn

6:30 p.m. to 7:30 p.m.

Welcome Reception

Location: Exhibit Area

Sponsored by:



Tensor[®]
INTERNATIONAL



HUTCHINSON ISLAND
FLORIDA RESORT

Marriott.

National Conference on Beach Preservation Technology
February 12-14, 2014
Hutchinson Island Marriott
Stuart, Florida

Thursday, February 13, 2014

7:35 a.m.

Sweets and Treats, Professional Exchange Break, Sponsored by:



CONCURRENT SESSIONS

8:05 a.m. to 9:45 a.m.

SESSION A

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

8:05 a.m.

**Nearshore Surveying and Mapping:
Alternative Methods to Effectively Map
and Quantify Baseline and Impacts
Associated with Beach Restoration
Projects in Florida**

Keith VanGraafeiland, Gordon Stevens, and
Erin Hodel, CSA Ocean Sciences Inc.,
Stuart, FL

8:30 a.m.

**Post Hurricane Sandy Storm Damage
Assessment and Breach Analysis for
Prime Hook National Wildlife Refuge,
Milton, DE**

Walker Dawson, P.E. and Jeffrey Tabar,
P.E., Atkins North America, Melbourne, FL
and Al Rizzo, U.S. Fish and Wildlife Service,
Annapolis, MD

8:55 a.m.

**The Unique Nearshore Hardbottom
Habitats of Martin County**

Cheryl Miller, Coastal Eco-Group, Deerfield
Beach, FL, Stacey Roberts, Atkins North
America, Sarasota, FL and Kathy
Fitzpatrick, P.E., Martin County, FL

9:20 a.m.

**Sebastian Inlet South Shoreline
Rehabilitation Project**

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

9:45 a.m. Beverage Break, Sponsored by:

SESSION B

**Moderator: C. Scott Hardaway, Jr.,
Virginia Institute of Marine Science**

8:05 a.m.

**Performance of Coastal Structures: A
Managed Approach**

Karyn Erickson, P.E., Christin Perkinson,
Ph.D., P.E., and Douglas Dusini, P.E.,
Erickson Consulting Engineers, Inc.,
Sarasota, FL

8:30 a.m.

**Modeling of Erosion Control Alternatives
at Stump Pass, Charlotte County**

Vadim Alymov, Ph.D. and Michael Poff,
P.E., Coastal Engineering Consultants, Inc.,
Naples, FL and Chuck Mopps, Charlotte
County, FL

8:55 a.m.

**Managing OCS Sand Resources:
Hurricane Sandy Update and the Future
of Resource Management**

Jennifer Rose and
Jennifer Culbertson, BOEM, Herndon, VA

9:20 a.m.

**Numerical Modeling Analysis of the
Katrina Cut Rubble Mound Structure**

Gordon Thomson, P.E., Samantha
Danchuk, Ph.D., P.E., Christopher Day,
P.E., Coastal Planning & Engineering, Inc.,
Boca Raton, FL and Mark Saunders, P.E.,
Thompson Engineering, Inc., Mobile, AL



National Conference on Beach Preservation Technology
February 12-14, 2014
Hutchinson Island Marriott
Stuart, Florida

Thursday, February 13, 2014

CONCURRENT SESSIONS

10:15 a.m. to 11:55 a.m.

SESSION C

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

10:15 a.m.

**Economically and Predictive Beach
Design Concepts**

Stephen Keehn, P.E. and Nicole Sharp,
P.E., Coastal Planning & Engineering,
Inc., Boca Raton, FL

10:40 a.m.

**Economic Impacts of the Sebastian
Inlet**

Martin Smithson, Sebastian Inlet District,
Indianalantic, FL

11:05 a.m.

**St. Lucie County South Beaches –
Regional Beach Restoration**

Michael Walther, P.E. and Tem
Fontaine, P.E., Coastal Technology
Corp., Vero Beach, FL

11:30 a.m.

**Beach Nourishment and Tourism
Revenue**

Jimmy Sellers, M.B.A. and Michael
Walther, P.E., Coastal Technology Corp.,
Vero Beach, FL

12:00 p.m.

Luncheon

Sponsored by:

Gold Sponsor-Luncheon



Silver Sponsors-Luncheon



SESSION D

**Moderator: Thomas Pierro, P.E.,
Coastal Planning & Engineering, Inc.**

10:15 a.m.

**Clam Pass, Monitoring and
Management of a Small Tidal Inlet**

Mohamed Dabees, Ph.D., P.E., Brett
Moore, P.E., and Kenneth Humiston,
P.E., Humiston & Moore Engineers,
Naples, FL

10:40 a.m.

**Clam Bay: A Mangrove Restoration
Success Story**

Timothy Hall, Turrell, Hall & Associates,
Inc., Naples, FL

11:05 a.m.

Dunes 101: Coastal Resilience

Nicole Elko, Ph.D., Elko Coastal
Consulting, Inc., Wadmalaw Island, SC

11:30 a.m.

**Headlands, Living Shorelines and
Breakwaters: Design, Construction and
Performance of Three Cool Sites along
the Potomac River Estuary**

C. Scott Hardaway, Jr., Virginia Institute
of Marine Science, College of William and
Mary, Gloucester Point, VA and James
Gunn, Coastal Design and Construction,
Inc., Gloucester, VA

National Conference on Beach Preservation Technology
February 12-14, 2014
Hutchinson Island Marriott
Stuart, Florida

Thursday, February 13, 2014

CONCURRENT SESSIONS

1:15 p.m. to 2:30 p.m.

SESSION E

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

1:15 p.m.

