CONFEERENCE AGENDA

Friday, April 8
9:00 - 11:00 SCMEA Board meeting - Alston Room
11:30 - 4:00 Field Trips
4:00 - 7:00 Registration - Tara Lobby
5:30 - 6:00 “Welcome New Friends” reception for first-timers and new members - Alston Room
5:30 - 6:30 Wine & Cheese Reception, Posters, Exhibits - Tara Lobby
6:30 - 7:30 Keynote: Mary Edna Fraser, textile artist, “A Celebration of Barrier Islands” - Tara Theater
7:30 - until Dinner - Tara Ballroom.

SESSIONS SCHEDULE

Saturday, April 9
SESSION I: CONCURRENT SESSION: 8:15 - 9:00
- Salt Marshes: Pristine and Impacted (A) – Alston
  Eric Koepfli, Coastal Carolina University; Sam Lake; Jessica Anderson
  We will illustrate the usefulness of an online fieldtrip where specific habitat details are discussed and shown. We will begin the field trip with reference to an aerial image showing geographic location, discuss the physical and geological setting, show plant community, and then zoom in on individual plants and animals from the habitat. Determining the extent of ecosystem habitats (i.e. mudflats in a salt marsh) is a common task of ecologists. We will demonstrate this process using computer based and a simpler paper and scissors approach. The manner in which organisms are distributed over space and time will be shown using an interactive webpage where the numbers and types of organisms appear as hotspots when the cursor scrolls over the page. This activity then is combined with accessing a database, selecting a subset of samples and determining means and standard deviations. Anthropogenic impacts upon salt marshes will be demonstrated by a series of aerial images from the Grand Strand region of South Carolina.

SESSION III: CONCURRENT SESSION: 11:15 - 12:00
- Mussel Madness: Using Marine Invertebrates to Explore Ecology and Genetics (E,M) – Alston
  Brice Gill and Crystal Welch, TIDE, Marine Science Program, University of South Carolina
  Learn about the experiences of Columbia area teachers who worked in a USC laboratory through the Rising Tide project. They will discuss the ecology of rocky intertidal organisms, including a simple and safe marine organism dissection.

Saturday, April 9
Breakfast on your own
7:30 - 8:30 Coffee, snacks
8:00 - 4:00 Registration - Tara Lobby
8:00 - 4:00 Exhibits and Posters - Tara Lobby
8:15 - 9:00 Concurrent Sessions in Conference Center meeting rooms
9:10 - 11:00 Plenary Session - Tara Auditorium
11:15 - 12:00 Concurrent Sessions in Conference Center meeting rooms
12:00 - 2:00 Lunch/Business Meeting - Tara Ballroom
2:00 - 4:15 Concurrent Sessions in Conference Center and Litchfield Beach
5:00 - 5:30 Marine Meringue - Tara Lobby
6:00 - 7:30 Luau Dinner and Silent Auction – Tara Ballroom
7:30 - 8:30 Auction – Tara Ballroom
9:00 - 12:00 Live Music – Tara Ballroom

Sunday, April 10
8:00 - 9:00 Coffee and snacks
8:00 - 10:00 Exhibits and Posters - Tara Lobby
8:30 - 10:45 Concurrent Sessions in Conference Center meeting rooms
11:00 - 12:30 Brunch/Awards/Auction Card Finalists - Tara Ballroom

SPONSORS
The Members of SCMEA
Belle W. Baruch Institute for Marine & Coastal Sciences
(University of South Carolina)
Alligator Adventure
Captain Dick’s
Huntington Beach State Park
Myrtle Beach State Park
Ripley’s Aquarium
Brookgreen Gardens
South Carolina Sea Grant Consortium
University of South Carolina’s Center for Science Education
Southeast Center for Ocean Sciences Education Excellence
(SE-COSEE)
The SouthEast Center for Ocean Sciences Excellence presents “Catch The SEACOOS Wave”. Come see how to involve your students in a new interactive on-line wave poster (a collaboration between SECOSEE and NC, SC, GA, and FL scientists). Each participant will receive an awesome “making waves” poster and take part in several hands-on wave activities, ideal for classroom use. Also find out how you can become involved in some exciting upcoming offerings from SECOSEE. This is one session you don’t want to miss!

- Plankton Wars! (M, S) - Francis Marion A - Wendy Wicke, Southeast Phytoplankton Monitoring Network; Julie Cahill
Discover the world of phytoplankton and their unique adaptations by creating a new species. Participants will compete to see which of their creations is most adept to live in the photic zone!

- Earth as Art (M) – Francis Marion B - Jody Tinsley, SC MAPS Project
Aerial photographs and satellite images of the coastline provide unique perspectives of natural and land-use patterns that are truly artistic in their own right.

- Exploring Plate Tectonics - A Hands-On Approach (M, S, C) - Francis Marion C - Leslie Sautter, Project Oceanica, Department of Geology, College of Charleston
Using models, maps and puzzles, explore plate tectonics the fun way. We’ll cover continental drift, seafloor spreading and “play” with the 3-D plate puzzle.

SESSION VI: CONCURRENT SESSION: 8:30 - 9:45

- Catch the SEACOOS Wave (A) - Alston
Margaret Olsen, Southeast Center for Ocean Sciences Education Excellence (SECOSEE); Lundie Spence; Elizabeth Rogers
Gain practice identifying zooplankton using microscopes and the new illustrated guide, Zooplankton of the Atlantic and Gulf Coasts. Tips for collecting and analyzing plankton data will also be shared.

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SESSION VII: CONCURRENT SESSION: 10:00 - 10:45

- Using Natural and Social Systems Thinking to Improve Learning (A) – Alston
Edward H. Falco, SC State Department of Education
This informative and hands-on session uses “systems thinking” strategies to enhance instruction effectiveness and audience understanding by building connections, showing relevance, and integrating content.

- The Science of SAPELO (E, M, S, C, Adm) - Francis Marion A - 4:00 
Edward Falco, SC State Department of Education; Theresa Pinilla, Stockbridge Middle School
Aerial photographs and satellite images of the coastline provide unique perspectives of natural and land-use patterns that are truly artistic in their own right.

- Spend a Week At A Beautiful Audubon Nature Preserve On An Island In Maine While Earning CEUs or Other Credits (A) - Francis Marion B - Steve Berkowitz, Coastal Carolina University
A description of the Audubon Camp on Hog Island, Maine, and their summer Educators’ Workshop. Knowledgeable and experienced instructors, great food, gorgeous scenery, and credit, too!

- Sea Shells Have a Life (E, M, G) - Francis Marion B - Sarah McGuire, COASTeam Program
Explore adaptations by creating your own mollusk! Also, come and learn about our exciting new COASTeam opportunities for middle school teachers this summer.

SESSION V: CONCURRENT SESSION: 3:30 - 4:15

- Using GIS to Study Barrier Island Systems (S) – Alston
Elizabeth Gehman, Coastal Carolina University; Chris Weeks; Eric Wright; Robert Young
Participants will use web-based GIS software to examine historical barrier island change and to investigate geologic development of North Island, South Carolina.

- The AGE of Ocean Exploration (M, S) - Francis Marion A
Cindy Renkas, NOAA Office of Ocean Exploration
Get an overview of NOAA’s very popular Ocean Explorer (OE) website containing resources almost as vast as the oceans it is based upon! Learn how to use Ocean AGE (Another Generation of Explorers) to inspire your students and connect them to ocean scientists through video profiles, missions logs, live web chats and more. Take home OE materials, including free CD-ROMs!

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