

Oral Session

8:30 am to 3:00 pm at the Chemistry Science Laboratory Auditorium (CSL 1003)

Time schedule

- 8:30 – 9:30 *COFFEE – CSL Lobby*
- 9:30 – 9:45 **Deng, H.;** Z. Dai; A. Wolfsberg; M. Ye; Z. Lu
Upscaling Retardation Factor of Porous Media with Multimodal Sorption Coefficient and Conductivity
- 9:45 – 10:00 **Bogdanoff, A.**
Aerosol Impact on Sea Surface Temperature Retrievals
- 10:00 – 10:15 **Todd, A. C.**
Understanding circulation dynamics and transport in the Florida Big Bend: An application to gag grouper larvae
- 10:15 – 10:30 **Nelson, J.**
Flux by Fin
- 10:30 – 10:45 BREAK
- 10:45 – 11:00 **Behl, M.**
Cooling or warming atmosphere due to a slowing Atlantic Meridional Cell (AMOC)?
- 11:00 – 11:15 **Michael, J.**
Diagnosis of ENSO Variability in Two Coupled Models: CCSM3.0 and CAM/HYCOM
- 11:15 – 11:30 **Tremaine, D.;** P. N. Froelich; B. Kilgore
Speleothem Paleoclimatology and Atmospheric Ventilation: Using ^{222}Rn and ^{13}C as Tracers to Reveal Mixing Pathways Inside Hollow Ridge Cave
- 11:30 – 11:45 **Winterbottom, H.**
Applying a Coupled Atmosphere-Ocean Model to Understand the Challenges in Forecasting Tropical Cyclone Intensity
- 11:45 – 12:00 **Long, D.** and S. de Putron
*The impact of global climate change on the new recruits of a scleractinian coral, *Porites astreoides**
- 12:00 – 13:00 LUNCH BREAK

- 13:00 – 13:15 **Wilson, R. M.**
*Evaluation of trophic structure changes along an estuarine gradient:
Apalachicola, Florida*
- 13:15 – 13:30 **Corbett, L.**
Using C/N ratios to investigate DOM reactivity in northern peatlands
- 13:30 – 13:45 **Bourgoin, S.**
*Variation in growth rate and diet of early juvenile gag, *Mycteroperca
microlepis*, populations in two regions of the northeast Gulf of Mexico:
correlations with weather*
- 13:45 – 14:00 **Paeng, J.;** T. Dittmar
*Combustion-derived dissolved organic matter in rivers and estuaries of
the sugar-cane area of Southern Brazil*
- 14:00 – 14:15 BREAK
- 14:15 – 14:30 **Misra, S.;** P. N. Froelich
*Isotopic Evidence for Large Scale Temporal Changes in the Cenozoic
Marine Lithium Cycle*
- 14:30 – 14:45 **Santema, M.**
Temporal Dynamics of Dissolved Oxygen of the Benthic Boundary Layer
- 14:45 – 15:00 **Bode, S.**
*Determining when and where the leatherback sea turtles, *Dermochelys
coriacea*, nest on North Friar's beach, St.Kitts*
- 15:00 – 15:30 BREAK BEFORE POSTER SESSION

Poster Session

3:30 pm to 5:00 pm at the OSB Bldg, 3rd floor

List of the Posters (alphabetical order)

Blair, S. A.; D. K. Watkins

High-resolution calcareous nannofossil biostratigraphy of the Santonian Stage Boundary, Western Interior Basin

Canion, A.; O. Prakash; S. J. Green; J. E. Kostka

Investigation of the Ecology and Biogeochemistry of N₂-Producing Microbial Communities in Arctic Sediments

Chipman, L.

DOM decomposition in permeable coastal sediments

Coor, J. L.; J. F. Donoghue; Y. Wang; O. Das; S. A. Kish; J. B. Elsner; X. Hu; A. W. Niedoroda; M. Ye

Determining a Late Holocene Storm History for NW Florida Through Multiple Proxies

Das, O.; Y. Wang; J. F. Donoghue; J. Coor; S. A. Kish; J. B. Elsner; X. Hu; A. W. Niedoroda; M. Ye

Reconstruction of paleostorm history using geochemical proxies in sediment cores from Eastern Lake, Florida

Dimova, N.; B. Burnett; J. Chanton; R. Peterson

What we learned about the hydrologic regime of the largest submarine spring system in Florida using salinity and radon: a two-year investigation on Spring Creek Springs

Dong, J.; K. Speer

The Inverse Result of Current and Transport on the Antarctic Slope along I6S (30°E)

Easton, E.

North Pacific deep-sea sediment: environmental variables

Gouillon, F.; E. Chassignet

Diagnosing the spurious mixing in the Regional Ocean Modeling System (ROMS)

Jasrotia, P.; A. Canion; O. Prakash; S. Green; J. E. Kostka

Isolation and characterization of denitrifying fungi and bacteria from low pH, nitrate- and uranium- contaminated groundwater

Jemison, K. E.; S. Wise

Diatom biostratigraphy of RV/IB NBP0602A Shaldril II sites 3 and 4 off Seymour Island, Antarctica

Kostka, B.

Improving conservation of the American Horseshoe Crab in Florida through research, management and education efforts.

Krishnamurthy, N.

Mercury and trace metal deposition into the Pensacola Bay watershed

Rahter, B.

Observations of Turbulence in the Transition Layer

Rohal, M.

Metazoan meiofaunal abundances and ecological correlates along the west coast of the United States between 2700 m and 3700 m depth

Rycyk, A.; C. Deutsch; M. Barlas; D. Nowacek; S. Koslovsky; K. Frisch

Florida manatee behavior during vessel approaches

Tazaz, Amanda; J.P. Chanton; C. Kelley; J. Poole; B. Bebout

Methane Production in Extreme Environments

Tremaine, D.; P. N. Froelich; B. Kilgore

Speleothem Paleoclimatology and Modern Proxies: Calcite Farming In a Continuously Monitored Cave

Weihs, R.

Resolving the diurnal cycle in sea surface temperatures and its effect on surface turbulent fluxes