

North Carolina Beach, Inlet & Waterway Association's 27th Annual Conference
November 18th & 19th 2024

Earn Engineering, Surveying and Geology PDHs and CECs for Floodplain Managers

DAY 1 - Monday, November 18

Breakfast

7:00

Sponsor: *Currituck and Dare Counties and the Towns of Duck and Southern Shores*
Meeting Coffee and Water
Sponsor: *Brunswick County*

8:15

Opening Remarks-Bobby Outten, NCBIWA Chairman and Kathleen Riely, NCBIWA Executive Director

SESSION 1: Regulatory & Policy Updates

Moderator: COL Steve Baker, Former Commander, Wilmington District, USACE

8:30

U.S. Army Corps of Engineers Update- Robert (Bob) W. Keistler, PE, and Brennan Dooley, Program and Projects Management, Andrea Currylow, MSc, PhD, and John N. Policarpo, Environmental Resources Section, Wilmington District, USACE

9:45

N.C. Division of Coastal Management (DCM) Program Updates- Daniel Govoni and Heather Coats, N.C Division of Coastal Management

10:05

N.C. Division of Water Resources Budget/Policy Updates-Kevin Hart, N.C. Division of Water Resources

10:25

Morning Break
Sponsor: *New Hanover County*

SESSION 2: Legislative and Policy Updates

Moderator: Justin Whiteside, Ocean Isle Beach Town Administrator

10:40

How North Carolina's Office of Recovery and Resiliency (NCORR) Program Benefits North Carolina Communities-Holly B. White, Resilience Planner, North Carolina Office of Recovery and Resiliency

11:05

National Flood Insurance Program Update-Lisa Sharrard, ANFI, CFM, Owner, Choice Flood Insurance, LLC

11:30

History of Buxton, North Carolina- Heather Jennette, Jeff Dawson and Brian Harris, Buxton Civic Association

11:55

N.C. General Assembly Update-Representatives Frank Iler (Brunswick) and Ted Davis (New Hanover)

12:15

NETWORKING LUNCH - 2024 AWARDS PRESENTATION
Sponsors: *Town of Wrightsville Beach*

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SESSION 3: Offshore Wind in North Carolina
Moderator: Kathleen Riely, Executive Director, NCBIWA

1:30 **Offshore Wind Energy Panel Discussion**-Jennifer Mundt, Assistant Secretary of Clean Energy Economic Development, NC Department of Commerce, Seth Theuerkauf, PH.D., Renewable Energy Program Specialist, Bureau of Ocean Energy Management (BOEM), Casey Reeves, National Renewable Energy Policy Program Analyst, Bureau of Safety and Environmental Enforcement (BSEE), Trish Murphey, NC Division of Marine Fisheries, Jen Banks, Permitting & Development Director for TotalEnergies' Carolina Long Bay Project

3:00 **Federal Legislative Update on Offshore Energy Revenue Sharing and WRDA 2024-**
Neal McMillin, Louisiana Department of Energy & Natural Resources Director of Federal Affairs

3:25 **Afternoon Break**
Sponsor: Town of Holden Beach

SESSION 4: New Technologies
Moderator: Ken Willson, Senior Project/Program Manager, CPE

3:45 **Nearshore Wave Energy Converters for Coastal Resiliency**-George Bonner, P.E., and Michael Muglia, PhD Coastal Studies Institute

4:05 **Terrestrial Scanning of Inlet Shorelines Utilizing Kinematic Workflows with a Scanner Mounted on a Survey Vessel**-Daniel Kroeze, Lidar Technician, McKim & Creed

4:25 **The Application of Drone Technology to Monitor and Assess Coastal Environments and Projects**-Adam Priest and Frank Marshall, Coastal Protection Engineering

4:45 **USACE-ERDC Uncrewed Survey System Development**- Ian Conery, PhD and Spicer Bak, PhD, US Army Engineer Research and Development Center, Coastal and Hydraulics Laboratory, Field Research Facility, Duck NC

5:05 **NCBIWA Annual Meeting - NCBIWA Election of New Board Members and Officers**

5:15 **NCBIWA Board of Directors Meeting-Welcoming New Board Members and Officers**

5:20 **EVENING RECEPTION: *Sponsored by Great Lakes Dredge and Dock, Coastal Protection Engineering, Moffatt & Nichol and Figure 8 Island***

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DAY 2 - Tuesday, November 19

Breakfast

7:15 **Sponsor: *Thomas S. Kenan III Foundation***
Meeting Coffee and Water
Sponsor: *Brunswick County*

SESSION 5: Regional Partners

Moderator: Dawn York, Senior Coastal Scientist, Moffatt & Nichol

8:30 **Sea Level Rise in North Carolina: Context, Impacts and CRC Science Panel Summary**-Andrea Hawkes, Ph.D., Professor, Earth and Ocean Sciences, UNCW's Center for Marine Science and Joseph Long, Ph.D., Associate Professor, Coastal Engineering at University of North Carolina Wilmington

9:05 **A Turnkey Approach to Comprehensive Nature-Based Tidal Wetland Conservation and Enhancement: Guinea Marsh Shoreline Protection and Oyster Restoration Plan**-Tad Schwendler, COO, Natrx, Lise Montefiore, PhD, Data Scientist, Natrx

9:30 **Maximizing Regional Sand Management in North Carolina Panel Discussion**-Doug Piatkowski, Marine Biologist, BOEM, Ken Richardson, Shoreline Management Specialist, NCDCM, Mayor Elizabeth White, Town of Oak Island, Joseph Long, Ph.D., Associate Professor, Coastal Engineering at University of North Carolina Wilmington

10:40 **Networking Break**
Sponsor: *Village of Bald Head Island*

SESSION 6: Waterways and Inlet Management

Moderator: Dan Dawson P.E.

10:55 **What In The World Is A Water Injection Dredge?** - William Fuller, Coastal Engineer, HDR

11:20 **Emergency Inlet Dredging prior to Peak Tourism Season at Lockwood Folly Inlet**-Fran Way, PE, ATM of NC

11:45 **Abandoned and Derelict Vessel Program in North Carolina**- Ted Wilgis Coastal Scientist/ Marine Debris Program Manager and Kerri Allen, Coastal Advocate/Coastal Management Program Director, North Carolina Coastal Federation

NETWORKING LUNCH

12:15 **Sponsors: *Carteret County and the Towns of Emerald Isle, Indian Beach, Pine Knoll Shores, Atlantic Beach and Beaufort***

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SESSION 7: Coastal Projects
Moderator: Merrie Jo Alcoke

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| 1:45 | Innovative Solutions for Oak Island's Flooding Challenges -Marc Horstman, PE, PH, BC.WRE, WK Dickson/Ardurra |
| 2:10 | High Water in the Holy City – The Charleston Water Plan -Jared Bramblett, PE, Moffatt & Nichol |
| 2:35 | Implementing Coastal Resiliency Plans -Sandy Cross, Town of Duck, J.D. Hines, P.E., ENV SP, VHB |
| 3:00 | Closing Remarks -Kathleen Riely, NCBIWA Executive Director |

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