

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 2014, with online mentoring and follow-up during the academic year 2014-2015. The program also includes a Research Experience for Teachers (RET) component, which involves pre-service STEM education majors.

Upcoming Events

IGARSS 2014 Québec City, Canada

July 13th – July 18th, 2014 <http://www.igarss2014.org/>

Celebration of Women in Mathematics - ECSU

October 14, 2014 <http://nia.ecsu.edu/cwm.html>

African Association of Remote Sensing of the Environment (AARSE)

Johannesburg, South Africa

October 27, 2014 <http://www.aarse2014.co.za/>

HPC Matters: SuperComputing 2014 New Orleans, Louisiana

November 16, 2014 <http://sc14.supercomputing.org/>

International Conference on Appropriate Technology Nairobi, Kenya

November 25, 2014 <http://www.appropiatetech.net>

AGU Fall Meeting San Francisco, California

December 15, 2014, <http://fallmeeting.agu.org/2014/>

CReSIS NSF Annual Site Visit Washington, DC

October 6-8, 2014

Participating Institutions

Pennsylvania State University
Longwood University
Elizabeth City State University
Haskell Indian Nations University
Colorado School of Mines
Hamline University

Mississippi Valley State University
University of Kansas
Winston Salem State University
Jackson State University
University of California - LA



CLOSING PROGRAM EVENTS



Ground penetrating radar survey of Edenton Green for early structural remains

Dominique Marshall (JSU), Shanecia Beckworth (MVSU), Mentor: Dr. Malcolm LeCompte

Enhancing parent involvement for NC-CCSS for K-2 mathematics

Deanna Mallard (RET) (MVSU), Nyjah Grant (RET) (LU), Tayla Frizzell (RET) (MVSU), Mentor: Dr. Darnell Johnson

Site preparation for 3.6m X/L Band and 3.7m C-Band ground stations

Antonio Guion (ECSU), Anthony Meadows (ECSU), Mentor: Mr. Andrew Brumfield

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

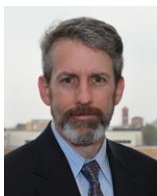
Raveen McKenzie (MVSU), Jamal Stevenson (MVSU), Mentor: Mr. Jeff Wood

Validation of the basal stress boundary utilizing satellite imagery along the George VI Ice Shelf, Antarctica

Omar Owens (WSSU), Anthony Scott (WSSU), Mentor: Mr. Michael Jefferson

Dr. William Moore, Hampton University

Dr. Moore earned his Ph.D. and M.S. in Geophysics & Space Physics at the University of California, Los Angeles, CA. He has served on a number of high-level committees for determining and evaluating research policy in the United States. As part of the steering committee for the Outer Planets Assessment Group, the National Academy of Sciences decadal review of solar system exploration, and the science definition teams for the Jupiter Icy Moons Orbiter and Europa Flagship Explorer. Dr. Moore has also helped to set national science priorities for future exploration of the solar system. He has participated in a number of successful missions to explore other planets (Magellan, Galileo), and looks forward to being a part of future NASA exploration of the Solar system. Dr. Moore joined the Atmospheric and Planetary Sciences staff as an Associate Professor in Spring 2010.



Dr. Rebecca Haacker-Santos, The University Corporation for Atmospheric Research

Rebecca Haacker-Santos is the Director of the SOARS Program and the SOARS Center for Undergraduate Research at the UCAR Center for Science Education. UCAR offers a broad range of workforce development opportunities for students from high school to postdoc level, as well as many opportunities for instructors and faculty. The SOARS Program is an NSF-funded undergraduate-to-graduate bridge program with a mission to broaden participation in the atmospheric and related sciences. Rebecca is passionate about helping students identify their strengths and unique skills and has connected countless students with careers they love. The newly formed NSF-funded SOARS Center for Undergraduate Research provides community building, resources, support and professional development for faculty and scientists leading research experiences for undergraduates. Prior to joining UCAR, Rebecca taught community college in the US, and undergraduate and graduate students in Germany and in Central America. Before moving to the US, she managed multiple conservation and research projects for the European Union and the German Development Agency in Central America and served as field director of the Marine Wildlife Refuge Punta de Manabique, Guatemala. In every project she led Rebecca made sure to involve undergraduate students in research and fieldwork. Rebecca received her B.Sc. in physical geography and a M.Sc. in geography and cultural anthropology from the University of Hamburg, Germany. Rebecca has extensive additional training in employment law, diversity issues, student mentoring, counseling and mediation.



☞ Monday July 7, 2014

AM Teams Meet
PM Team Website Review

☞ Tuesday July 8, 2014

AM Open Lab
1:00 pm GRSS Chapter Meeting - Dixon-Patterson Hall, Room 231
Call to order
Minutes
Speaker introduction Dr. Malcolm LeCompte
Guest Speaker Dr. William Moore
Hampton University
Atmospheric Remote Sensing
Radar Research Team - Dr. Malcolm LeCompte Mentor
IGARSS 2014 Update
Closing Remarks
Reception

☞ Wednesday July 9, 2014

9:00 am Breakfast Dixon-Patterson Hall, Room 231
10:00 am Team Oral Reports
TeraScan Research Team - Mr. Andrew Brumfield, Mentor
Pasquotank Watershed Research Team - Mr. Jeff Wood, Mentor
Mathematics Research Team - Dr. Darnell Johnson, Mentor
PM Open Lab

☞ Thursday July 10, 2014

8:00 am Breakfast Dixon-Patterson Hall, Room 231
9:00 am Professional Development Seminar
Antarctic Research Team – Mr. Michael Jefferson, Mentor
Guest Speaker Dr. Rebecca Haacker-Santos
The University Corporation for Atmospheric Research (UCAR)
Achieving Diversity in Atmospheric Science and Related Disciplines
PM Task Sheets Due
Boating (optional)
6:00 pm Closing Dinner at Groupers Restaurant
•REU reflections from students
•Distribution of Coast Guard, CPR and First Aid Certifications

☞ Friday July 11, 2014

•Final Written Reports, Checkout
•Distribution of final stipends through Joal Hathaway
•Depart for the airport

