Coastal Inlets Research Program (CIRP) Workshop

Introduction to the Surface-water Modeling System (SMS) and the Coastal Modeling System (CMS)

May 17, 2010
Corps of Engineers, New Orleans District,
Computer Training Room
7400 Leake Avenue, New Orleans, LA, 70118

Monday, 17 May

7:45 am	**Vanpool Leaves – Meet in parking lot of Hampton Inn to ride.**
8:30 – 9:00 am	**Arrive at New Orleans District – Security check-in**
9:00 – 9:15	**Welcome to Workshop – Mitch Brown, CHL**
9:15 – 10:30	**Overview of Interface and Models – Mitch Brown** • SMS v10.1 • CMS-Flow and CMS-Wave
10:30 – 10:45	**Break**
10:45 – 12:00	**Introduction to Numerical Modeling – Mitch Brown** *Steps, grid generation, model parameters, boundary conditions and datasets, data analysis and interpretation.*
12:00 – 1:00 pm	**Lunch –** New Orleans District cafeteria (2nd Floor)
1:00 – 2:30	**Instruction with Hands-on Practice: – Tanya Beck, CHL** • Creating a bathymetric database • Importing data into SMS • Datum Conversion *Quality control, merging datasets, smoothing, etc.*
2:30 – 4:00 Informal Break	**Instruction with Hands-on Practice: – Mitch Brown** • Flow grid generation, boundary conditions, model control • Wave grid creation, basic spectra, model control *Bathymetry, topography, wind, waves, water levels, currents, sediment properties, etc.*
4:00 – 5:00	**Questions and Discussion**
5:00	**Adjourn for Day**

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