



US Army Corps of Engineers
Engineer Research and Development Center
Coastal and Hydraulics Lab



Schedule for the 17th Annual ADCIRC Model Workshop
April 29-30, 2013

Monday April 29, 2013

8:00 - 8:45	Registration
8:45 - 9:00	Opening Remarks
9:00 - 12:00	Session 1 -- Applications & Analysis
12:00 - 1:00	Lunch (Onsite)
1:00 - 3:30	Session 2 -- New Developments
3:30 - 3:45	Break
3:45 - 5:00	Session 3 -- Discontinuous Galerkin Methods
6:00 - 7:00	Social Hour at the BB Club
7:00 -	Banquet Dinner at the BB Club

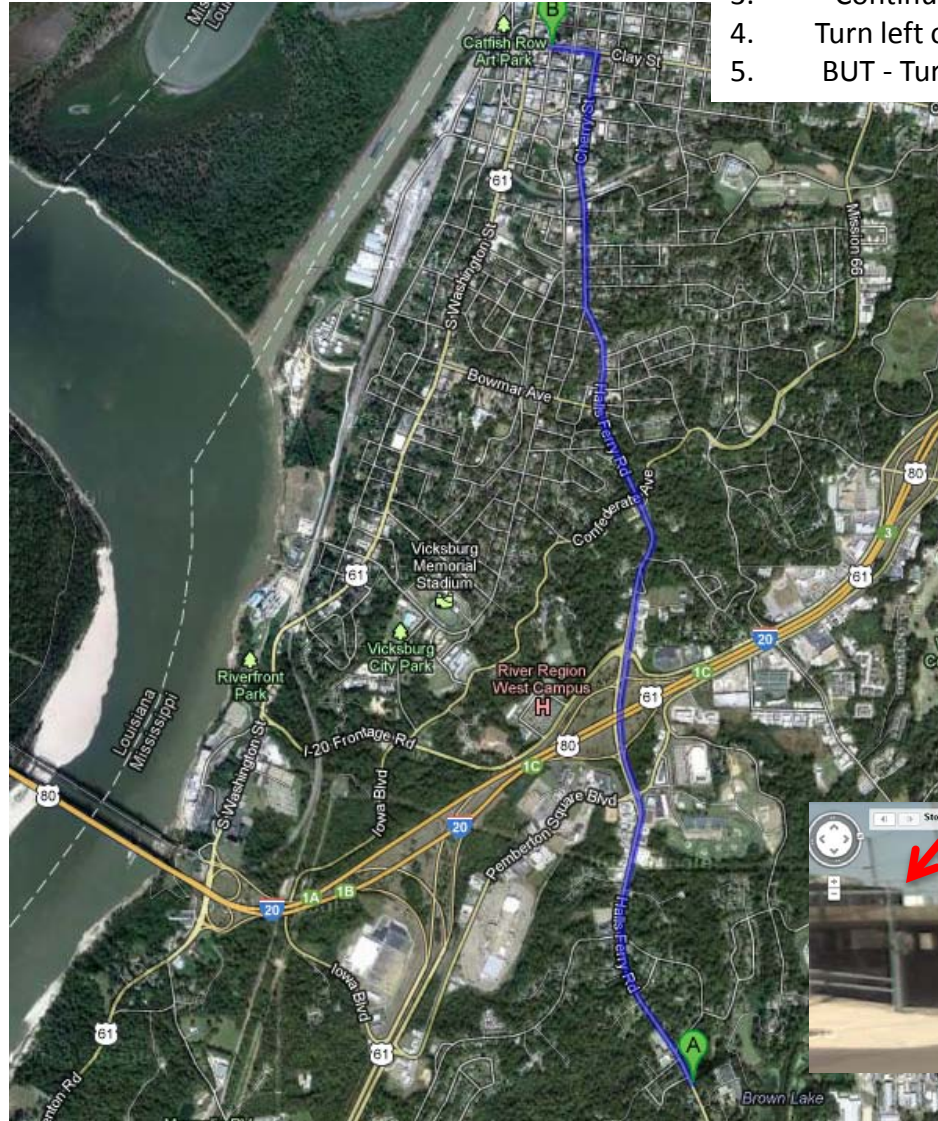
Tuesday April 30, 2013

8:30 - 10:30	Session 4 -- Applications & Analysis
10:30 - 10:45	Break
10:45 - 11:45	Session 5 -- Lagniappe
11:45 - 12:45	Lunch (Onsite)
12:45 - 2:15	Session 6 -- Operational Considerations
2:15 - 2:30	Break
2:30 - 4:15	Session 7 -- Operational Considerations
4:15 - 4:30	Wrap-Up

Driving directions to The BB Club

(also called StoryCook Favorites; 721 Clay St, Vicksburg, MS)

