

12th ADCIRC MODEL WORKSHOP

16 – 17 April 2008

*Naval Research Laboratory
Oceanography Division,
Stennis Space Center, MS*

LOCATION: Bldg. 1005, Rm. A-32

Registration Fee: \$20 Due upon arrival
A receipt will be issued upon request.

AGENDA

April 16

Allow at least 30 minutes for processing at the South Gate

8:30 am Register and Gather for coffee/tea, juice, bagels, and fruit, etc.
9:00 am Welcome, Meeting logistics Blain

RECENT CODE DEVELOPMENT

9:15 am Progress with ADCIRC-DG Kubatko
Implementation of the Inverse Ocean Modeling system within ADCIRC Luo
Stabilization Ideas for Advective Terms in CG-ADCIRC Toohey

10:15 am BREAK

10:30 am Development Details of NRL's DG ADCIRC Massey
Process-Oriented Tests for Baroclinic Models Szpilka
Baroclinic Enhancements to ADCIRC Dresback
Applications at NRL for a Baroclinic ADCIRC Model Blain

12:00 -1:00 pm Catered Lunch

12:30 pm DISCUSSION – Current Code Release Description Westerink/Luettich
DG Codes – where do they fit in?
Test Case Repository?
Need/Issues

COUPLED MODELING

1:00 pm Coupled, Unstructured Grid, Wave and Circulation Models: Preliminary Results Dietrich
ADCIRC-STWAVE coupling Ratcliff
Model Coupling with ESMF Campbell
A Preliminary Look at ADCIRC/Hydrologic Model Coupling Tromble

DISCUSSION

2:45 pm BREAK

TOOLS AND VISUALIZATION

3:00 pm Implementation of and Unstructured Grid netCDF I/O Option Forbes
Updates to the ADCIRC Interface in SMS Moreland
Demo of NRL's ADCIRC Tools for Model Set-up and Grid Generation Linzell
GMT Visualization Tools Szpilka

DISCUSSION

5:00 pm ADJOURN

6:00 pm Dinner at Trapani's Eatery, Bay St. Louis, MS

17 April

8:00 am Gather for coffee/tea, juice, bagels, and fruit, etc.

RECENT APPLICATIONS

8:30 am NOAA's Development of ADCIRC Tide Modeling Applications in support of the VDatum Vertical Datum Transformation Tool
NOAA Developmental Storm Surge Modeling
ADCIRC Modeling for FEMA Flood Studies: Puerto Rico and Hawaii Cases
New Developments in the Lake Ponchartrain Forecasting System
ADCIRC Modeling of Riverine Flow, Tides and Storm Surge in the lower Mississippi Delta

Yang
Funakoshi
Drei-Horgan
Fleming

Martyr

9:45 am BREAK

10:00 am ADCIRC Applications for Navy Operations at NRL
Recent ADCIRC Activities at WorldWinds
ADCIRC Research Activities at Northern Gulf Institute
Northern Gulf Institute – Gulf of Mexico Meeting

Blain
Jelley
Fitzpatrick
Carron

PLANNING SESSION

11:15 am Open FORUM –
Immediate Needs
Coordinated model development
Other Issues ??

12:15 pm Adjourn