

The REU/URE 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 2013, with online mentoring and follow-up during the academic year 2013-2014. The program also includes a Research Experience for Teachers (RET) component, which involves pre-service STEM education majors.

### Upcoming Events

**2013 IGARSS, Melbourne Australia**

21 July, 2013, <http://www.igarss13.org>

**Summer 2013 Workshop for MSI Faculty**

29 July, 2013, <http://nia.ecsu.edu/nice/2013/130726niceSummer/>

**NASA NICE Summer Workshop**

6 August, 2013, <http://nia.ecsu.edu/nice/2012/120806nice/>

**ADMI Science Gateway Workshop**

6 August, 2013, <http://www.admiusa.org/>

**National Technical Association Conference**

18 September, 2013, <http://www.ntaonline.org/conference2013.html>

**Celebration of Women in Math**

15 October, 2013, <http://nia.ecsu.edu/cwm.html>

**Supercomputing Conference 2013**

17 November, 2013, <http://sc13.supercomputing.org/>

**AGU Fall Meeting**

9 December, 2013, <http://fallmeeting.agu.org/2013/>

### 2013 Participating Institutions

University of California Berkley  
 Spelman College  
 Norfolk State University  
 Elizabeth City State University  
 Haskell Indian Nations University  
 Virginia Union University

Mississippi Valley State University  
 Hamline University  
 University of Kansas  
 Winston Salem State University  
 Fayetteville State University  
 Jackson State University

<http://nia.ecsu.edu/ureomps2013/>

(252) 335-3696

# RESEARCH EXPERIENCE FOR UNDERGRADUATES IN OCEAN, MARINE, POLAR SCIENCE 2013 WITH RESEARCH EXPERIENCE FOR TEACHERS COMPONENT



## CLOSING PROGRAM EVENTS JULY 8-12, 2013



Center of Excellence in Remote Sensing Education and Research  
 Elizabeth City State University | 1704 Weeksville Road | Elizabeth City, NC 27909

# REU Closing Events Program

REU Closing Events Program Room 229 Dixon Hall  
Dr. Darnell Johnson, Moderator

## Using Common Core State Standards of Seventh Grade Mathematics in the Application of NXT LEGO® Robotics for CReSIS Middle School Students

Jessica Hathaway (ECSU), Ricky Dixon (MVSU), Malcolm McConner (ECSU),  
Mentor - Dr. Darnell Johnson

## Use of Ground Penetrating Radar to investigating unnamed but known archaeological sites on North Carolina's north eastern coastal plain including the shores of Albemarle Sound and the Chowan River area

Rashad Williamson (MVSU), Kelechi Onyiriuka (ECSU), Michael Cobb (ECSU),  
Mentor - Dr. Malcolm LeCompte

## Terascan Curriculum Development and Integration of SeaSpace Technology into the Classroom

Courtney Farmer (ECSU), Kalyx McDonald (MVSU), Mentor- Mr. Je'aime Powell

## Developing a Remote Sensing and Cloud Computing Curriculum for the Association of Computer/Information Sciences and Engineering Departments at Minority Institutions (ADMI)

Jimil Perkins (NSU), Jazette Johnson (Spelman), Mentor: Mr. Jerome Mitchell

## A comparative study of the 2011/2013 water quality assessments in the Pasquotank Watershed in Northeastern North Carolina

Anthony Lynn (WSSU), Robin Brice (FSU), Dorothy Brice (VUU), Mentor: Mr. Jeff Wood

## Using CReSIS airborne RADAR to constrain ice-volume flux across the lateral margins of the Northeast Greenland Ice Stream

Michael Chamberlain (UCB), Emma Reeves (Hamline), Mentor: Mr. Peter Burkett



**Clay Swindell**, Archaeologist, Museum of the Albemarle

### Bio

Mr. Swindell is a professional archaeologist, having served as project director for a variety of archaeological projects in the region. Research interests include archaeozoology, coastal adaptation, ceramics analysis and public education. He is currently with the North Carolina Department of Cultural Resources at the Museum of the Albemarle and a research associate for the First Colony Foundation.

### Monday July 8, 2013

8:30 am Dixon-Patterson Hall (Breakfast)  
Water Quality Team Research Report  
Team Web Site Review

### Tuesday July 9, 2013

9 am Boating/Water Testing & Announcements  
2 pm Research Reports - Dixon-Patterson Hall, Room 231  
•Remote Sensing Team  
•Pennsylvania State University Team (Mentor Peter Burkett by polycom)

### Wednesday July 10, 2013

2 pm GRSS Chapter Meeting - Dixon-Patterson Hall, Room 231  
Call to order  
Minutes  
Speaker introduction ..... Dr. Malcolm LeCompte  
Guest Speaker..... Mr. Clay Swindell  
Archaeologist, Museum of the Albemarle  
*Modern Digital Orthographic Quarter Quad (DOQQ) aerial photography and Ground Penetrating Radar (GPR) application to the Cobbs Point-Culpeper Rebellion Archaeology Project*

- Archeology Team Research Report
- IGARSS 2013 Update
- Closing Remarks

### Thursday July 11, 2013

9:30 – 12:00 pm Breakfast Dixon-Patterson Hall, Room 231  
•The Importance of Graduate School ..... Mr. Michael Jefferson  
•Graduate School Opportunities ..... Dr. Aurelia T Williams  
NSU Computer Science Chair  
  
•Research Reports  
-Massive Open Online Courses on a Cloud (Mentor J. Mitchell by polycom)  
-Research Experience for Teachers (RET) Team

6 pm Closing dinner at Groupers  
•Travel report from "Science on the Sound"  
•REU reflections from students  
•Distribution of Coast Guard, CPR and First Aid certifications

### Friday July 12, 2013

•Final Written Reports, Checkout and Task Sheets due to Patrina Bly/Marisol Denny  
•Distribution of final stipends through Joal Hathaway  
•Depart for the airport