

Tuesday, January 24th
IOOS/SURA Super-Regional Coastal Modeling Testbed

Location: Room 337 (New Orleans Convention Center)
Sponsor: 10th Symposium on the Coastal Environment
Co-chairs: Frank Aikman, NOAA; Christopher N. K. Mooers, Portland State University; Douglas R. Levin, Washington College

Papers:

8:30 AM 4.1

Overview of the IOOS/SURA Super-Regional Coastal Modeling Testbed
<<http://ams.confex.com/ams/92Annual/webprogram/Paper202880.html>>
Rick Luettich, University of North Carolina at Chapel Hill, Morehead City, NC; and D. Wright, E. Smith, D. Levin, R. Signell, C. Friedrichs, J. Harding, and E. Howlett

8:45 AM 4.2

Intercomparison of 3-D Models for Estuarine Hydrodynamics and Hypoxia within the US IOOS Super-Regional Coastal Modeling Testbed
<<http://ams.confex.com/ams/92Annual/webprogram/Paper202680.html>>
Carl T. Friedrichs, Virginia Institute of Marine Science, Gloucester Point, VA; and A. J. Bever, M. A. M. Friedrichs, and A. The Estuarine Hypoxia Team

9:00 AM 4.3

Sensitivity Analysis of Temperature and Salinity From a Suite of Numerical Ocean Models for the Chesapeake Bay
<<http://ams.confex.com/ams/92Annual/webprogram/Paper202714.html>>
Lyon W. J. Lanerolle, NOAA/National Ocean Service, Silver Spring, MD; and A. J. Bever and M. A. M. Friedrichs

9:15 AM 4.4

The Community Operational Chesapeake Bay Regional Ocean Modeling System (ChesROMS) and Its Skill Assessment
<<http://ams.confex.com/ams/92Annual/webprogram/Paper196252.html>>
Wen Long, University of Maryland, Cambridge, MD; and R. Hood, C. T. Friedrichs, M. Friedrichs, K. Sellner, J. Wiggert, J. Xu, and L. Lanerolle

9:30 AM 4.5

Transitioning a Chesapeake Bay Ecological Prediction System to Operations
<<http://ams.confex.com/ams/92Annual/webprogram/Paper202811.html>>
David Green, NOAA National Weather Service, Silver Spring, MD; and C. Brown, F. Aikman, A. Siebers, H. Tolman, M. Ji, D. Levin, C. Friedrichs, M. Friedrichs, and R. Hood

11:00 AM 5A.1

An Overview of Shelf Hypoxia Efforts in the SURA Super-Regional Modeling Testbed
<<http://ams.confex.com/ams/92Annual/webprogram/Paper193788.html>>
John Harding, Northern Gulf Institute, Stennis Space Center, MS; and K. Fennel, R. Hetland, and J. Wiggert

11:15 AM 5A.2

A High-Resolution 3D Hypoxia Model for the Louisiana Shelf
<<http://ams.confex.com/ams/92Annual/webprogram/Paper196366.html>>
Dong S. Ko, NRL, Stennis Space Center, MS; and J. C. Lehrter, M. C. Murrell, R. M. Greene, R. W. Gould, and B. Penta

11:30 AM 5A.3

Hypoxia Modeling in the Chesapeake Bay and the Northern Gulf of Mexico

<<http://ams.confex.com/ams/92Annual/webprogram/Paper202463.html>>

Jiangtao Xu, NOAA, Silver Spring, MD; and R. Patchen

11:45 AM 5A.4

Hindcast Simulations of Hydrodynamics in the Northern Gulf of Mexico

<<http://ams.confex.com/ams/92Annual/webprogram/Paper202537.html>>

Zizang Yang, NOAA, Silver Spring, MD; and E. Wei, A. Zhang, R. Patchen, and

F. Aikman

1:30 PM 6A.1

Improving NOAA's Capacity to Address Coastal Inundation Events: The Storm Surge

Roadmap and the Way Forward

<<http://ams.confex.com/ams/92Annual/webprogram/Paper202882.html>>

Jesse Feyen, NOAA, Silver Spring, MD

1:45 PM 6A.2

IOOS/SURA Extratropical Storm Inundation Testbed: Preliminary Results for Scituate MA

