Tuesday, May 28th

KEYNOTE ADDRESSES

8:10 – 8:55  
The Nearshore Water-Land System during Major Storms  
Britt Raubenheimer, Qin Chen, Steve Elgar, Holly Michael, Laura Moore, Nina Stark

8:55 – 9:40  
Past, Present, and Future Considerations in Coastal Engineering  
Joan Pope

Coffee/Network Break

SESSIONS 10:10 – 11:30

Beaches 1

ICON.NL: Coastline Observatory to Examine Coastal Dynamics in Response to Natural Forcing and Human Interventions  
Stefan Aarninkhof, Matthieu De Schipper, Arjen Luijendijk, Gerben Ruessink, Marc Bierkens, Kathelijne Wijnberg, Dano Roelvink, Juul Limpens, Martin Baptist, Michel Riksen, Tjeerd Bouma, Sierd De Vries, Ad Reniers, Suzanne Hulscher, Arjan Wijdevel, Ap Van Dongeren, Carola Van Gelder-Maas, Quirijn Lodder and Ad Van Der Spek

Event-Driven Beach Morphology Change in Southeast Florida Evaluated with Traditional and UAS Surveys  
Tiffany Roberts Briggs, James Gammack-Clark
Medium-Term Morphological Change in the Backshore
  Yoshiaki Kuriyama, Shinichi Yanagishima, Masayuki Banno

Mixed Success for Development of an Artificial Lagoon
  Atilla Bayram, Sean O’neil

Seasonal Morphological Change at a Bar Built Estuary: Carmel River, CA
  M. M. Orescanin, W. Young, J. Coughlin, D. W. Herrmann, J. Metcalf

Coastal Marsh

Babitonga Bay Mangroves: Is There a Coastal Squeeze?
  Maiara Werner Pinto, Antonio H. F. Klein and Luis Pedro Almeida

Marsh Restoration Using Thin Layer Placement: Soil and Hydrologic Response to Direct Sediment Application
  Jacob F. Berkowitz, Christine M. Vanzomeren, Candice D. Piercy, Tyler A. Keys

Process Based Marsh Edge Erosion Modeling
  Q. Jim Chen

Modeling Wave Attenuation and Runup Due To Wave-Current-Vegetation Interaction
  Yan Ding, Margaret B. Owensby, Ling Zhu, Qin Chen, and Bradley D. Johnson

Predicting Marsh Shoreline Response behind Artificial Reef Products
  Thomas Everett, Craig Harter, Josh Carter, Arpit Agarwal

Coastal Structures 1

Morphological Responses of Nourished Beach with Various Coastal Structures
  Michael B. Kabiling, Michael E. Trudnak, Richard Bouchard

Experiments on Coastal Dike Resilience against Seaward Scouring Induced By Unexpected High Waves
  Tetsuya Takeshita, Naoki Fukuhara, Fuminori Kato, Tomoyoshi Koizumi, Toshihiro Shigebara, and Tatsuyuki Igarashi

Adapting To Coastal Change at Carters Beach, New Zealand
  Michael J. Allis, D. Murray Hicks
Coastal Processes and Morphologic Features of Florida Headlands Case Studies in South and Central Florida, USA

Mohamed Dabee, Matthew Fleming and Marc Damon

A New Concept for Lagoon Protection Guiding Spit Growth

Corinne Corbau, Umberto Simeoni, Alexandre Lazarou, William Nardin

SS-Coastal Hazards Forecasting and Early Warning System 1

Deterministic and Ensemble Forecasting of Storm Erosion on Sandy Coastlines

Harley, M.D., A.A. Asith, K.D. Splinter, I.L. Turner, A.N.A, Matheen, J.A. Simmons, C. Leaman

Operational Forecasting Of Coastal Resilience

Mark Davidson, Edward Steele and Andrew Saulter

Validation of a Bayesian Based Early Warning System for Coastal Hazards: The Emma Storm Impact at Faro Beach (South Portugal)

Theocharis. A. Plomaritis, Oscar Ferreira, and Susana Costas

iCoast – Did The Coast Change?: Storm-Impact Model Verification Using Citizen Scientists

Karen L.M. Morgan, Nathaniel G. Plant, Hilary Stockdon, Richard J. Snell

Earliest Detection of Sea-Level Rise Accelerations to Inform Upgrade/Replacement of Coastal Flood Defense Infrastructure

Robert J. Nicholls, Ivan D. Haigh, Hagen Radtke, Francisco Calafat, Paolo Cipollini, Philip Goodwin, Katy Francis

Welcome Luncheon

SESSIONS 13:20 – 15:00

Beaches 2

Shorecasts: A Blind-Test of Shoreline Models

Jennifer Montañó, Giovanni Coco, Jose A.A. Antolinez, Tom Beuzen, Karin Bryan, Laura Cavigal, Bruno Castelle, Mark Davidson, Evan Goldstein, Rai Ibaceta Vega, Deborah Idier, Bonnie Ludka, Sina Masoud Ansari, Fernando
Mendez, Brad Murray, Nathaniel Plant, Arthur Robinet, Ana Rueda, Nadia Senechal, Josh Simmons, Kristen Splinter, Scott Stephens, Ian Townend, Sean Vitousek, Kilian Vos

Simulating Beach Cusp Formation and the Effect of Wave Forcing
Christopher J. Daly, France Floc’h, Rafael Almar, Luis Pedro Almeida

Towards An Engineering Model for Profile Evolution: Detailed 3D Sediment Transport Modelling
Kasper Kaergaard, Jesper Sandvig Mariegaard, Ole Sørensen, Klaus Langgren Eskildsen, Nils Droenen, Rolf Deigaard, And David R. Fuhrman

Numerical Simulation of Ridge-Runnel Formation and Migration on a Steep Meso-Tidal Engineered Beach
Youn-Kyung Song, Jens Figlus, Patricia Chardón-Maldonado, Jack A. Puleo

Formation Mechanism of Comet-Tail Spit Extending on Lee of Mashima Island on Sone Tidal Flat
Takaaki Uda, Masumi Serizawa, Shiho Miyahara

Cohesive Sediment

Spatial and Annual Patterns of Erosion Threshold and Biofilms in an Intertidal Area, St. Lawrence Estuary, Canada
Atif Waqas, Urs Neumeier, and André Rochon

Geotechnical Site Investigation of a Soft Clay Surface Layer in the Pamunkey River, Virginia.
Dennis Kiptoo, Nina Stark, Grace Massey, Cristin Wright, Carl Friedrichs

Laboratory Investigations of Erosion of Pure Kaolinite Clay
Dake Chen, Bruce Melville, Chi Zhang, Huiming Huang, Yigang Wang, Jinhai Zheng, Kefeng Chen

