

National Conference on Beach Preservation Technology
February 18-20, 2009
TradeWinds Island Resorts
St. Pete Beach, Florida

Wednesday, February 18, 2009

10:30 a.m. to 11:30 a.m.

Beaches 101 - A Primer or Refresher for Non-Professionals

Kevin Bodge, Ph.D., P.E., Olsen Associates, Inc., Jacksonville, FL

OPENING SESSION

1:00 p.m. to 7:30 p.m.

1:00 p.m.

Welcome

Debbie Flack, Director of Governmental Affairs, FSBPA, Tallahassee, FL

1:10 p.m.

Hurricane Ike: Preliminary Results From a Damage Assessment Team

Bob Dean, Department of Civil and Coastal Engineering, University of Florida, Gainesville, FL

1:40 p.m.

Fish Haul Creek Shoreline Restoration and Protection Project, Town of Hilton Head Island, S.C.

Christopher G. Creed, P.E., Olsen Associates, Inc. and Scott P. Liggett, P.E., Director of Public Projects and Chief Engineer, Town of Hilton Head Island, SC

2:05 p.m.

Commonalities of Small Scale Beach Nourishment Projects

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

2:30 p.m.

Rehabilitation of Rudee Inlet, Virginia

Kevin Bodge, Ph.D., P.E. and Steven Howard, P.E., Olsen Associates, Inc., Jacksonville, FL; Rebecca Francese, Waterway Surveys & Engineering, Ltd., Virginia Beach, VA and Michael Kay, P.E., City of Virginia Beach, VA

2:55 p.m.

Professional Exchange Break

3:30 p.m.

Investigation of Coastal Sediment Budget Methodology With Reference to Section 111 Studies, and Example Case Study at Mattituck Inlet, New York

Nicholas C. Kraus, U.S. Army Engineer Research and Development Center, Coastal and Hydraulics Laboratory, Vicksburg, MS and Brian K. Batten, Dewberry, Fairfax, VA

3:55 p.m.

Brevard County Multi-Purpose Artificial Surfing Reef Feasibility Study

Walker Dawson and Michael Walther, M.S., P.E., Coastal Technology Corp., Vero Beach, FL

4:20 p.m.

Regional Analysis for Brunswick County, NC, Beaches and Inlets

Michael J. Wutkowski, Greg L. Williams and William A. Dennis, U.S. Army Corps of Engineers, Wilmington District, NC, and Sophie Munger and Nicholas C. Kraus, U.S. Army Engineer Research and Development Center, Coastal and Hydraulics Laboratory, Vicksburg, MS

**National Conference on Beach Preservation Technology
February 18-20, 2009
TradeWinds Island Resorts
St. Pete Beach, Florida**

Wednesday, February 18, 2009

**OPENING SESSION continued
1:00 p.m. to 7:30 p.m.**

4:45 p.m.

Long-Term Synthetic Wave Records for Florida's Beaches

William R. Dally and Daniel A. Osiecki, Surfbreak Engineering Sciences, Inc., Winter Park, FL

5:10 p.m.

Adjourn

6:30 p.m.

Welcome Reception

Location: Exhibit Hall, Banyan Breezeway

National Conference on Beach Preservation Technology
February 18-20, 2009
TradeWinds Island Resorts
St. Pete Beach, Florida

Thursday, February 19, 2009

CONCURRENT SESSIONS

8:30 a.m. to 12 noon

SESSION A

8:30 a.m.

Nearshore Reef Mitigation: Success Stories from Both Florida Coasts

Chris Makowski, Andrew Hannes, Stacy Prekel, and Lauren Floyd, Coastal Planning & Engineering, Inc., Boca Raton, FL

8:55 a.m.

The Past, Present, and Future of Mitigation Reefs in Palm Beach County, Florida

Leanne Welch, Palm Beach County Department of Environmental Resources Management, West Palm Beach, FL

9:20 a.m.

Analysis of Nearshore Exposed Hardbottom, Case Study in Singer Island, Florida

Marc J. Damon, E.I., Brett Moore, P.E., and Ken Humiston, P.E., Humiston & Moore Engineers, Naples, FL

9:45 a.m.

Port Everglades Inlet Sand Bypass Project, Mitigation for Impacts to Rubble-Dominated Hardbottom Communities

Cheryl L. Miller, Coastal Eco-Group, Inc., Ft. Lauderdale, FL, Christopher G. Creed, P.E., Olsen Associates, Inc., Jacksonville, FL, and Stephen H. Higgins, Broward County Natural Resources Planning and Management Division, FL

10:10 a.m.

Professional Exchange Break

10:45 a.m.

Marine Turtles: Species-Specific Response to Beach Nourishment

Robbin N. Trindell and Meghan Koperski, Florida Fish and Wildlife Conservation Commission, Tallahassee, FL

11:10 a.m.

