

**South Atlantic Sea Grant Programs' Oil Spill Physical Oceanography Summit
June 9, 2010, Skidaway Institute of Oceanography, Savannah, GA**

Participating Experts

Ruoying He, North Carolina State University

(<http://www.meas.ncsu.edu/faculty/he/he.html>)

Coastal and estuarine circulation dynamics; numerical modeling and data assimilation; coastal ocean observing system; bio-physical interactions; air-sea interaction; satellite oceanography.

Rick Luettich, UNC-Chapel Hill, director of the Institute of Marine Sciences

(<http://marine.unc.edu/people/Faculty/luettich>)

Research has dealt broadly with modeling and measurement of circulation and transport in coastal waters. Co-developed the ADCIRC circulation and storm surge model that is widely used by the academic, government and private sectors and has been applied extensively for modeling storm surge in the Southern Louisiana and New Orleans areas. Participated in the development of pieces of the SEACOOS component of the national Coastal Ocean Observing System effort.

George Voulgaris, University of South Carolina

(http://www.geol.sc.edu/gvoulgar/gvoulgaris_cv.html)

Shoreline evolution; nearshore and beach processes; surf-zone and continental shelf sediment transport; wave- current interaction; sediment re-suspension; hydrodynamic and turbulence measurements in the field and laboratory; time-series analysis; tidal propagation in estuaries and lagoons; numerical model applications to coastal zone.

Dana Savidge, Skidaway Institute of Oceanography

(<http://www.skio.usg.edu/people/dsavage/>)

Observational physical oceanography; dynamics of episodic, seasonal, and mean processes accounting for the transport of water and the material it contains through different ocean regimes, from open ocean to shelf settings. Boundary current variability, effects on coastal circulation effects, wind and buoyancy effects at subtidal, tidal, and super-tidal temporal scales.

Catherine Edwards, Skidaway Institute of Oceanography

(catherine.edwards@skio.usg.edu)

Physical oceanography of continental margins, especially at the nearshore boundary and shelfbreak. Currently examining the interaction of winds and currents and the correlation of tides and shelf edge eddies in the South Atlantic Bight.

Note: Experts invited from Florida were unable to attend because of prior commitment, including commitments made in response to the Deepwater Horizon incident.