The Influence of Particle Size and Frictional/ Cohesional Shear Strength Components on UK Salt Marsh Substrate Stability
Helen Brooks, Iris Möller, Tom Spencer, Katherine Royse, Matthew Kirkham, Simon James Price

Channels’ Shape Evolution Detected By Uavs in a Restored Salt Marsh
Yuri Taddia, William Nardin, Corinne Corbau, Giulia Franchi, Court J. Stevenson and Lorie W. Staver
Coastal Structures 2

A Semi-Analytical Shoreline Model, With an Application at Galveston Beach in Texas, USA

_Antonios Valsamidis, Dominic Reeve, Jens Figlus, Manasa Ranjan Behera, Piyali Chowdhury_

Morphologic Response To Groin Field Construction Long Beach, NY

_Frank Buonaiuto, Dianne Rahoy, David Yang, Jonathan Pierson_

Modeling Alternatives to Reduce Channel Shoaling At Bolivar Flare of Gulf Intracoastal Waterway in Galveston Bay, Texas

_Lihwa Lin, Z. Demirbilek, P. Hamilton_

Scale Experiments on Aeolian Deposition and Erosion Patterns Created By Buildings on the Beach

_Daan W. Poppema, Kathelijne M. Wijnberg, Jan P.M. Mulder & Suzanne J.M.H. Hulscher_

Numerical Modelling Of Storm-Driven Sediment Transport in Currituck Sound, NC

_A. Rey, R. P. Mulligan, D. R. Corbett, and H.M. Wadman_

SS-Coastal Hazards Forecasting and Early Warning System 2

Coastal Flooding, Coastal Change and Groundwater Inundation: Integration of Coastal Hazards Science for Today and Tomorrow


Forecasts of Coastal-Change Hazards

_Kara S. Doran, Hilary F. Stockdon, Joseph W. Long, Nathaniel G. Plant_

Development of a Real-Time, Regional Coastal Flood Warning System for Southwest England

_Kit Stokes, Tim Poate and Gerd Masselink_

The Contribution of Short Wave Breaking in the Storm Surge Associated with Klaus (2009/01/24) in the Southern Bay Of Biscay

_Laura Lavaud, Xavier Bertin, Kevin Martins, Gael Arnaud_
A seven-member ensemble, coastal hydrodynamic forecast tool and its application to the Indian River Lagoon system
   *Peyman Taeb, Robert J Weaver, Steven Lazarus*

**Coffee/Network Break**

**POSTERS: 15:00 – 17:30**

**BARRIER ISLANDS AND BEACHES**

Integrated Terrestrial and Submerged Sediment Flux Assessment along the Northern Chandeleur Islands, Louisiana, USA
   *Buster, N.A., Bernier, J.C., Miselis, J.L., and Plant, N.G*

Barrier Island Stability and Evolution Driven by the Competition between Overwash and Alongshore Sediment Transport
   *R. Palermo, A.D. Ashton, J. Lorenzo-Trueba, T. Swanson*

Consolidation and Overwash Processes on a Low-Lying Restored Barrier Island
   *Brian Harris, Cody Johnson, Navid Jafari, and Qin Chen*

Field Investigation of Two Retrogressive Breach Failures at Amity Point
   *Nicola Brilli, Nina Stark, Peter Nielsen, David Callaghan, Madeline Manning, Jeff Culp*

Numerical Investigation of the Irregular Wave-Induced Sediment Transport Processes
   *Zhubin Cao, Chi Zhang, Hongshuai Qi, Yao Zhang, Jinhai Zheng, Shanhang Chi*

Alongshore Variations of Sandbar Morphodynamics under Normal and Energetic Conditions
   *Jun Cheng, Ping Wang, Mathieu A. Vallée*

Sensitivity and Uncertainty Analysis of Coastal Numerical Model under Various Beach Conditions in Korea
   *Minsang Cho, Hyun-Doug Yoon, Jung-A Yang, Sangyoung Son*

Influence of Wave Climate and Tidal Regime on Headland Bypassing - Study Case: Northern São Francisco Do Sul Island, SC, Brazil.

Circulation and Sediment Fluxes on a Macrotidal, Exposed and Embayed Coastline
    N. G. Valiente, J. Mccarroll, G. Masselink, T. Scott, D. Conley and E. King

Nearshore Wave Transformation and Evolving Bathymetry during a Hurricane
    Elora M. Oades, Ryan P. Mulligan, Margaret L. Palmsten, Allison M. Penko

Spectral Analysis of Beach Cusp Evolution Using 3D Lidar Scans
    Annika O’dea, Katherine L. Brodie

Long-Term Depth Contour Change Model Using Hsu’s Formula
    Seung Min Park, Jung Lyul Lee, Heui Jung Seo, Dong Soo Har, Ji Hoon Song

Quasi-Periodic Barrier Overstepping
    Daniel J. Ciarletta, Jorge Lorenzo-Trueba, Andrew D. Ashton

Foraminifera Taphonomy as Proxy for Large Wave Events: A Case Study in the Marshall Islands
    James F. Bramante, Andrew D. Ashton, Jeffrey P. Donnelly

Towards a Flood Risk Assessment on a Reef-Lined Coastline
    Ana Rueda, Laura Cagigal, Dylan Anderson, Curt Storlazzi, Ap Van Dongeren, Stuart Pearson, John Marra, Peter Ruggiero, Fernando Méndez

Exploring Reef Island Morphodynamics: A Physical Modelling Methodology
    Megan Tuck, Murray Ford, Gerd Masselink, Paul Kench

CASE STUDIES

Sediment Flux Variability on Tidal Flats: Results from Morecambe Bay, UK
    I. D. Lichtman, M. E. Williams, P. D. Thorne, L. O. Amoudry and the BLUEcoast Team

COASTAL ADAPTATION TO CLIMATE-CHANGE INDUCED IMPACTS

Assessment of Present and Future Bottom Shear Stress in the Estuary and Gulf of St. Lawrence
    C. Dufresne, S. Senneville, U. Neumeier, A. Normandieu, J. Caveen and D. Dumont
Incorporating a Probabilistic Climate Emulator into an Agent-Based Coastal Futures Forecasting System
   Meredith Leung, Peter Ruggiero, Dylan Anderson, Fernando J. Mendez, Ana Rueda, John Bolte

Flood Hazard Assessment to Inform Future Adaptation Strategies in a Hyper-Tidal Estuary
   C. E. Lyddon, J. M. Brown, N. Leonardi, and A. J. Plater

Toward A National Coastal Hazard Forecast Of Total Water Levels
   Alfredo L. Aretxabaleta, Kara S. Doran, Joseph W. Long, Li H. Erikson, Curt D. Storlazzi

COASTAL DUNES & AEOLIAN PROCESSES

Beach Dune Erosion, Observation and Modelling
   Georgios Azorakos, Kasper Kærgaard, Joshua A. Simmons, Kristen D. Splinter