Real Time Coral Stress Observations Before, During, and After Beach Nourishment Dredging Offshore Southeast Florida, USA

Lou Fisher, Ken Banks, and David Stout, Natural Resources Planning and Management Division, Broward County, FL; Dave Gilliam, Richard E. Dodge, and Brian K. Walker, National Coral Reef Institute, Nova Southeastern University, Ft. Lauderdale, FL; and Bernardo Vargas-Angel, Coral Reef Ecology Division, NOAA, Pacific Islands Fisheries Center, Honolulu, HI

11:35 a.m.

Littoral Shoreline Change in the Presence of Hardbottom - Approaches, Constraints, and Integrated Modeling

Dilip K. Barua, Ph.D., Coastal Technology Corp., Melbourne, FL and Adjunct Professor, Ocean Engineering Program, Department of Marine and Environmental Systems, Florida Institute of Technology, Melbourne, FL, Michael Walther, P.E., Coastal Technology Corp., Vero Beach, FL, and Cliff Truit, P.E., Ph.D., Coastal Technology Corp., Sarasota, FL

12:00 noon

Luncheon

National Conference on Beach Preservation Technology
February 18-20, 2009
TradeWinds Island Resorts
St. Pete Beach, Florida

Thursday, February 19, 2009

CONCURRENT SESSIONS

8:30 a.m. to 12 noon

SESSION B

8:30 a.m.

Engineering Analysis, Field Measurements and Delft3D Numerical Modeling to Select Inlet Management Alternatives at Wiggins Pass, Collier County, FL

Lindino Benedet, Stephen Keehn, P.E., and Raphael Bonanata, Coastal Planning & Engineering Inc., Boca Raton, FL

8:55 a.m.

Process-Based Models: Tools for Coastal Analysis on Timescales of Tides to Centuries

Dr. Edwin Elias, Deltares, Netherlands and the US Geological Survey, Santa Cruz, CA

9:20 a.m.

Beach Response to Hurricanes in the Florida Panhandle

Emmett R. Foster, P.E., Florida State University, Beaches & Shores Resource Center, Tallahassee, FL

9:45 a.m.

Inlet Evolution Modeling of Multiple Inlet Systems, Application Case Studies in Southwest Florida

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

10:10 a.m.

Professional Exchange Break

10:45 a.m.

Coastal Analyst: Enhancing the Application of One-Dimensional Wave Height Models for Coastal Flood Hazards Through GIS

Guillermo Simon and John Messer, Taylor Engineering, Inc., Jacksonville, FL

11:10 a.m.

The Application of Response-Based Methods in Coastal Engineering

Claudio Fassardi, Halcrow, Inc., Long Beach, CA

11:35 a.m.

Evaluation of Full-Plane and Half-Plane STWAVE Model Results for Coastal Louisiana

Christopher Bender, Ph.D., P.E., Taylor Engineering, Inc., Jacksonville, FL

12:00 noon

Luncheon

National Conference on Beach Preservation Technology
February 18-20, 2009
TradeWinds Island Resorts
St. Pete Beach, Florida

Thursday, February 19, 2009

CONCURRENT SESSIONS

1:30 p.m. to 5:00 p.m.

SESSION C

1:30 p.m.

Beach Nourishment Within the Purview of Environmental Limitations

Thomas P. Pierro, P.E. and Charles W. Finkl, Ph.D., Coastal Planning & Engineering, Inc., Boca Raton, FL

1:55 p.m.

Technical Aspects for Designing and Permitting a Project Within a National Park on the South Shore of Long Island, New York

Stephen Keehn, P.E. and Quin Robertson, Ph.D., Coastal Planning & Engineering Inc., Boca Raton, FL

2:20 p.m.

Using Airborne LIDAR for Benthic Habitat Mapping

Charles W. Finkl, Ph.D., Quin Robertson, Ph.D., and Jeffrey L. Andrews, Coastal Planning & Engineering, Inc., Boca Raton, FL, and Scott Ramsay, Tenix LADS, Biloxi, MS

2:45 p.m.

A Review of What We Really Know About Sea Level Change

Gary T. Mitchum, Ph.D., College of Marine Science, University of South Florida, St. Petersburg, FL and Nicole A. Elko, Ph.D., Department of Environmental Management, Pinellas County, FL

3:10 p.m.

Professional Exchange Break

3:45 p.m.

Morphology Changes Along the West-central Florida Barrier Islands Predicted by the Coastal Modeling System (CMS)

Ping Wang and Tanya M. Beck, Department of Geology, University of South Florida, Tampa, FL, and Nicholas C. Kraus, Coastal and Hydraulics Laboratory, Engineer Research and Development Center, Vicksburg, MS

4:10 p.m.

Long-Term Simulation of Channel Infilling at Pensacola Pass, FL

Lihwa Lin, Coastal and Hydraulics Laboratory, Vicksburg, MS, Julie D. Rosati, U.S. Army Corps of Engineers, Mobile District, AL, and Nicholas C. Kraus, U.S. Army Engineer Research and Development Center, Coastal and Hydraulics Laboratory, Vicksburg, MS

4:35 p.m.

