

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 2011, with online mentoring and follow-up during the academic year 2011-2012.

Upcoming Events

IGARSS 2011, Vancouver, Canada
July 24-29, 2011, <http://igarss11.org/>

Academic Year Undergraduate Research Experience, ECSU
August, 2011 – April, 2012, <http://nia.ecsu.edu/ur.html>

TeraGrid '11 Conference
July 18-21, 2011, <http://www.teragrid.org/tg11/>

83rd Annual National Technical Association Conference
September 14-16, 2011, <http://www.ntaonline.org/conference2011.html>

Celebration of Women in Mathematics
October 2011, <http://nia.ecsu.edu/cwm.html>

American Geophysical Union (AGU) Meeting, San Francisco, CA
December 5-9, 2011 <http://sites.agu.org/fallmeeting/>

2011 Participating Institutions

Norfolk State University	Hampton University
Unity College	University of Vermont
Towson University	Cornell University
University of Pennsylvania	University of Kansas
Columbia University	Rochester Institute of Technology
University of Ghana	Elizabeth City State University
St. Augustine's College	Mississippi Valley State University
Spelman College	University of Maryland, Baltimore

JULY 18-22, 2011

REU OMPS 2011

RESEARCH EXPERIENCE FOR UNDERGRADUATES IN OCEAN, MARINE, POLAR SCIENCE 2011



CLOSING PROGRAM EVENTS



REU/URE Closing Events Program

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

The Use of the Math Sprint in a Tutorial Program for Sixth Grade Students to Improve End of Grade Test Scores

Dalesha Cartman (MVSU), Sean Leavy (UM), Marvin Elder II (MVSU)
Mentor: Dr. Darnell Johnson

Area Reduction of the Elizabeth City State University Ice Shelf

Jessica Brownlow (MVSU), Kirsten Hawk (Spelman), Ya'Shonti Bridgers (ECSU)
Mentor: Dr. Malcolm LeCompte

Water-Quality Assessment of the Pasquotank River Watershed; Analysis of Dissolved Oxygen, pH, Salt, Total Dissolved Solids, and Conductivity

Antonio Deese (SAC), Shaquetta Hassell (NSU), Aurielle Jones (SAC)
Mentor: Mr. Jeff Wood

Charles Creek Flood Zone Modeling: A Correlation Study of Environmental Conditions Verses Water Level in the Pasquotank Watershed

Lekedrick Easley (MVSU), Nartezya Dykes (Spelman)
Mentors: Mr. Je'aime Powell, Mr. Jerome Mitchell, Mr. Kuchumbi Hayden

Development of an Algorithm Using Satellite Sea Surface Temperatures from the CERSER Ground Station to predict NOAA North Carolina Coastal Sea Buoy Temperatures

Ignatius Williams, Rockson Armaah (Univ. of Ghana), Mentor: Mr. Je'aime Powell

Developing a Method for Estimating Accumulation Rates using CReSIS Airborne Snow Radar from West Antarctica

Ryan Lawrence (ECSU), Mentors: Dr. Ian Joughin, Ms. Brooke Medley (UW)

Do Strain Rates Determine the Spatial Density of Crevasses on the Greenland Ice Sheet?

Brandon Scott (SAC), Mentors: Dr. Ian Joughin, Ms. Kristin Poiner (UW)

☞ Monday July 18, 2011

10 – 12:45 am Breakfast in 231 Dixon Hall
CReSIS Virtual Seminar: *Climate Change and CReSIS* by Dr. Richard Alley, PSU
Team Research Reports by:
Antarctic Grounding Line Team by Jessica Brownlow, Kristen Hawk, Ya'Shonti Bridgers
Team Website Review
7 – 8:30 pm B-B-Q on the Pasquotank River (Charles Creek)

☞ Tuesday July 19, 2011

8:30 – 11am Boating and Water Quality Testing
1:30 – 4:pm GRSS Student Chapter Meeting in 229 Dixon Hall
Welcome by Je'aime Powell, Chapter President
Introduction of the Researchers (self introductions)
Introduction of Guest:
IU and KU virtual guest by Stacey Freeman, KU
ECSU Model Scholars by Darius Eure, ECSU
Minutes from the March 29, 2011 meeting by Patrina Bly
Team Research Reports by:
Pasquotank Watershed Assessment Team by Aurielle Jones, Shaquetta Hassell and Antonio Deese
CReSIS Visualization Team I by Brandon Scott
Closing Comments by Dr. Mark Melton, Dean Division of Natural Sciences & Mathematics, St. Augustine's College

☞ Wednesday July 20, 2011

10:00 – 1pm Breakfast in 231 Dixon Hall
Greetings from Dr. Tom Drake, Office of Natural Research
2011 Program Highlights by Dr. Linda Hayden
Completion of REU program evaluation form
Examples of Professional Statements by Brandon Scott
Team Research Reports by:
CReSIS Visualization Team II by Ryan Lawrence
Remote Sensing Ground Station Operation Team by Ignatius Williams and Rockson Armaah

☞ Thursday July 21, 2011

1pm Lunch in 231 Dixon Hall
Research Team Reports by:
Mathematics Education Team by Dalesha Cartman, Sean Leavy and Marvin Elder II
Flood Zone Modeling Team by Lekedrick Easley and Nartezya Dykes

☞ Friday July 22, 2011

Final Written Reports, checkout and Task Sheets due to Patrina Bly/ Marisol Denny
Distribution of final stipends through Joal Hathaway
Depart for the airport at noon, Kevin Jones van driver