Modelling the Effects of Shoal Attachment on Dune Growth
   Filipe Galiforni Silva, Kathelijne M. Wijnberg, Alma V. De Groot, Suzanne J. M. H. Hulscher

Drivers of Dune Evolution in Cape Lookout National Seashore, NC
   Paige A. Hovenga, Peter Ruggiero, Nicholas Cohn, Katya R. Jay, Sally D. Hacker, Michael Itzkin, Laura Mooore

Surrogate Model Development for Coastal Dune Erosion under Storm Conditions

Decadal-Scale Dune Evolution at Duck, North Carolina
   Jie Zhang, Magnus Larson, and Caroline Hallin

COASTAL STRUCTURES MORPHOLOGIC RESPONSE

Relative Effect of Offshore Winds and Storm Waves on the Efficiency of Beach Nourishment behind Breakwaters, the Barcares Beach, France
   Yann Balouin, Eric Palvadeau

Quantification of the Shoreline Evolution of an Open Beach between Coastal Defenses
Donatus Bapentire Angnuureng, Phillip-Neri Jayson-Quashigah, Kwasi Appeaning Addo, Denis Worlanyo Aheto, Rafael Almar, Frederic Bonou, Emmanuel Brempong

Vessel-Mounted Hydrophone Measurements to Estimate Bedload Transport of Coarse Shelly Sediments
   Sabrina Homrani, France Floc’h, Nicolas Le Dantec, Xavier Demoulin, Christophe Delacourt

The Study on the Effect of Coastal Erosion Mitigation Using Artificial Coral Reef - Understanding With 3 Dimensional Hydraulic Experiment
   Sunghoon Hong, Taeyoon Kim, Jongyeong Kim, Gwang Soo Lee, Dong Soo Hur, Jong Sung Yoon, Soonchul Kwon

Layout Design of Coastal Structures for Mitigating Beach Erosion
   Jung L. Lee, Sahong Lee, Tae-Kon Kim, Won Chul Cho

Shoreline Response behind a Permeable Detached Breakwater
   Jung L. Lee, J. Kim, Y. Jiang, W. Shen, I.H. Kim

**Wednesday, May 29th**

**SESSIONS 8:10 – 9:50**

**Barrier Islands 1**

Effect of Tidal Inlet Stabilization on Barrier Island Morphodynamics
   Jaap H. Nienhuis

The Effect of Stochastically Simulated Storm-Induced Breaches on the Long-Term Morphological Evolution of Barrier Coasts

The Role of Surficial Sediment Distribution Maps In Regional Sediment Management
   Beth Forrest, Syed Khalil, Edward Haywood, Richard Raynie

A Large-Scale Experimental Study on Sand Dike Breaching By Wave Overtopping and Overflow
   Yanqiao Wang, Da Xu, Qian Li, Zhiguo He, Weiming Wu

Method for Observing Breach Geomorphic Evolution: Satellite Observation of
the Fire Island Wilderness Breach
   Timothy R. Nelson, Jennifer L. Miselis

Measurement I

Numerical Modeling of Three-Dimensional Fine Sediment Plume Dispersion
   Sean O’neil, Say-Chong Lee, Haoxuan Zheng, Euan Zhang

Measuring Settling Velocity in a Strongly Tidal Estuary
   R. M. Allen, E. A. Variano, and J. R. Lacy

Continuous Monitoring Of a Nearshore Berm Placement at New Smyrna Beach, FL via Coastal Imagery
   Brittany Bruder, Katherine Brodie, Nicholas Spore, Alexander Renaud, Kevin Hodgens

Erosional Channels in a Barrier Shoal: Frequency or Magnitude?
   Ulf Erlingsson, Rotciv Jiménez

Dual Frequency Acoustic Measurements of Turbulence and Sedimentary Flows
   France Floc’h, Clemence Ingouf, Frederic Jourdin, Christopher Daly, Luis Pedro Almeida, Guillaume Detantd and Rafael Almar

Large Scale I

Flow Structure of Submarine Gravity Flow
   Himangshu S. Das

Understanding Long Term Coastal Change and Variability Using A Simple and Efficient Multi-Process Model
   Jose A. A. Antolínez, Dylan Anderson, Fernando Méndez, Peter Ruggiero, George M. Kaminsky

Comparing Empirical Depths of Closure along the U.S. East Coast
   P. Barrineau, R. Janmaat, T. W. Kana

Assessment of the Effect of Shoreface Nourishments Using Autonomous Bar Behavior
   Per Soerensen

A “Refined” Approach to Sediment Budgets. Understanding the Sediment Budget of the Western Wadden Sea, the Netherlands.
Edwin Elias, Ad Van Der Spek, Tommer Vermaas, Marian Lazar

**SS-Carbonate and Reef Lined Coast 1**

Controls on Sediment Transport over Coral Reefs off Southwest Puerto Rico: Seasonal Patterns and Hurricane Maria  
*Olivia M Cheriton, Curt D Storlazzi, Kurt J Rosenberger, Clark Sherman*

Fall Velocity Determination of Individual Grain Size Classes in a Carbonate Rich Environment: Implications for Numerical Modeling  
*Irene M Watts, Gary A Zarillo*

Spatial and Temporal Variability in Ripple Formation and Migration across a Coral Reef Flat and Lagoon  
*Kurt Rosenberger, Curt Storlazzi, Andrew Pomeroy, Olivia Cheriton, Ryan Lowe, and Jeff Hansen*

Integrating Structure from Motion, Numerical Modelling and Field Measurements to Understand Carbonate Sediment Transport in Coral Reef Canopies  
*Andrew Pomeroy, Curt Storlazzi, Kurt Rosenberger, Gerry Hatcher and Jonathan Warrick*

The Influence Of Sea Level On Incident And Infragravity Wave-Driven Sediment Dynamics Across A Fringing Coral Reef  
*Curt Storlazzi, Olivia Cheriton, Kurt Rosenberger, Andrew Pomeroy, and Ryan Lowe*

**Coffee/Network Break**

**SESSIONS 10:20 – 12:00**

**Barrier Islands 2**

A Fundamental Study on Eco-Drr Function of Beaches Along Kii Channel  
*Kohji Uno, Tetsuya Kakinoki*

Arctic Barrier Island Dynamics May Increase Wave Energy Reaching Alaska’s Mainland Shoreline  
*Li Erikson, Ann Gibbs, Bruce Richmond*

Assessment of Natural and Anthropic Drivers to the Evolution of Ria Formosa Barrier Island System
Katerina Kombiadou, Ana Matias, Susana Costas, A. Rita Carrasco, Óscar Ferreira, Theocharis Plomaritis

Modeling the Morphological Response of a Barrier Island to Hurricane Matthew
Ellen Quataert, Marlies Van Der Lugt, Christopher Sherwood Maarten Van Oormond and Ap Van Dongeren