**Breakwaters and Groins: Existing
Regulatory Challenges and Strategies
for Working through Those**

Jason Engle, P.E., U.S. Army Corps of
Engineers, Jacksonville District, FL

1:40 p.m.

**Adaptability During Design and
Lessons Learned during Construction
of Large Scale Coastal Restoration
Projects in Louisiana**

Michael Poff, P.E., Coastal Engineering
Consultants, Inc., Naples, FL

2:05 p.m.

**The Pelican Landing Community
Association Erosion Control Project
on Big Hickory Island**

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

2:30 p.m.

Professional Exchange Break, Pretzels & Candy Bars

Sponsored by:



HUMISTON & MOORE ENGINEERS

COASTAL ENGINEERING AND PERMITTING
"Restoring Beaches as Natural Coastal Systems"

SESSION F

**Moderator: Al Browder, Ph.D., P.E.,
Olsen Associates, Inc.**

1:15 p.m.

**Coastal Data Organization for Project
Management and Coastal Planning,
Martin County, Florida**

Alexandra Carvalho, Ph.D., CMar
Consulting, LLC and Kathy Fitzpatrick,
P.E., Martin County, FL

1:40 p.m.

**FEMA Flood Insurance Rate Maps –
Changes and How to Respond**

Andrew Condon, Ph.D. and Tem
Fontaine, P.E., Coastal Technology
Corp., Vero Beach, FL

2:05 p.m.

**Beach Representation within Storm
Surge Modeling for the East Coast of
Central Florida**

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



National Conference on Beach Preservation Technology
February 12-14, 2014
Hutchinson Island Marriott
Stuart, Florida

Thursday, February 13, 2014

CONCURRENT SESSIONS

3:00 p.m. to 4:00 p.m.

SESSION G

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

3:00 p.m.

**The Jumeirah Beach Project in
Dubai: First Combination of
Ecoplage® Beach Dewatering System
and Sand Nourishment**

Arnaud Ballay, Ph.D., Ecoplage, Sainte
Luce Sur Loire, France

3:25 p.m.

**Practical Modeling of One-Line
Shoreline Change Due to Structure-
Induced Wave Diffraction**

J.L. Lee, Ph.D., Department of Civil and
Environmental Engineering,
Sungkyunkwan University, Suwon,
Korea, D.S. Hur, Ph.D., Department of
Civil and Environmental Engineering,
Kyeongsang National University, Jinju,
Korea, and In Ho Kim, Ph.D.,
Department of Constructional Disaster
Prevention Engineering, Kangwon
National University, Samchuck, Korea

4:00 p.m. FIELD TRIP

Adjourn

SESSION H

**Moderator: Leanne Welch, Palm
Beach County, Florida**

3:00 p.m.

**Rapid Response Wave and Surge
Measurements**

Uriah Gravois, Gainesville, FL

3:25 p.m.

**Photo Tracking of Upham Beach: A
Decade of Movement towards
Stabilization**

John Bishop, Ph.D. and Andrew
Squires, Pinellas County, FL and
Thomas Pierro, P.E., Coastal Planning
& Engineering, Inc., Boca Raton, FL

4:00 p.m. FIELD TRIP

Adjourn

**National Conference on Beach Preservation Technology
February 12-14, 2014
Hutchinson Island Marriott
Stuart, Florida**

Friday, February 14, 2014

**7:30 a.m. Professional Exchange Break
Breakfast, Sponsored by:**



**CLOSING GENERAL SESSION
8:15 a.m. to 12:05 p.m.**

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

8:15 a.m.

Evaluating the Impact of Beach Nourishment on Surfing

William Dally, Ph.D., P.E., Taylor Engineering Research Institute, University of North Florida, Jacksonville, FL and Surfbreak Engineering Sciences, Inc., Orlando, FL

8:40 a.m.

Shoreline Change on the East Coast of Florida Caused by Sea Level Rise, Beach Nourishment, and Other Effects

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

9:05 a.m.

HOW You Bid Your Project IS Important

Bill Hanson and Russ Zimmerman, Great Lakes Dredge and Dock Co., Oak Brook, IL

9:30 a.m.

The Strategic Use of Coastal Structures in Contemporary Beach Nourishment Projects: Examples and Design Guidance

Thomas Pierro, P.E., Thomas Campbell, P.E., and Michelle Pfeiffer, P.E., Coastal Planning & Engineering, Inc., Boca Raton, FL

9:55 a.m.

Port Royal Shoreline Restoration and Stabilization Protection Project, Town of Hilton Head Island, S.C.

Christopher Creed, P.E., Olsen Associates, Inc., Jacksonville, FL, Scott Liggett, P.E., Town of Hilton Head Island, S.C., and Cheryl Miller, Coastal Eco-Group, Deerfield Beach, FL

10:20 a.m.

**Professional Exchange Break
Sponsored by:**



**National Conference on Beach Preservation Technology
February 12-14, 2014
Hutchinson Island Marriott
Stuart, Florida**

Friday, February 14, 2014

Moderator: Richard Bouchard, P.E., St. Lucie County, Florida

10:50 a.m.

Is Florida Running Out of Beach Quality Sand Resources?

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

11:15 a.m.

Truck Haul as an Alternative Sand Source

Nicole Sharp, P.E., Stephen Keehn, P.E., and Tara Brenner, Coastal Planning & Engineering, Inc., Boca Raton, FL and Gary McAlpin, P.E., Collier County, FL

11:40 a.m.

Offshore Stormwater Discharges: A Solution to Existing Beach Dune Outfalls

Karyn Erickson, P.E., Erickson Consulting Engineers, Inc., Sarasota, FL

12:05 p.m.

Conference Adjourns