



The Science & Management of Coastal Estuarine Systems

P R O G R A M

**12th
Biennial
International
Estuarine
Research
Federation
Conference**

**November
14 - 18, 1993**

**Hilton
Head
Island,
S.C.**

VP

Chronological Program Overview

SUNDAY, NOVEMBER 14

8:30 am – 5:00 pm
Pre-Conference Tours

9:00 am – 8:00 pm
Conference Registration

1:00 pm – 5:00 pm
Trade Show and Educational Exhibits
Set-Up

7:00 pm – 9 pm
President's Welcome Reception

MONDAY, NOVEMBER 15

7:00 am – 8:30 am
Cash Continental Breakfast

7:30 am – 5:00 pm
Conference Registration

8:15 am – Noon
Plenary Session

Noon – 1:30 pm
Lunch

1:30 pm – 5:30 pm
Concurrent Sessions (6)
Session I: Hypoxia: Molecules to
Mudflats
Session II: Advances in Understanding
Coastal Lagoons
Session III: Environmental Ethics and
Ethics in Environmental Science
Session IV: Application of Geographi-
cal Information Systems
Session V: Seagrass Ecology I

Session VI: Processes Coupling Estu-
aries and Oceans

12:30 pm
Trade Show Opens

5:30 pm – 7:30 pm
Poster Session I/Happy Hour

TUESDAY, NOVEMBER 16

7:00 am – 8:30 am
Cash Continental Breakfast

7:00 am – 8:30 am
Women's Aquatic Network Breakfast

7:30 am – 5:00 pm
Conference Registration

10:00 am – 7:30 pm
Trade Show Continues

8:00 am – Noon
Concurrent Sessions (6)
Session I: Odum Symposium: Pulsed Ecosystems
Session II: Aguajes, Nuisance

Blooms and Plankton Dynamics
Session III: Land-Margin Ecosystem
Research Program
Session IV: Restoration and
Remediation in Coastal Waters
Session V: Blue Crab Recruitment: En-
vironmental Control and Population
Regulation
Session VI: Horizontal Dispersion in
Estuaries and Bays

Noon – 1:30 pm
Lunch

1:30 pm – 5:30 pm
Concurrent Sessions (6)
Session I: Odum Symposium: Pulsed

Ecosystems (cont.)
Session II: Mississippi River Plume
Studies
Session III: Bridging the Gap Be-
tween Science and Education
Session IV: Application of Sediment
Tracer Techniques to Environmental
Assessment
Session V: Blue Crab Recruitment:
Environmental Control and Popula-
tion Regulation (cont.)
Session VI: Watershed Influences on
Coastal Waters

5:30 pm – 7:30 pm
Poster Session II/Happy Hour

WEDNESDAY, NOVEMBER 17

7:00 am – 8:30 am Cash Continental Breakfast	Recruitment Session IV: Monitoring Estuarine Environmental Quality Session V: Seagrass Ecology II Session VI: a) Ecological Effects of Turbidity b) Particle Dynamics in Estuaries	Estuary (cont.) Session III: Fisheries Assessment and Recruitment (cont.) Session IV: Monitoring Estuarine Environmental Quality (cont.) Session V: Coastal Wetland Evolution and Processes Session VI: Particle Dynamics in Estuaries
7:30 am – 5:00 pm Conference Registration		
10:00 am – 5:00 pm Trade Show Continues		
8:00 am – Noon Concurrent Sessions (6) Session I: Eutrophication of Macrophyte-Based Systems Session II: Studies of the Hudson River Estuary Session III: Fisheries Assessment and	Noon – 1:30 pm Lunch 1:30 pm – 5:00 pm Concurrent Sessions (6) Session I: Eutrophication of Macrophyte-Based Systems (cont.) Session II: Studies of the Hudson River	5:00 pm – 6:30 pm ERF Business Meeting 7:00 pm – 10:00 pm Lowcountry Cookout

THURSDAY, NOVEMBER 18

7:00 am – 8:30 am Cash Continental Breakfast	Session II: Contaminant Fluxes in Estuarine Systems Session III: Interactions Among Investigators of Habitat Interactions Session IV: Interactions Among Investigators of Habitat Interactions Session V: Seagrass Ecology II Session VI: a) Physical Processes in Wetlands b) Effects of Climate Variability	1:30 pm – 5:30 pm Concurrent Sessions (6) Session I: Nutrient Enrichment in Coastal Waters (cont.) Session II: Contaminant Fluxes in Estuarine Systems (cont.) Session III: Estuarine Ecology Session IV: Interactions Among Investigators of Habitat Interactions (cont.) Session V: Benthic Ecology Session VI: Effects of Climate Variability
7:30 am – Noon Conference Registration		
9:00 am – Noon Trade Show Continues		
8:00 am – Noon Concurrent Sessions (6) Session I: Nutrient Enrichment in Coastal Waters	Noon – 1:30 pm Lunch (on your own)	