Drowned Foredune Ridges as Evidence of Pre-Historical Barrier-Island State Changes between Migration and Progradation
Justin L. Shawler, Daniel J. Ciarletta, Jorge Lorenzo-Trueba, Christopher J. Hein

Measurement 2

Depth and Surface Current Inversion on the Fly a New Video Based Approach Using the Dynamic Mode Decomposition
Matthijs Gawehn, Sierd De Vries, Stefan Aarninkhof

The Use of Planet Cubesat Imagery to Examine Ebb-Tidal Delta Dynamics
Murray Ford, Mark Dickson

Rapid Coastal Sediment Characterization from Satellite Imagery
Nina Stark, Julie Paprocki, Nicola Brilli, Chris Mcbride, Hans C. Graber

European Hydralab Developments in Acoustics for Studying Near-Bed Sediment Dynamics under Waves over Sandy Rippled Beds
Peter D. Thorne, David Hurther, Richard D. Cooke, Ivan Caceres, Pierre A Barraud, Agustín Sanchez-Arcilla

Time-Series of Shoreline Change from Publicly Available Satellite Imagery
Kilian Vos, Kristen D. Splinter, Mitchell D. Harley, Joshua A. Simmons, Ian L. Turner

Large Scale 2

Method For Calculating Annual Sand Transports On The Dutch Lower Shoreface To Assess The Offshore Boundary Of The Dutch Coastal Foundation

A Federal-State Partnership for Mapping Florida’s Coast and Sea Floor
Effects of a Tidal Lagoon on the Hydrodynamics of Swansea Bay, Wales, UK
Jose M. Horrillo-Caraballo, Yunzhu Yin, Iain Fairley, Harshinie Karunarathna, Ian Masters, Dominic E. Reeve

Limits of Cross-Shore Sediment Exchange at Decadal Scales
T. W. Kana, H. L. Kaczkowski

Persistence of Sorted Bedforms on the Glaciated Rhode Island Shoreface at the Weekly to Decadal Scale
Bryan A. Oakley

SS-Carbonate and Reef Lined Coast 2

Morphological Change on a Coral Reef Atoll: Manihiki Atoll, Cook Islands
Hannah E Power, Victoria K Miller

Rapid Accumulation of Coral Debris on Coral Cays in Tuvalu by Storm Waves and Subsequent Deformation
Susumu Onaka, Takaaki Uda, Toshiro San-Nami, Shingo Ichikawa, Junko Mimaki

Evidence of Vertical Building of Reef Islands through Overwash and Implications for Island Futures
Paul S. Kench, Edward P. Beetham

Wave Dissipation and Lagoon Infilling In the Southern Great Barrier Reef
Ana Vila-Concejo, Lia Scambary, Louis Johansson, Stephanie J Duce, Sarah Hamynton, Jody M Webster, Tristan Salles, Kazuhiko Fujita, Hironobu Kan

Modeling Response of Coral Reef Islands to Sea-Level Rise
Gerd Masselink, Eddie Beetham and Paul Kench

LUNCH ON YOUR OWN

SESSIONS 13:30 – 15:10

SS-Louisiana Barrier Island 1

Performance of Barrier Island Restoration Projects on the Western Lobe of the Modern Mississippi Delta, Louisiana, U.S.
Lindino Benedet, Thomas Pierro

East Timbalier Island and the Need for a Barrier Island Renourishment Plan
   Travis Byland, Greg Grandy

The Effect of Sediment Properties on Restored Barrier Island Morphodynamics:
   Implications for Using Nearshore VS Offshore Sediments
   Ioannis Y. Georgiou, Brittany L. Kime, Michael D. Miner

Implementing a Back Barrier Marsh Creation Project Utilizing the CPRA Marsh Creation
   Russ J. Joffrion, P.E.

Shell Island Restoration – Comparing the Use of Different Sediment Types in Barrier Island Construction
   Whitney C. Thompson Barry Richard

Coastal Dunes and Aeolian Processes 1

The Role of Belowground Biomass on Short Term Dune Evolution
   Duncan Bryant, Caitlin Hoch, Leigh Provost, Gary Bell, and Mary Bryant

Coastal Inlet Infilling From Aeolian Sediment Transport
   Nicholas Cohn, Katherine Brodie, Peter Ruggiero, Bart Van Westen, Sierd De Vries

Effect of Aeolian Processes on a Constructed Dune
   Marije W.J. Smit, Willem, P. Bodde, Anne H. Verheijen, Jakolien Leenders, Carolien Wegman

The Role of Sediment Supply to the Aeolian Coastal Dune System in Contrasting Areas.
   Sierd De Vries, Yichuan Gong, Bas Hoonhout

Role of Water Level in Storm Impacts of a Hyper-Tidal Coast
   Pushpa Dissanayake, Jennifer Brown, Philipp Sibbertsen, Christian Winter

Regional Sediment Management 1

Sediment Transport and Climate Change in Northern Yucatan
   Christian M Appendini, Oswaldo Carrillo-Rodriguez, Rafael Meza-Padilla
Predicting Color Change of Dredge Sediment from Fine Sediment Losses and Mixing Through Hopper Dredging and Beach Placement
  Anthony M. Priestas, Jacob F. Berkowitz, Christine M. Vanzomeren

Sediment Sorting By Hopper Dredging and Placement Operations
  S. Jarrell Smith, Anthony M. Priestas, Duncan B. Bryant, Katherine E. Brutsché, and Kelsey A. Fall

Bluff Feature Extraction for The Great Lakes Shorelines
  L. Dunkin, E. Eisemann, M. Hartman, J. Wozencraft, W. Cross, G. Schmidbauer, and K. Mcclain

Dredging Realities and Rising Seas: Wetland Beneficial Use of Dredged Sediments in the San Francisco Bay Estuary
  Brandon Boyd, Candice Piercy, Matthew Bates, Joseph Gailani, James Morris, Todd Bridges

SS-Headland Bypassing

Headland Sediment Bypassing and Overpassing: Examples from Southern Brazil
  Antonio H.F. Klein, Guilherme Vieira Da Silva, Andrew D. Short, Elírio E. Toldo Jr., Maiara W. Pinto

Gravel Beach Cross- And Alongshore Response to an Extreme Event: Beach Length and Headland Proximity Controls
  R. Jak McCarroll, Gerd Masselink, Mark Wiggins, Tim Scott, Oliver Billson, Daniel Conley

Modeling Shoreline Evolution and Headland Sediment Bypassing At Platform Beaches
  Rui Taborda, Mónica Ribeiro

Longshore Sediment Interruption and Bypassing Of a Multipurpose Artificial Reef – Preliminary Results
  Guilherme Vieira Da Silva, Darrell Strauss, Saeed Shaeri, Thomas Murray, Rodger Tomlinson, Daniel Hamilton