<<http://ams.confex.com/ams/92Annual/webprogram/Paper200924.html>>

Changsheng Chen, University of Massachusetts-Dartmouth, New Bedford, MA; and

R. Beardsley, R. Luettich, D. Slinn, H. Wang, J. Westerink, and W. Perrie

2:00 PM 6A.3

An Inundation Forecast System for Scituate, MA

<<http://ams.confex.com/ams/92Annual/webprogram/Paper200928.html>>

Robert Beardsley, Woods Hole Oceanographic Institution, Woods Hole, MA; and

C. Chen, Q. Xu, J. Qi, and H. Lin

2:15 PM 6A.4

Inter-Model and Intra-Model Evaluations of Simulating Hurricane Wave and Storm Surge Environments in the Gulf of Mexico

<<http://ams.confex.com/ams/92Annual/webprogram/Paper201833.html>> Joannes

Westerink, University of Notre Dame, Notre Dame, IN; and P. C. Kerr, A. S.

Donahue, M. Hope, R. Luettich, R. Weaver, R. Beardsley, C. Chen, J. Feyen,

J. Hanson, E. Devalier, A. Kramer, A. T. Haase, H. Lander, C. Li, W. A.

Perrie, B. Toulany, J. R. Rhome, C. Forbes, D. Slinn, J. R. Davis, H. Wang,

R. Weisberg, and L. Zheng

2:30 PM 6A.5

Using Hindcasts of Hurricanes Ike and Rita to Validate Tidal Improvements to the

SLOSH Model <<http://ams.confex.com/ams/92Annual/webprogram/Paper198615.html>>

Amy T. Haase, NOAA, Silver Spring, MD; and A. A. Taylor

2:45 PM 6A.6

Implications of 2D Vs 3D Model Formulation on Hurricane Ike Storm Surge

<<http://ams.confex.com/ams/92Annual/webprogram/Paper202858.html>>

Lianyuan Zheng, University of South Florida, St. Petersburg, FL; and R. H.

Weisberg, R. Luettich, J. Westerink, A. S. Donahue, and P. C. Kerr

3:30 PM 7A.1

The Effect of Bottom Boundary Layer Dynamics on the Forerunner Simulation During Hurricane Ike in the Gulf of Mexico

<<http://ams.confex.com/ams/92Annual/webprogram/Paper203012.html>>

Harry Wang, Virginia Institute of Marine Science, Gloucester Point, VA

3:45 PM 7A.2

On the Use of Wave Parameterizations and a Storm Impact Scaling Model in National Weather Service Coastal Flood and Decision Support Operations

<<http://ams.confex.com/ams/92Annual/webprogram/Paper196615.html>>

Mark Willis, NOAA/NWS, Bohemia, NY; and H. Stockdon, R. Thompson, A. Mignone, and J. W. Cannon

4:00 PM 7A.3

The Predictability of near-Coastal Currents Using a Coastal Forecast System Based on Unstructured Grids

<<http://ams.confex.com/ams/92Annual/webprogram/Paper197593.html>>

Cheryl Ann Blain, NRL, Stennis Space Center, MS; and M. K. Cambazoglu, R. S. Linzell, K. M. Dresback, and R. L. Kolar

4:15 PM 7A.4

Cyberinfrastructure to Support a Modeling Testbed

<<http://ams.confex.com/ams/92Annual/webprogram/Paper202934.html>>

Eoin Howlett, Applied Science Associates, Inc., South Kingstown, RI; and R. Signell, K. Wilcox, E. Welles, C. Galvarino, A. Crosby, J. Davis, H. Lander, and A. Bird

4:30 PM 7A.5

A Proving Ground As a Foundation for Testbed Activities - A Path to Operations for Coastal Oceanographic Models and Their Components

<<http://ams.confex.com/ams/92Annual/webprogram/Paper195857.html>>

Douglas R. Levin, Washington College, Chestertown, MD

4:45 PM 7A.6

Sneaker Waves: The State of Understanding and Art of Forecasting

<<http://ams.confex.com/ams/92Annual/webprogram/Paper200300.html>>

Brian Garcia, NOAA/NWS, Eureka, CA; and T. Nicolini