FRIDAY, NOVEMBER 19

8:30 am – 5:00 pm
Post-Conference Tours

✓p3

SOUTHEASTERN ESTUARINE RESEARCH SOCIETY (SEERS)

- Allen, D.M., W.B. Allen, W.V. Johnson, P.D. Kenny, V. Ogburn-Matthews and F.J. Vernberg. Research and education at the North Inlet-Winyah Bay National Estuarine Research Reserve.
- Cox, C., T.R. Matthews and J.H. Hunt. Change in spiny lobster catch per unit effort with increasing fishing pressure in Florida Bay.
- Davis, S.C., G. Lytton, M. Shirley, S. Bertone and T. Smith. Restoration of a mangrove-dominated estuary: Site-specific through watershed-scale approaches.
- DeLancey, L.B., J.D. Whitaker and J.E. Jenkins. Inshore assessment of blue crab and brown shrimp populations in South Carolina.
- Feller, R.J., D.M. Allen, V. Ogburn-Matthews, S.E. Hutchinson, D. Edwards and R.L. Gardner. Classifications of disturbance events in a long-term record of subtidal benthic, zooplanktonic and nektonic fauna at North Inlet, S.C.
- Gardner, L.R., S. Hutchinson, R.J. Feller, D. Edwards, V. Ogburn-Matthews and D.M. Allen. Study of physical "events" in the North Inlet LTER data set using Shewhart control charts.
- Hutchinson, S., D. Edwards, V. Ogburn-Matthews, D.M. Allen, R. Feller and L.R. Gardner. Identifying rare events in ecological data sets using Shewhart control charts.
- McMichael, Jr., R.H., R. Paperno, B. McLaughlin and M. Mitchell. Florida's marine fisheries – independent monitoring program.
- O'Beirn, F.X., P.B. Heffernan and R.L. Walker. Monitoring *Crassostrea virginica* settlement in coastal Georgia: A tool for ecosystem health and resource management.
- Poole, B.D. and K.D. Cairns. Docks and their shading effects on seagrasses.
- Walker, R.L. and P.B. Heffernan. Age, growth rate and size of the southern surf clam, *Spisula solidissima similis* (Say, 1822).
- Wallin, J.E., T. Sinclair and M.J. Van Den Avyle. Effects of salinity on the distribution of juvenile striped bass, *Morone saxatilis*, in the Savannah River estuary.
- Wenner, E.L. and M. McKenzie. The ACE Basin National Estuarine Research Reserve.

GULF ESTUARINE RESEARCH SOCIETY (GERS)

- Day, R.H., R. E. Spell and E.W. Ramsey, III. Spectral reflectance response to canopy structure for selected wetland vegetation types in Louisiana and Florida.
- Engle, V.D., J.K. Summers and J.M. Macauley. Application of EMAP-Estuaries protocols to assessments of individual estuarine systems: Pensacola Bay, Florida.
- Gelfenbaum, G., R.P. Stumpf, W.W. Schroeder, J.R. Pennock and M. Noble. Modeling spatial patterns of wind-wave resuspended sediment in a shallow estuary: Mobile Bay, Alabama.
- Hesse, I.D., J.W. Day and W.H. Coner. Improving water quality in Louisiana coastal waters through the use of watersheds: A case history involving municipal wastewater in Thibodaux, Louisiana.
- Hine, A.C., E.E. Wright, S.L. Goodbred, W. Quigley and R.P. Stumpf. Regional factors controlling the evolution of an open-marine marsh fronting an incipient epicontinental sea: N.W. Florida gulf coast.
- Lee, W.Y. and A.M. Morgan. Freshwater inflow impacts on fish and shellfish in Texas estuaries.
- Perry, H.M., T.A. McTigue, C. Trigg and J. Warren. Settlement and early life history of *Callinectes similis* Williams in northern Gulf of Mexico estuaries.
- Raabe, E.A. and R.P. Stumpf. Habitat change in Florida's gulf coast tidal wetlands using satellite imagery.
- Stockwell, D.A. A persistent brown tide bloom in the Laguna Madre of south Texas: Phytoplankton primary productivity patterns.
- Stockwell, D.A. and T.E. Whitledge. Brown tide bloom in Nueces Bay, south Texas 1992: Initiation and termination.
- Wright, E.E., A.C. Hine and R.P. Stumpf. Analysis of shoreline stability of the Suwannee River marsh system, west central Florida. S