

Coastal Inlets Research Program (CIRP) Workshop

Advances in Decision-Support for Coastal Inlets and Navigation Channels: The Coastal Modeling System (CMS) and Channel Portfolio Tool (CPT)

May 20-21, 2010

Corps of Engineers, New Orleans District,

Meeting Room DARM A

7400 Leake Avenue, New Orleans, LA, 70118

Thursday, 20 May

7:45 am	Vanpool Leaves – Meet in parking lot of Hampton Inn to ride.
8:15 – 8:45 am	Arrive at New Orleans District – Security check-in
8:45 – 9:00	Welcome from New Orleans District Colonel Alvin B. Lee, New Orleans District Commander and Engineer
9:00 – 9:15	Welcome, Overview and Goals – Julie Rosati, Nick Kraus, CHL
9:15 – 9:45	Navigation Channels and Coastal Inlets: HQ Perspective – Jim Walker, HQUSACE and Jeff Lillycrop, CHL, Tech Dir for Navigation
9:45 – 10:15	Channel Portfolio Tool (CPT) – Ned Mitchell and Ashley Frey, CHL
10:15 – 10:30	Break
10:30 – 11:15	CMS Overview, background and capabilities - Alex Sanchez, CHL
11:15 – 11:45	Introduction to CMS-PTM - Honghai Li, CHL
11:45 – 12:00	Wave and current forecasting at Humboldt Bay Bar Entrance Channel with National Weather Service – Mitch Brown
12:00 – 1:00 pm	Lunch – New Orleans District cafeteria (2 nd Floor)
1:00 – 1:30	CMS Applications in FL - Kelly Legault and Steve Bratos, SAJ
1:30 – 2:00	CMS Projects in New England District - Irene Watts, NAE
2:00 – 2:30	CMS Application to Mississippi Sound Barrier Islands - Jay Rosati, CHL
2:30 – 2:45	Break
2:45 – 3:45	Hands-on Practice #1: Channel Portfolio Tool (CPT)
3:45 – 4:15	Overview of the SMS interface and New CIRP Additions: CIRP Wiki and CMS Discussion List – Mitch Brown
4:15 – 4:30	Questions and Discussion
4:30	Adjourn for Day

Friday, 21 May

7:45 am	Vanpool Leaves – Meet in parking lot of Hampton Inn to ride.
8:30 – 12:00 Informal break	<u>Hands-on Practice #2: CMS-Flow (Shark River Inlet, NJ) – Tanya Beck and CIRP Team</u> 1. CMS-Flow setup a. Grid generation b. Hydrodynamics c. Sediment transport/morphology change
12:00 – 1:00	Lunch – New Orleans District cafeteria (2nd Floor)
1:00 – 2:30 Informal break	Hands-on Practice (cont): CMS-Wave (Shark River Inlet, NJ) – Lihwa Lin and CIRP Team 2. CMS-Wave setup a. Grid generation and transformation b. Structures, runup and overtopping c. Input spectra d. Model parameters
2:30 – 4:00	Hands-on Practice (cont): CMS Applications (Shark River Inlet, NJ) – Alex Sanchez and CIRP Team 3. Steering 4. Viewing results and making animations 5. Analyzing sediment transport results a. Channel infilling b. Sediment transport rates
4:00 – 4:45	Upcoming Features – Alex Sanchez
4:45 – 5:00	Feedback / Venue for Next Workshop
5:00	Adjourn Workshop

Presenters

Tanya Beck, ERDC	Tanya.M.Beck@usace.army.mil	601-634-2603
Steve Bratos, SAJ	Steven.M.Bratos@usace.army.mil	904-232-1824
Mitchell Brown, ERDC	Mitchell.E.Brown@usace.army.mil	601-634-4036
Ashley Frey, ERDC	Ashley.E.Frey@usace.army.mil	601-634-2006
Nick Kraus, ERDC	Nicholas.C.Kraus@usace.army.mil	601-634-2016
Kelly Legault, SAJ	Kelly.R.Legault@usace.army.mil	904-232-1861
Honghai Li, ERDC	Honghai.Li@usace.army.mil	601-634-2840
Jeff Lillycrop, ERDC	Jeff.Lillycrop@usace.army.mil	251-895-1882
Lihwa Lin, ERDC	Lihwa.Lin@usace.army.mil	601-634-2704
Ned Mitchell, ERDC	Kenneth.N.Mitchell@usace.army.mil	601-634-2022
Jay Rosati, ERDC	James.Rosati@usace.army.mil	251-441-5535
Julie Rosati, ERDC	Julie.D.Rosati@usace.army.mil	251-694-3719
Alex Sanchez, ERDC	Alejandro.Sanchez@usace.army.mil	601-634-2027
Jim Walker, HQ	James.E.Walker@usace.army.mil	-----
Irene Watts, NAE	Irene.Watts@usace.army.mil	978-318-8356

<http://cirp.wes.army.mil/>

<http://cirp.wes.army.mil/wiki>