Modeling Sediment Bypassing Around Idealized Rocky Headlands
  Douglas A. George, John L. Largier, Gregory B. Pasternack, Patrick L. Barnard, Curt D. Storlazzi, Li H. Erikson

Coffee/Network Break
SESSIONS 15:40 – 17:00

SS-Louisiana Barrier Island 2

Louisiana’s Barrier Island System – A Programmatic Approach to Restoration
   Syed M. Khalil, Richard C. Raynie, Joseph Leblanc

Barrier Island System Deterioration in South Louisiana: Geomorphic Change and Implications for Restoration
   Jennifer L. Berlinghoff, Mark R. Byrnes, Syed M. Khalil

Coupled Barrier System Shoreline and Shoreface Dynamics Louisiana, USA
   Benjamin S. Beasley, Ioannis Y. Georgiou, Michael D. Miner, Mark R. Byrnes

West Grand Terre Island and the Need for Beach Nourishment and Stabilization
   James Mcmenis, P.E., Steve Dartez, P.E.

Hot Spot Erosion on Grand Isle, LA – Identification and Causes
   Joshua Carter, Victoria Curto, and Arpit Agarwal

Coastal Dunes and Aeolian Processes 2

The Relation between Longshore Variations in Grain Size Distribution and Sediment Transport Processes
   Caroline Hallin, Björn Almström, Magnus Larson, Hans Hanson

Aeolian Modelling Of Coastal Landform Development

Modeling Storm Waves and Dune Morphology Change
   Bradley D. Johnson and Katherine L. Brodie

Predicting Dune Growth at the Sand Engine by Coupling the Delft3D Flexible Mesh and Aeolis Models
   Arjen Luijendijk, Sierd De Vries, Thijs Van Het Hoof, Matthieu De Schipper

Development of Coastal Holocene Transgressive Dunefields: Examples from South Australia
   Graziela Miot Da Silva, Patrick Hesp
Regional Sediment Management 2

Southwest and East Coast of Florida Borrow Area Analysis and Recharacterization
  Jennifer Steele, Beth Forrest, Quin Robertson, Beau Suthard, Candace Beauvais

Interaction between Tidal Inlet Shoals and Short and Long-Term Sand Budgets on the East Central Florida Coast
  Gary A. Zarillo

Maintaining the Integrity of an Estuary: East Sand Island Breach Prevention
  Jarod Norton, Rod Moritz, Austin Hudson, Travis Davidson, Terrance Geroux

Management And Remediation Of Wood Waste Impacted Sediments At Aquatic Cleanup Sites In Washington State: Lessons Learned After 20 Years Of Cleanup.
  John Evered, Chance Asher, Russ Mcmillan

Strategic Placement of Dredged Material in Vilano Beach, Florida, USA
  Katherine E. Brutsché, Brian C. Mcfall, Honghai Li, Jesse E. McNinch, Jase D. Ousley, Jason A. Engle, Coraggio K. Maglio

SS - USCRP

US Coastal Research Program: Building a Research Community to Support Coastal Stakeholders
  Hilary Stockdon, Leighann Brandt, Mary Cialone, Nicole Elko, John Haines, Jeff Lillycrop, Julie Rosati

During Nearshore Event Experiment (DUNEX): A Collaborative Community Field Data Collection Effort
  Mary Cialone, Nicole Elko, Jeff Lillycrop, Hilary Stockdon, Britt Raubenheimer, and Julie Rosati

Coastal Model Test Bed Evaluation of CSHORE Hydrodynamic Prediction Performance
  David L. Young, A. Spicer Bak, Bradley D. Johnson, Nicholas Cohn

Evaluating Modeled and Measured Wave Direction in the Nearshore
  Spicer Bak, Patrick J. Dickhudt, Tyler J. Hesser, Jane M. Smith

Unmanned Aerial Vehicle Data Integration for Coastal Modeling
Ayse Karanci, Katherine L. Brodie, Nicholas J. Spore, Justyna Jeziorska, Elizabeth J. Sciaudone

Evening Poster Session with Drinks and Nibbles

POSTERS: 17:30 – 19:30

COASTAL BLUFFS & COASTAL MARSHES

Long-Term Trends, Short-Term Shocks and Cliff Responses for Areas of Critical Coastal Infrastructure
    Susan M Brooks, Tom Spencer

Influence of the Industrial Port Complex of Suape on Ipojuca Estuarine Surface Sediments Spatial Distribution, Seasonality and Characteristics of Organic Matter
    L.D. Santos, T. T. Veiga, P.B. Camargo & R.L. Barcellos

COUPLED NATURAL - HUMAN SYSTEMS

Co-Development of Coastal Sediment Management Approaches In Social Ecological Systems in Southern California
    Kristen A. Goodrich, Nicola Ulibarri, Richard Matthew, Paroma Wagle, Matthew Brand, Eric Stein, Brett Sanders

Coupling Geomorphology and Socioeconomics to Account for Groin Downdrift Erosion
    Arye Janoff, Jorge Lorenzo-Trueba, Porter Hoagland, Di Jin, and Andrew Ashton

A Coastal Geo-Economic Model for Artificial Dune Management in New Jersey
    Jesse Kolodin, Jorge Lorenzo-Trueba, Porter Hoagland, Di Jin, Andrew Ashton

Geophysical Visualization of Reef Island Accretion and Stratigraphic Architecture Using Ground Penetrating Radar
    Yiqing Liang, Paul S. Kench, Murray R. Ford, Holly K. East

Observations of Infragravity Dominance in the Swash Zone of a Steep Gravel Beach
    Oliver Billson, Paul Russell, Mark Davidson, Mark Wiggins, Jak McCarroll, Timothy Poate, Nicoletta Leonardi
Measuring Clast Movement on Gravel Beaches
    Mark E. Dickson, Paul S. Kench, Brittany Ford, Courtney Murray

INLETS & NAVIGATION CHANNELS

Morphological Modeling of Tidal Inlet Evolution: An Application to Mundaú Inlet, Brazil
    Almir Nunes De Brito, Magnus Larson, Carlos Ruberto Fragoso

Observations of Suspended Particle Size Distribution on an Energetic Ebb-Tidal Delta

Process-Based Modeling on Morphology Evolution of Laolonggou Tidal Inlet in Bohai Bay of China
    Hao Zhu, Liqin Zuo, Yongjun Lu

LARGE SCALE COASTAL BEHAVIOR

Modeling Regional Coastal Evolution in the Bight of Benin, Gulf Of Guinea, West Africa
    Ondoa Gregoire Abessolo, Magnus Larson, Rafael Almar, Bruno Castelle, Edward J. Anthony, Johan Reyns

