**AGENDA: 15th ADCIRC WORKSHOP April 18-19, 2011**

**Hosted by the Naval Research Laboratory, Oceanography Division, Stennis Space Center, MS**

**Day 1 – Monday, April 18**

8:00 Registration

8:45 Opening Remarks Dr. Ruth Preller, Head, Oceanography Division, NRL

 Cheryl Ann Blain, NRL

**Operational Modeling Applications and Performance Presenter Affiliation**

9:00 Development of Extratropical Surge Yuji Funakoshi NOAA/NOS

 and Tide Operational Forecast System (ESTOFS)

9:20 ADCIRC and how it supports CI-FLOW Suzanne Van Cooten NOAA/OAR

9:40 Portable Operational Forecasting Jason Fleming UNC

BREAK

10:10 Performance of a River Tool for Operations Robert Linzell QinetiQ

10:30 Current work in LiDAR feature extraction and

 mesh construction David Coggins Marea Tech.

10:50 Operational forecasts supporting Navy operations Philip Chu NRL

11:10 Sources of coastal forecast error Cheryl Ann Blain NRL

DISCUSSION

12:00-1:00pm LUNCH

**Coupled Modeling Presenter Affiliation**

1:00 Multi-model coupling with ADCIRC

 for coastal storm simulations Chris Massey ERDC

1:20 Mesh resolution and its effect on ADCIRC+SWAN Juan Gonzalez U Puerto Rico

 coupling: circulation or wave modeling?

1:40 Issues in wave-circulation coupling Casey Dietrich U Texas

DISCUSSION

BREAK

**Coupled Modeling** (continued)  **Presenter Affiliation**

2:30 A coupled hydrologic/waves/hydrodynamic

 modeling system for coastal inundation Kendra Dresback U Oklahoma

2:50 Ice Coupling Chris Massey ERDC

3:10 An Analysis of Regional Refinement Methods and Zachary Cobell Arcadis

 Nesting in the ADCIRC model

3:30 Issues for Coupled Baroclinic Modeling Kemal Cambazoglu USM/NRL

DISCUSSION

6:00pm Poster Session and DINNER at Palmetto’s in Slidell

POSTERS

 Low- Versus High-Resolution Finite Element Modeling

 of Storm Surge In the Yellow River, Florida Matthew Biliskie U Central Fl

 ArcADCIRC: Integrating Geographical Information

 Systems and ADCIRC for hurricane storm surge

 modeling Celso Ferreira Texas A&M U

 Determining surface roughness parameters from

 field measurements Stephen Medeiros U Central FL

**Day 2 – Tuesday, April 19**

**Storm Surge Presenter Affiliation**

9:00 Typhoon simulation on the Yellow Sea SeungWon Suh Kunsan Nat. U, Korea

9:20 Evaluating differences in modeled storm surge

 response between 2D and 3D constructs Robert Weaver UNC

9:40 SWAN + ADCIRC: Stories from the SC Surge Study Ashley Naimaster Taylor Engr.

BREAK

10:10 Impacts of Climate Change on Storm Surge and

 Waves in Coastal Alabama: Gulf Coast Study, Phase II Bret Webb U So. Alabama

10:30 ADCIRC Model Sensitivity Analysis For Coastal FIS Robert Jacobsen Taylor Engr.

10:50 Experiences with North Carolina inundation studies –

 Identifying and resolving problems in model solutions Rick Luettich UNC

DISCUSSION

**New Developments and Issues Presenter Affiliation**

11:30 What’s new in ADCIRC v49 Jason Fleming UNC

12:00-1:00 LUNCH

1:00 Recent Progress on DG-ADCIRC Ethan Kubatko Ohio State U

1:20 An alternative algorithm for wetting and Randy Kolar U Oklahoma

 drying in ADCIRC

1:40 Issues in modeling rivers Paul McKay NRL Paul McKay NRL

DISCUSSION

 A parallel processing issue Kendra Dresback U Oklahoma

 Priorities for bug/issue fixes

BREAK

 Inventory of development plans

 Inventory of operational plans

 Other discussion items

3:30-4:00pm WRAP-UP and CONCLUSION

**19-22 April 2011 ADCIRC BOOT CAMP** (ADCIRC and SMS Training)

19 April (Tuesday) 4:00-6:00pm ADCIRC Boot Camp Bldg 1100, Logtown Room

20 April (Wednesday) 9:00-5:00pm ADCIRC Boot Camp Bldg 1009, C-wing conference room

21 April (Thursday) 9:00-5:00pm ADCIRC Boot Camp Bldg 1009, C-wing conference room

22 April (Friday) 9:00-1:00pm ADCIRC Boot Camp Bldg 1009, C-wing conference room