



The URE/REU OMPS program objective is to promote the professional development of minority undergraduate students through their participation in ocean, marine and polar science research. The program consists of undergraduate students from minority serving institutions; each student was assigned to a specific research team, where they worked closely with a faculty mentor. In addition, seminars, lunch meetings, and social functions were organized to facilitate undergraduate interaction. The project was conducted for eight weeks during summer 2010, with online mentoring and follow-up during the academic year 2010-2011.

### Upcoming Events

**IGARSS 2010, Honolulu, Hawaii**

July 26-30, 2010, <http://www.grss-ieee.org/conferences/igarss>

**Academic Year Undergraduate Research Experience, ECSU**

August, 2010 – April, 2010, <http://nia.ecsu.edu/ur.html>

**TeraGrid '10 Conference**

August 2, 2010, <http://www.teragrid.org/tg10/>

**NTA Student Technical Symposium**

September 8, 2010, <http://nia.ecsu.edu/ur/1011/100908nta/nta2010.html>

**West Antarctic Ice Sheet Initiative (WAIS), Eatonville, Washington**

September 23-25, 2010, <http://neptune.gsfc.nasa.gov/wais/>

**Celebration of Women in Mathematics**

Oct 2010, <http://nia.ecsu.edu/cwm.html>

**American Geophysical Union (AGU) Meeting, San Francisco, CA**

13-17 December 2010 <http://www.agu.org/meetings/fm10/>

### 2010 Participating Institutions

Norfolk State University

Fayetteville State University

St. Augustine's College

University of Ghana

Macalester College

University of Lagos

Texas A&M University

University of Utah

University of Washington

Elizabeth City State University

Winston-Salem State University

Mississippi Valley State University

<http://nia.ecsu.edu/ureomps2010/>

(252) 335-3696



## CLOSING PROGRAM EVENTS

JULY 13-16, 2010



Center of Excellence in Remote Sensing Education and Research  
Elizabeth City State University | 1704 Weeksville Road | Elizabeth City, NC 27909  
ONR - URE/OMS N00008-1-0832 NSU/REU ANT-0944255 CReSIS - NSF FY 2005-108CM1



Undergraduate Research Experience  
in Ocean, Marine, and Polar Science  
ELIZABETH CITY STATE UNIVERSITY

*Survey of Post LGM Environment: Unusual Soil Constituents in  
Rockyhock Bay Stratigraphy*

Kiara Jones, Ryan Lawrence || Mentor: Dr. Malcolm LeCompte

*The Results of Data Collected from Surveys to Predict the Effectiveness  
of Undergraduate and Research Experience in Ocean, Marine, and  
Polar Science Program (2009) and Virtual Conferences (2010)*

Dalesha Cartman, Marvin Elder II || Mentor: Dr. Yolanda McMillian

*Particulate Properties of the Dead Sea Retrieved by the Physical Optics  
Method*

Derrick Griffin || Mentor: Dr. Leonid Sokoletsky

*Generation of Titanic Prime Numbers Through High Performance  
Computing Infrastructure*

Joseph Jackson, Matravia Seymore, John Bell  
Mentor: Mr. Je'aime Powell

*Establishing a Baseline of Water Quality along the Coast of Northeastern  
North Carolina in Response to the Deepwater Horizon Oil Spill*

Jamal Pearce, Te Airra Brown, Ronald Williams || Mentor: Mr. Jeff Wood

*Design of an Autonomous Global Positioning System (GPS) Guided  
Watercraft – University of Kansas/University of Ghana Team*

Amadi Sefah-Twerefour, George Owusu, Linda Buame, Prosper Adiku,  
MyAsia Reid || Mentor: Dr. Eric Aker

*Research Students in Africa*

John Oraefo (ECSU), Omotilewa Oluwatoba (Lagos, Nigeria)  
Mentor: Dr. Peter Nwilo



# URE/REU Closing Events Program

## Research Team Presentations

### ☞ Tuesday July 13, 2010

Room 119 Lane Hall, 2:30 – 4:30 pm

- Review of Team Web Pages
- URE/REU Team Research Report: Ocean Optics Team
- Guest Speaker: Mr. Willie Brown  
Embry-Riddle Aeronautical University Graduate Student  
“The Impact of Undergraduate Research on Graduate School Success”

### ☞ Wednesday July 14, 2010

AAAS CReSIS Interviews with Faculty and Staff, 119 Lane Hall, 1:15 – 2:00pm  
AAAS CReSIS Interviews with Students, 119 Lane Hall, 2:00 – 2:45pm

Room 229 Dixon Hall, 3:00 pm – 5:00 pm

- Introduction of LSAMP Program Guests - Dr. Linda Hayden, PI
- Welcome - Dr. Harry Bass  
Dean of the School of Mathematics, Science and Technology
- URE/REU Team Research Reports
  - Impact
  - Mathematics
  - PolarGrid
  - Deepwater Horizon
- Refreshments

### ☞ Thursday July 15, 2010

Room 119 Lane Hall, 10:30 am – 12:30 pm

- Introduction of Virtual Guests: IU Interns, KU Interns, NOAA Interns
- Review of Dr. Derrick Lampkin Article: Te Airra Brown
- Interview with Dr. Derrick Lampkin (virtual)
- GRSS Student Chapter Meeting
  - Minutes from the March 2, 2010 Meeting: Matravia Seymore
  - Introduction to GRSS Society Membership – Mr. Je'aime Powell
  - Report on Ocean Fisheries Travel to Woods Hole Oceanographic Institute
 

Amadi Sefah-Twerefour	Linda Buame
George Owusu	Prosper Adiku
  - Speaker: Mr. Jerome Mitchell, CReSIS Ph.D. Candidate  
“Overview of the CReSIS Experience”
- Dinner at Groupers Restaurant, 5:00 pm

### ☞ Friday July 16, 2010

Final Written Reports (Due)  
Airport Departure