Multi-Timescale Shoreline Modelling
    Rob Schepper, Sierd De Vries, Ad Reniers, Caroline Katsman, Rafael Almar, Erwin Bergsma, Mark Davidson

Regional Scale Morphological Changes of the Barrier Islands at the Bay Entrance in Response to Engineering Activities in Tampa Bay
    Mathieu A. Vallée, Ping Wang, Jun Cheng

Net Sediment Transport in the Fine-Grained Jiangsu Coast, China: Contribution of Wind
    Peng Yao, Min Su, Zhan Hu, Shouqian Li, Yongping Chen

LONG - TERM COASTAL EVOLUTION

Quantification of Uncertainty in Sandbar Morphology Predictions
    Ashley Ellenson, Gregory Wilson, Tyler Hesse
Geometric Parameter Relationships for Salient and Tombolo in a Multiple Offshore Breakwater System  
*Jung L. Lee and J.R.C. Hsu*

COVE: A New Vector-Based Gravel Barrier Evolution Model  
*Benjamin Phillips, Jennifer Brown, Martin Hurst, Andrew Plater*

Long-Term Evolution of a Tidal Inlet in a Multi-Outlet Estuarine-Bay System: Case Study of the Shiziyang Tidal Inlet, Pearl River Delta  
*Min Su, Peng Yao, Zhan Hu, Zheng Gong and Yongjun Lu*

**MEASUREMENT TECHNIQUES IN THE COASTAL ZONE**

Tsunami Induced Scour on Structures  
*Conor Jordan, Ravindra Jayaratne, Sophie Mugnaini and Mara Nicholas*

The Effect of Turbulence and Particle Size on Suspended Sediment Concentration Measurements in the Intertidal Zone  
*Evelien Brand, Anne-Lise Montreuil, Margaret Chen*

Linking Environmental Forcing To the Evolution of an Ebb-Tide Delta at Ettalong Point (SE Australia)  
*Chris D Drummond, James T Carley and Kilian Vos*

Detailed Sediment Class Mapping Using Unmanned Aerial Vehicles  
*Iain Fairley, Anouska Mendzil, Michael Togneri, Dominic E. Reeve*

Analysis of Vertical Pore Pressure Gradients in the Lower Intertidal Zone  
*Matthew Florence, Nina Stark*

Survey of Physical Elements for Identification of Sediment Transport Mechanism  
*Inho Kim, Hyunseok Lee, Junglyul Lee*

Investigating Moisture Contents of Sandy Beaches in the Context of a Geotechnical Site Characterization  
*Madeline Manning, Nina Stark*

Use of Multispectral Imagery for Geotechnical Characterization of Sandy Beach Sediments  
*Julie Paprocki, Nina Stark, Hans C. Graber, Jesse Mcninich, Heidi Wadman*
Analysis of the Impact of Harbors on the Coastline Configuration Using Unmanned Aerial Vehicles

Alvaro Quijano Manzanilla, Luis Esteban Jiménez, and Ernesto Mendoza Ponce

Measuring Complex Beach-Dune Morphology and Nearshore Processes Using UAVs

Mel Rodgers, Mathieu Vallee, Ping Wang and Jun Cheng

“BEACHPRO® System: Bringing Beach Profile Monitoring To Smartphones. A Tool for Embracing Society into Integral Coastal Management Process” System Improvements and San Miguel Case Study

Solis A, Osegueda J.C, Suarez M. and Tamayo D.

Investigation on the Capabilities of Low-Cost and Smartphone-Based Coastal Imagery for Deriving Coastal State Video Indicators: Applications on the Upper Mediterranean

Nico Valentini, Yann Balouin, Thibault Laigre, Clement Bouvier, Remi Belon, Alessandra Saponieri

Crossshore Sand Patterns in the Intertidal Zone: A Case Study with Permanent Laser Scanning At Kijkduin Beach

S.E. Vos, R.N.P. Hobbel, L. Spaans, S. De Vries and R.C. Lindenbergh

NATURAL AND MAN-MADE HEADLAND SEDIMENT BY AND OVER-PASSING

Evidences of Headland Sediment Bypassing At Nazaré Norte Beach, Portugal

João Duarte, Rui Taborda, Monica Ribeiro

Sediment Bypass and Overpass Contributions for Boa Vista Island Coastal Evolution

Césaria Gomes, Pedro Jm Costa, João Cascalho, Ana Nobre Silva, Rui Taborda, Filipa Santos, Vera Lopes

U.S. COASTAL RESEARCH PROGRAM

US Coastal Research Program: Fostering Academic Research

Julie Dean Rosati, Nicole Elko, Hilary Stockdon, W. Jeff Lillycrop, Mary Cialone
Thursday, May 30\textsuperscript{th}

**SESSIONS 8:10 – 9:50**

**Beaches 3**

Formation of Sandy Foreshores in Low-Energy Microtidal Environments  
*Anne M. Ton, Vincent Vuik, Stefan G.J. Aarninkhof*

Sediment Diffusivity in the Absence of Mean Current dynamics  
*Daniel Conley*

Understanding and Modelling Wave-Driven Mixed Sand Transport  
*J.J. Van Der Werf, F. Staudt, D. Posanski, W. Van De Wardt, J. Van Der Zanden, B. Vermeulen, J.S. Ribberink and S. Schimmels*

The Roles of Flow Acceleration and Deceleration in Sediment Suspension in the Surf Zone  
*Bruce Jaffe, Seanpaul La Selle*

Alonghore Variability in Dune Retreat: Waves or Sediment Supply?  
*Christopher Sherwood*

**Barrier Island 3**

Will Nature Work With Us? Erosion and Flooding Impacts on a UK Barrier  
*James A Pollard, Susan M Brooks, Tom Spencer, Elizabeth K. Christie, Iris Möller*

Application of Sediment End-Member Analysis for Understanding Sediment Fluxes, Northern Chandeleur Islands, Louisiana  
*Julie C. Bernier, Jennifer L. Miselis, Noreen A. Buster, James G. Flocks*

Evolution of Barrier Island Restoration in Louisiana: Implications of a Sand Limited Environment  
*Brett Borne, Brad Miller*

Observations of Bed Elevation Changes at Cape Canaveral Shoals  
*Juan F. Paniagua-Arroyave, Sabrina M. Parra, Arnoldo Valle-Levinson, Peter N. Adams*

Controlling Swash Zone Slope Is Key to Beach Profile Modelling.  
*Dano Roelvink, Robert Mccall, Susana Costas and Marlies Van Der Lugt*
Beneficial Use of Dredged Sediment

Nearshore Dredged Material Placement and Transport in Southern Lake Michigan
Honghai Li, Katherine Brutsche, Brian Mcfall, Kaitlyn Mcclain, David Buccaro, Erin Maloney

