

## PECS 2012 Conference: Tuesday Presentations

| Time  | Name                      | Title   |
|-------|---------------------------|---|
| 8:30  | Shih-Nan Chen             | Across-Stream Momentum Budget of Positively and Negatively Buoyant River Outflows   |
| 8:45  | Julia Moriarty            | Gravity-Driven Transport on a Relatively Flat Active Margin with Complicated Bathymetry: The Waipaoa River Continental Shelf                                      |
| 9:00  | Carola van der Hout       | A Closer Look into the Transport of Suspended Matter in the Rhine ROFI  |
| 9:15  | Carl Friedrichs           | Damping of Turbulence by Suspended Sediment: Ramifications of Under-Saturated, Critically-Saturated and Over-Saturated Conditions                                 |
| 9:30  | Suzanna Jackson           | Interactions Between Turbulence and Suspended Particulate Matter Characteristics in the River Estuary Transition Zone of a Macrotidal Estuary                     |
| 9:45  | AM Posters<br>(see below) |   |
| 11:15 | Robert Wilson             | Interaction of Wind and Tidal Straining in Western Long Island Sound  |
| 11:30 | Dave Ullman               | Influence of Lateral Circulation and Intratidal Variability in Currents, Hydrography and Vertical Mixing on the Generation of Residual Currents in a Wide Estuary |

|       |                  |  |
|-------|------------------|--|
| 11:45 | Audric Collignon | Turbulence Dynamics and Vertical Mixing at the Shoal-Channel Interface in a Partially-Stratified Estuary |
| 12:00 | Kim Arnott       | Temporal Variability of Dissipation from Channel to Channel Wall in a Coastal Plain Estuary              |
| 12:15 | Malcolm Scully   | Parameterizations of Turbulence in Estuarine Models: How Well Do We Really Understand Mixing?            |

12:30 Lunch

|       |                       |  |
|-------|-----------------------|--|
| 13:45 | John Simpson          | "The Ekman Drain": A Conduit to the Deep Ocean for Shelf Material  |
| 14:00 | Harvey Seim           | Shelf and Slope Circulation Inshore of the Charleston Bump   |
| 14:15 | Clinton Winant        | Tidal Circulation on the Yucatan Shelf   |
| 14:30 | Ismael Marion-Tapia   | Astronomic, Atmospheric and Oceanographic Controls of Sea Level and Coastal Currents on a Wide and Shallow Continental Shelf |
| 14:45 | Charitha Pattiaratchi | Interactions between Dense Shelf Water Cascades and Wind Driven Upwelling in South-West Australia                            |

15:00 PM Posters  
(see below)

16:30 Gemma Franklin Effect of Reef Roughness on Wave Set-Up and Surf Zone Currents

16:45 Cecilia Enriquez Mechanisms Driving the Circulation in a Fringing Reef Lagoon: A Numerical Study

17:00 Sarah Giddings Enhancement of Reverse Estuarine Circulation Events and Coastal Connectivity Due to Plume Intrusions from an Alongshore Estuary

17:15 Nick Nidzieko Tidal Control of Biogeochemical Cycling in a Mesotidal Estuary

Morning Posters

William Stark Glider-Based Observations of the Physical Forcing of Wintertime Blooms on the Outer Shelf and Slope in Long Bay, SC, USA

Erik Olvera-Prado Hydrodynamics of the Papaloapan Basin Lagoons from Measurements and Numerical Modeling

Arnoldo Valle-Levinson Residual Circulation in Fjords: Is It 2-Layered or 3-Layered?

Andy Manning Observations of Floc Size and Settling Velocity Along a Longitudinal Estuarine Transect

Jianfeng Wang                      The Influence of Discharge, Wind and Tides on Near Field Plume Dynamics

Wenxia Zhang                      The Impact of Stratification on Bottom Boundary Layer Thickness within a Shelf

Erik Ensing                      Three-dimensional tidal flows in estuaries with converging width and slippery bottom: A simple model

Afternoon  
Posters

Joe Jurisa                      Mixing and Structure of a Buoyant Plume Subjected to Offshore Winds

Dennis  
Oberrecht                      An Engineering Scientific Approach of Net Sediment Transport Behavior in the Ems Estuary, Germany

Nickitas  
Georgas                      Validation of a Wetting and Drying Algorithm in a Shallow Tidal Creek and Marsh System

Jurre de Vries                      Spatial and Temporal Variability of Tidal Characteristics in the Marsdiep

Johanna  
Rosman                      Assessing the Performance of Standard Bottom Drag Parameterizations on Coral Reefs

Rocky Geyer                      Estuarine Fronts and the Spring-Neap Transition

Georgia  
Kakoulaki

Drifting with the Wind in the Merrimack River Plume

*Last updated: August 13, 2012*

Copyright ©2007 Woods Hole Oceanographic Institution, All Rights Reserved.

Mail: Woods Hole Oceanographic Institution, 266 Woods Hole Road, Woods Hole, MA 02543, USA.

E-Contact: [info@whoi.edu](mailto:info@whoi.edu); press relations: [media@whoi.edu](mailto:media@whoi.edu), tel. (508) 457-2000

Problems or questions about the site, please contact [webdev@whoi.edu](mailto:webdev@whoi.edu)