1. Turn right out of the ERDC main gate (A) and head **north** on **Halls Ferry Rd**
2. Travel 2.7 miles, then Halls Ferry Rd veers slightly right and becomes Cherry St
3. Continue on Cherry St for 0.8 mi
4. Turn left onto Clay St (Destination (B) will be on the right 0.1 mi)
5. **BUT** - Turn left on Walnut and park in the church parking lot on your right



Parking on lower level
or on the street

BB Club





17th Annual ADCIRC Model Workshop



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List of Presentations

Monday April 29, 2013

	First Name	Last Name	Affiliation	Title of Presentation
Session 1 -- Applications & Analysis 9:00 - 12:00	Casey	Dietrich	UT Austin	Oil Spill Transport as Driven by the 3D Baroclinic ADCIRC
	Chris	Szpilka	Univ. of Okalahoma	Preliminary Results for the EC2012 ADCIRC Tidal Database
	Juan	Gonzalez	Notre Dame	Tidal validation of a new high-resolution unstructured mesh for Puerto Rico and the U.S. Virgin Islands
	Clint	Dawson	UT Austin	Study of some potential storm surge protection systems for Houston and Galveston
	Corbitt	Kerr	Notre Dame	Model Response Sensitivity to Waves, Non-Linear Advection, and Bottom Friction
	Jian	Kuang	Stony Brook University	Storm Surge Prediction for New York Harbor and Southern Long Island using ADCIRC
	Ben	Jelley	WorldWinds Inc	Hurricane Sandy and ADCIRC Project Support at WorldWinds, Inc.

Session 2 -- New Developments 1:00 - 3:30	Zach	Cobell	ARCADIS, INC	Applying Dynamic Levee Breaching in New Orleans Polders During Hurricane Katrina
	Joshua	Todd	Florida Institute of Technology	Development and Implementation of Depth Dependent Wave Forcing and Stokes Drift into Coupled 3D PADCIRC/PUNSWAN
	Chris	Massey	USACE-ERDC-CHL	ERDC's CSTORM-MS Updates and GFDL Winds
	Rick	Luetlich	UNC Chapel Hill	Development and Initial Evaluation of A Generalized Asymmetric Tropical Cyclone Vortex Model in ADCIRC
	Jason	Fleming	Seahorse Coastal Consulting	What's New in ADCIRC v51

Session 3 -- Discontinuous Galerkin Methods 3:45 - 5:00	Angela	Nappi	Ohio State University	Introducing DG-WAVE: A discontinuous Galerkin-based wave prediction model
	Steven	Brus	Notre Dame	Boundary condition implementation for discontinuous Galerkin solutions to shallow water flow in channels
	Jessica	Meixner	UT Austin	Discontinuous Galerkin Methods for Spectral Wave/Circulation Modeling



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	First Name	Last Name	Affiliation	Title of Presentation
Session 4 -- Applications & Analysis 8:30 - 10:30	Taylor	Asher	URS Corporation	On Model Wind Scaling Parameters
	Matt	Bilskie	Univ. Central FL	Development and Validation of a High-Resolution, Wind-Wave, Tide, and Hurricane Storm Surge Model for Mississippi and Alabama
	Stephen	Medeiros	Univ. Central FL	LiDAR-Enhanced Surface Roughness Parameterization
	Bob	Jacobsen		Hurricane Surge Hazard Analysis: The State of the Practice and Recent Applications for Southeast Louisiana
Session 5 -- Lagniappe 10:45 - 11:45	Aaron	Donahue	Notre Dame	Green-Naghdi type solutions to the Pressure Poisson equation with Boussinesq Scaling
	Alan	Zundel	Aquaveo, Inc	SMS 11.1 Features
Session 6 -- Operational Considerations 12:45-2:15	Jesse	Feyen	NOAA	Use of ADCIRC in Operational Modeling at NOAA
	Andre	Van der Weshuysen	NOAA	Development and Validation of the Nearshore Wave Prediction System
	Kendra	Dresback	Univ. of Okalahoma	Skill Assessment of the STORM system for Hurricane Irene (Scalable, Terrestrial, Ocean, River, Meteorology)
Session 7 -- Operational Considerations 2:30-4:30	SeungWon	Suh	Kunsan National University	An efficient near real-time typhoon storm surge forecasting by ADCIRC and SLOSH
	James	Cipriani	IBM	Operational Mesoscale Modeling for the New York City Metropolitan Area - Tropical Storm Irene and Post-tropical Storm Sandy
	Colton	Conroy	Ohio State University	ADMESH: An advanced, automatic unstructured mesh generator for shallow water models
	Jason	Fleming	Seahorse Coastal Consulting	The ADCIRC Surge Guidance System