Sediment Management Strategies Available at the Texas Gulf Intracoastal Waterway and Its Dredged Material Placement Areas
Moya, J’, K. Calvez, M. Mahoney, K. Frenzel, A. Risko

Variation Analysis of Littoral Sediment Associated With a Nearshore Berm
Sara Ramos, Gary Zarillo

Development of Borrow Areas along the Lower Mississippi River
Gordon Thomson, Ben Hartman, Brad Miller, Dain Gillen, Matt Clark, Rodey Batiza,
John Sullivan, Blake Cotton and Alicia Sellers

Laboratory Investigation of Factors Impacting Coastal Marsh Consolidation After Nourishment
Zachary Tyler and Susan Bailey

Coastal Adaptation to Climate Change

Adaptation to SLR in Mediterranean Urban Coasts. The Barcelona Case
Jose A Jimenez, Agustin Sanchez-Arcilla

Impact of Hurricane Irma on Keewaydin Island, Southwest Florida Coast
Felix Jose, Michael Savarese, Andrew M. Gross

Selecting Strategic Disaster Risk Reduction and Climate Change Adaptation Measures along the Coast Of West-Africa
Annelies Bolle, Luciana Das Neves, Leo De Nocker, Ali Dastgheib, Koen Couderé

To What Extent Are Societies Able To Adapt To 21st Century Sea-Level Rise?
Robert J. Nicholls, Jochen Hinkel, Jose Jimenez, Daniel Lincke, Jeroen Aerts,
Sally Brown, Paolo Scussolini, Agustin Sanchez-Arcilla, Athanasios Vafeidis,
Kwasi Appeaning Addo

Quantifying the Climate Change Impact on Pocket Beaches By Means Of a Probabilistic Approach: The Case of Donostia/San Sebastian, Spain
Coffee/Network Break

SECTIONS 10:20 – 12:00

Beaches 4

MODEX: Laboratory Experiment Exploring Sediment Spreading of a Mound under Waves and Currents

Matthieu De Schipper, J. Hopkins, M. Wengrove, I. Saxoni, M. Kleinhans, N. Senechal, B. Castelle, F. Ribas, B.G. Ruessink, B. Murphy, S. Melelland

Observations and Numerical Model Results of Morphodynamic Feedback Owing To Wave-Current Interaction

J. Hopkins, M.A. De Schipper, M. Wengrove, F. De Wit, B. Castelle

Wave Driven Sand Ripple Formation and Evolution on a Mound

Seok-Bong Lee, Meagan Wengrove, Julia Hopkins, Ioanna Saxoni, Matthieu A. De Schipper

Spatial Variability in Beach Morphology With Respect To Wave Exposure along a Zeta-Shaped Coastline

Thomas Murray, Darrell Strauss, Guilherme Vieira Da Silva, Courtney Wharton

Shoreline Variability Related To Sandbar Morphometrics on a Single-Barred Beach in NW Baja California

Jesús Adrián Vidal-Ruiz, Amaia Ruiz De Alegria-Arzaburu

Beaches Nourishment 1

Pinellas County Coastal Management

John Bishop, Andrew Squires

Beach Versus Shoreface Nourishment Experiment

Sebastian Dan, Gwenda Vos, Anne-Lise Montreuil, Toon Verwaest and Daphné Thoon

An Innovative Sand Harvesting Technology with Coastal Applications at Galveston Island, Texas
Empirical Formula to Estimate Borrow Sediments Ultimate Beach Capability through Case Studies, in Florida and Texas

Coraggio Maglio, P.E., Cfm, Dr. Himangshu Das, P.E., Mr. Fred Fenner

Application of the Coastal Resilience Index to Beach and Dune Systems in Florida and Texas

Zhifei Dong, Nicole Elko, William Robertson, Julie Dean Rosati

Working with Nature

Combined Effects of Physical and Biological Processes On Coastal Dynamics and Recovery: The Bluecoast Project Approach

Laurent O. Amoudry, Andres Payo, Andrew Plater, Martin Solan, R. Jak Mccarroll, Iris Moller, Thomas Spencer, Charlotte Thompson, Jennifer M. Brown, Sue Brooks, Andrew Barkwith, Giovanni Coco, Nicoletta Leonardi, Michael A. Ellis, Mick Van Der Wegen, Jasmin Godbold, David Paterson, Eli Lazarus, Richard Whitehouse, Alejandro Souza, And The Bluecoast Team

Cross-Shore Sandbars Response to an Artificial Reef: An Intersite Comparison

C. Bouvier, B. Castelle, Y. Balouin, K. D. Splinter, M. Blacka and B. Dubarbier

Regeneration of Partially Dredged Sandwaves

Signe Mie Larsen, Andreas Roulund, Duncan Lee McIntyre

Enhancing Brouwersdam after the Complete Damming Of the Grevelingen Estuary in 1971, In the SW Netherlands

Marian Lazar, E.P.L. Elias

Building With Nature – Can Nourishments Solve All Problems?

T. Vermaas, M. De Kleine, C. Mesdag, D.R. Mastbergen, R. Hoogland

Long Term 1

The Long-Term Impact of Closing of an Estuary Mouth / Tidal Inlet at Its Ebb-Tidal Delta – A Conceptual Model

Ad Van Der Spek, Edwin Elias

Headland and Wave Climate Controls on the Formation and Shaping Of the Outer Cape Cod Coastline
Andrew Ashton, Rose Palermo, James Schadt, and Luis Germano Biolchi

Climate Change And Cleanup: A Vulnerability Assessment and Adaptation Strategy for Washington State’s Contaminated Sites
   Chance Asher

Building an Index of Exposure to Coastal Change in Eastern Africa with Applications to Conservation of Cultural Heritage
   Luciana S. Esteves, Caridad Ballesteros

Genesis of the German North Sea Coastline in Context of Sea Level Rise and Storm Surges over the Past 1000 Years
   Jürgen Jensen

Award Luncheon

SESSIONS 13:30 – 15:10

Beaches 5

Climate Control on Winter Wave Activity in the Northeast Atlantic and Impacts on Beach Erosion and Recovery along the West Coast of Europe
   Bruno Castelle, Guillaume Dodet, Gerd Masselink, Tim Scott

Atmospheric Climate Control of Directional Waves in The United Kingdom & Ireland
   Tim Scott, Mark Wiggins, Gerd Masselink, Bruno Castelle, Guillaume Dodet, Andy Saulter

Seasonal Recovery of a Sandy Wave-Dominated Beach: The Example Of Truc Vert-France
   Nadia Senechal, Melanie Biausque, Stephane Bujan, Sophie Ferreira

Investigating Bedload Transport under Asymmetrical Waves Using a Coupled Ocean-Wave Model
   Tarandeep S. Kalra, Christopher R. Sherwood, John C. Warner, Yashar Rafati and Tian-Jian Hsu