The Formation and Evolution of a New Breach at Chatham, MA: Implications for Regional Sediment and Navigation Management in a Multiple Inlet System

Donald K. Stauble, U.S. Army Engineer Research and Development Center, Vicksburg, MS, Theodore Keon, Department of Coastal Resources, Town of Chatham, Chatham, MA, and William M. Kavanaugh, U.S. Army Corps of Engineers, New England District, Concord, MA

5:00 p.m.

Adjourn

National Conference on Beach Preservation Technology
February 18-20, 2009
TradeWinds Island Resorts
St. Pete Beach, Florida

Thursday, February 19, 2009

CONCURRENT SESSIONS

1:30 p.m. to 5:00 p.m.

SESSION D

1:30 p.m.

Incorporating Overwash Into the Design of Beach Nourishment Projects Along Uninhabited Barrier Islands

Gordon Thomson, P.E., Christopher M. Day, P.E., Lindino Benedet, M.Sc., and Andrew Wycklendt, E.I., Coastal Planning & Engineering, Inc., Boca Raton, FL

1:55 p.m.

Terrebonne Basin Barrier Shoreline Restoration Project

Michael Poff, P.E. and Dr. Michael Stephen, P.G., Coastal Engineering Consultants, Inc., Naples, FL, and Dr. Aaron Bass and Robby Cangelosi, P.E., SJB Group, LLC, Baton Rouge, LA

2:20 p.m.

The Saraya Islands Development - Creating the Florida Coastline in the Middle East

Simon Burchett, Halcrow, Inc., Tampa, FL

2:45 p.m.

Key Findings of the Corps Shore Protection Assessment Initiative

William R. Curtis, U.S. Army Engineer Research and Development Center, Vicksburg, MS and Susan Durden, U.S. Army Engineer Institute for Water Resources, Alexandria, VA

3:10 p.m.

Professional Exchange Break

3:45 p.m.

Shoreline Management Options With Regional Sediment Management

Lesley Ewing, P.E., California Coastal Commission and University of Southern California, San Francisco, CA

4:10 p.m.

Initiatives on a Systems Approach to Coastal Protection

Donald E. Cresitello, U.S. Army Engineer Research and Development Center, Coastal and Hydraulics Laboratory, Vicksburg, MS

4:35 p.m.

Innovative Backpassing Concepts for Wildwood, NJ

Brian Bogle and Jeff Gebert, U.S. Army Corps of Engineers, Philadelphia District, PA; James E. Clausner, U.S. Army Engineer Research and Development Center, Vicksburg, MS; and Richard Binning, Javeler Construction Company

5:00 p.m.

Adjourn

National Conference on Beach Preservation Technology
February 18-20, 2009
TradeWinds Island Resorts
St. Pete Beach, Florida

Friday, February 20, 2009

CLOSING SESSION

8:30 a.m. to 12 noon

8:30 a.m.

Selecting a Stable Beach Material Size for Beach Replenishment using a Pragmatic, Field-Based Approach

Kevin Black, Ph.D., Partrac Ltd., Glasgow, United Kingdom

8:55 a.m.

Evolution of the Use of Beach Control Structures in Coastal Engineering

Andy Schofield, Halcrow, Inc., Tampa, FL

9:20 a.m.

Analysis of Central Miami Beach Erosion and Review of Mitigation Alternatives

Gary A. Zarillo, Lee E. Harris and Steven Jachec, Department of Marine and Environmental Systems, Florida Institute of Technology, Melbourne, FL, and Juan Curiel, Marina Blanco-Pape, and Brian Flynn, Miami-Dade County Department of Environmental Resources Management, Miami, FL

9:45 a.m.

Miami-Dade County 32nd Street Breakwaters Hotspot Engineering Alternatives Design Study and Recommendations

Jeffrey Tabar, P.E., PBS&J, Coastal & Waterways Division, Tampa, FL; Marina Blanco-Pape, P.E., Brian Flynn and Juan Curiel, P.E., Miami-Dade County Department of Environmental Resources Management, Miami, FL; and Todd DeMunda, Lizbeth Childs, P.E., and William Jones, P.E., PBS&J, Coastal & Waterways Division, Tampa, FL

10:10 a.m.

Professional Exchange Break

10:45 a.m.

The Predictability of Beach Nourishment Sediment Characteristics

Melany Larenas, P.G. and Beth Forrest, Ph.D., Coastal Planning & Engineering, Inc., Boca Raton, FL

11:10 a.m.

The Florida Department of Environmental Protection Bureau of Beaches and Coastal Systems Statewide Reconnaissance Offshore Sand Search (ROSS) Database

Lyle Hatchett, URS Corporation, Tallahassee, FL, Jennifer Koch, Florida Department of Environmental Protection, Bureau of Beaches and Coastal Systems, Tallahassee, FL, and Melany Larenas, Coastal Planning & Engineering, Inc., Boca Raton, FL

11:35 a.m.

Coastal Structures Inspection and Assessment Tool Box

Cheryl E. Pollock and Stan J. Boc, U.S. Army Engineer Research Center, Coastal and Hydraulics Laboratory, Vicksburg, MS

12:00 noon

Conference Adjourns