Rotational Beach Response to Directionally Bi-Modal Wave Climates
   M. Wiggins, T. Scott, G. Masselink, P. Russell

Beaches Nourishment 2
Artificial Beach Nourishment Performance: 3D Laboratory Tests  
André Guimarães, Carlos Coelho, Paulo A. Silva, Fernando Veloso-Gomes

Quantification of Model Uncertainty in Lifetime Predictions of Nourishments  
Anna Kroon, Matthieu De Schipper, Pieter Van Gelder, Stefan Aarninkhof

Gravel Beach Nourishment at a Low-Wave Energy Environment to Control the Effects of Global Warming  
Hyun Dong Kim, Kyu Han Kim, Shin-Ichi Aoki, Seong Wook Koo And Kisu Kwak

Experimental Observation of Artificial Sandbar Response to Large Waves  
Yuan Li, Chi Zhang, Yu Cai, Zeming Wang, Haoye Yang, Songgui Chen, Hongshuai Qi, Jiawen Sun

Numerical Analysis of the Erosion Mechanism for Beach Nourishment: A Case Study  
Chi Zhang, Mingxiao Xie, Jiawen Sun, Peng Wang, Wenzhang Fan, Pengfei Xu

Inlet and Navigation 1

Inlet Management Strategies with Case Studies from Florida  
Thomas Pierro, Morjana Signorin, Joao Dobrochinski

Passage Key Inlet Management Study – Spatial and Temporal Variations In Alongshore Sediment Transport in Anna Maria Island, Florida  
Morjana Signorin, Michelle R. Pfeiffer, Joao P.H. Dobrochinski, Lindino Benedet & Thomas P. Pierro

Management Study at Multiple Natural and Engineered Tidal Inlets, West-Central Florida, USA  
Ping Wang, Jun Cheng, Mathieu A. Vallée, Zachary Westfall

Development of a Complex Dynamically Coupled Hydrodynamic and Sedimentation Model for the Brazos River Floodgates, Texas  
Craig Harter, Patrick Mclaughlin, Joshua Carter, Matthew Mahoney

Temporal and Spatial Scales of Sediment Transport Pathways for Sandy Barrier Tidal Inlets  
Tanya M. Beck, Ping Wang
Long Term 2

Improving Shoreline Change Forecasts through Coastal Seabed Mapping and Sediment Budgeting
  Michael A. Kinsela, David J. Hanslow, Michelle Linklater, Rafael C. Carvalho, Bradley D. Morris, Timothy C. Ingleton, Katie M. Allen, Michael D. Sutherland, Colin D. Woodroffe

Application of CMS Model for Groin Field Layout Design at Rockaway Beach, New York
  Suzana Rice, Frank Buonaiuto, David Yang, Daniel Falt, Robert Hampson, Layla Kashlan

Foredune Evolution in Eastern Australia: A Management Case Study on Warilla Beach
  Thomas B. Doyle, Andrew D. Short, and Colin D. Woodroffe

Daily To Decadal Variability of Beach Morphology at Nasa-Kennedy Space Center: Storm Influences across Timescales
  Matthew P. Conlin, Peter N. Adams, Nathaniel G. Plant, John M. Jaeger, Richard Mackenzie

Influence of Wave Breaking Type on Sand Bars Formation
  Sergey Kuznetsov, Yana Saprykina

Coffee/Network Break

SESSIONS 15:40 – 17:00

Beaches 6

A Bayesian Network for Equilibrium Ripples
  Margaret L. Palmsten, Angela Sarni, Samuel Bateman and Allison M. Penko

New Understanding of a Coastal Erosion Hotspot in a Bimodel Wave Climate
  Jon J. Williams, John Atkinson, Darren M. Price, Luciana S. Esteves, Shirin S. Costa

Data-Driven Modelling of Shoreline Evolution
  Joshua A. Simmons, Kristen D. Splinter and Tomas Beuzen
Towards The Development of a Morphological Model for Composite Sand-Gravel Beaches
   Robert Mccall, Huub Rijper, Chris Blenkinsopp

Sea Level Rise Impact on Constrained Beaches in Barbados
   Mohammad Dibajnia, Onur Kurum

River Delta

Morphodynamics of an Abandoned Delta Lobe in NE Greenland
   Aart Kroon, Mette Bendixen, Lars Nielsen, Charlotte Sigsgaard

Field Study on River Mouth Processes during Flood with High Waves at the Tenryu River in Japan
   Yuya Sasaki, Shinji Sato

River Delta and Shoreline Response to a Massive Increase in Sediment Supply: the Influence of Sediment Supply, Wave and Tidal Currents
   J.A. Warrick, A.W. Stevenc, I.M. Miller, A.C. Ritchie

Sediment Bypassing Mechanisms at River Mouths: Examples in the Mediterranean
   Yann Balouin, Eric Palvadeau and Francois Bourrin

Bedload Transport at the Mississippi-Atchafalaya River Diversion
   Bo Wang, Y. Jun Xu

Inlet and Navigation 2

3D Morphodynamic Modelling Of A Mixed- Energy Tidal Inlet

Monitoring Tidal Inlet Dominance Shifts in a Cyclically Migrating Barrier Beach System
   Mark Borrelli, Graham S. Giese, Theodore L. Keon, Bryan Legare, Theresa L. Smith, Mark Adams, Stephen T. Mague

Wave-Skewness and Current-Related Ebb-Tidal Sediment Transport: Observations and Modeling
Sediment Management and Navigation Optimization at Collier Creek, Florida
   J.P.H. Dobrochinski, J. Mcalpin, S. Keehn, T. Brenner

Modelling Hydrodynamics in the Ameland Inlet as a Basis for Studying Sand Transport
   C.M. Nederhoff, R.A. Schrijvershof, P.K. Tonnon, J.J. Van Der Werf, and E.P.L. Elias

Long Term 3

How Do Multiple Beach and Dune Ridges Emerge and Evolve In Prograding Coasts?
   Susana Costas, Katerina Kombiadou, Dano Roelvink

The Role of Coastal Sediment Sinks In Modifying Longshore Sand Fluxes: Examples from the Coasts of Southern Brazil and the Mid-Atlantic USA
   Christopher J. Hein, Justin L. Shawler, Jose M. De Camargo, Antonio H.D.F Klein, Christopher Tenebruso, Michael S Fenster

Cross-Shore Sediment Transport for Modeling Long-Term Shoreline Changes in Response to Waves and Sea Level Change
   Yan Ding, Sung-Chan Kim, Rusty L. Permenter, Richard Styles, and Tanya M. Beck

Forecasting Future Coastline Change: How to Address Limitations and Opportunities?
   A. Brad Murray, Jose A. A. Antolínez

Estimation of River Mouth Opening Migration Rate Based On Sand Volume Conservation Model and Image Observation
   Wakhidatik Nurfaida, Takenori Shimozono