

Upcoming Events

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

October 23, 2010

USA Science & Engineering Festival

Center of Excellence in Remote Sensing Education and Research
National Mall, Washington D.C.
<http://www.usasciencefestival.org>

November 9, 2010

2010 Internship Roundtable

Center of Excellence in Remote Sensing Education and Research
2:00pm Room 229 Dixon-Patterson Hall
<http://nia.ecsu.edu/ur/1011/101109rtable/2010roundtableFlyer.pdf>

November 17, 2010

GIS Day

<http://www.gisday.com>

November 18, 2010

NCREN Community Day 2010

North Carolina School of Science and Mathematics
<https://www.mcnc.org/events/community-day-2010>

November 24, 2010

The 4th International Conference on Appropriate Technology

Accra, Ghana
<http://www.appropriatetech.net>

November 30, 2010

2nd IEEE International Conference on Cloud Computing Technology and Science

Indiana University
<http://www.cloudcom.org/>

December 13-17, 2010

American Geophysical Union Fall Meeting

San Francisco, California
<http://www.agu.org>

Jan 31 – Feb 4, 2011

ECSU Research Week

Elizabeth City State University

April 14, 2011

ADMI Symposium

Clemson University, Clemson, South Carolina

June – July, 2011

Research Experience for Undergraduates

Elizabeth City State University
<http://nia.ecsu.edu/ure.pdf>

August 1-5, 2011

2010 IEEE International Geoscience & Remote Sensing Symposium

Sendai, Japan
<http://www.igarss11.org/>



CERSER



The ECSU Center of Excellence in Remote Sensing Education and Research is the home of the IEEE-Geoscience and Remote Sensing Society Eastern North Carolina Chapter #03181. The goal of CERSER is to develop and implement innovative and relevant research collaboration focused on ice sheet, coastal, ocean, and marine research.



The Center for Remote Sensing of Ice Sheets is a Science and Technology Center established by the National Science Foundation with the mission of developing new technologies and computer models to measure and predict the response of sea level change to the mass balance of ice sheets in Greenland and Antarctica.

CENTER of EXCELLENCE IN REMOTE SENSING EDUCATION AND RESEARCH

Dixon Hall Room 229/232 Elizabeth City State University Box 672 Elizabeth City, NC 27909
Phone: (252) 335-3992 Fax: (252) 335-3790 <http://cerser.ecsu.edu>

Dr. Linda B. Hayden, Principal Investigator
NSF CReSIS FY2005-108CMI & REU ANT-0944255
ONR Grants: #N00014-11-0529 & #N000014-01-1070

CERSER

Distinguished Lecture Series

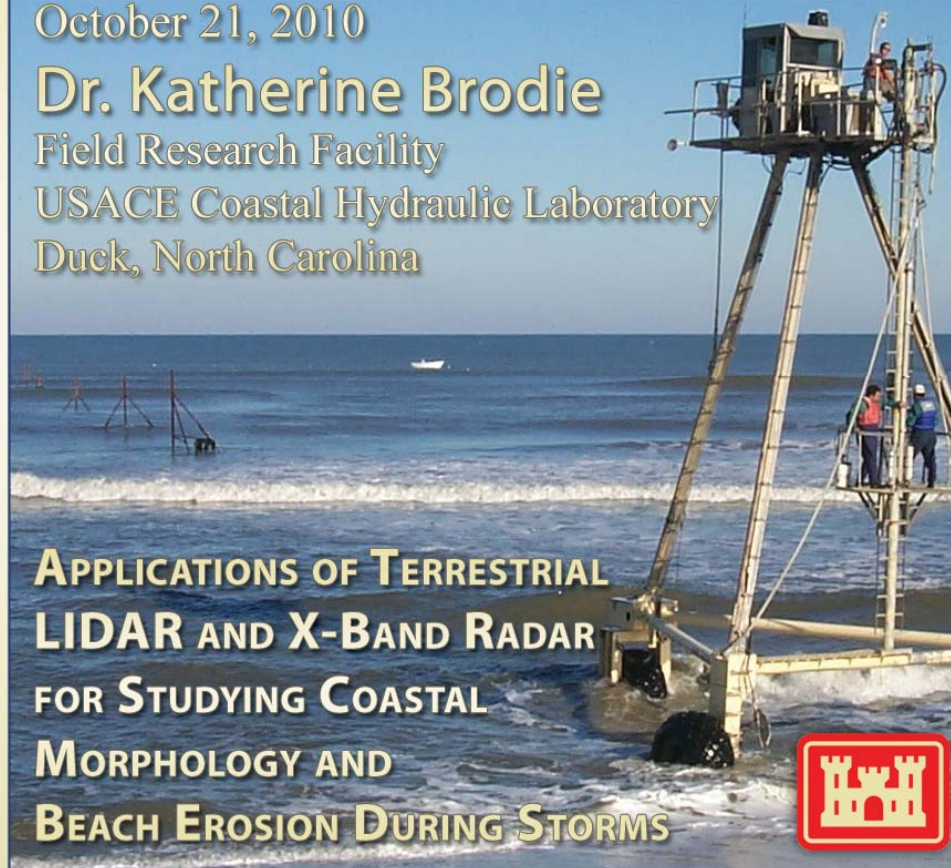
October 21, 2010

Dr. Katherine Brodie

Field Research Facility

USACE Coastal Hydraulic Laboratory

Duck, North Carolina



**APPLICATIONS OF TERRESTRIAL
LIDAR AND X-BAND RADAR
FOR STUDYING COASTAL
MORPHOLOGY AND
BEACH EROSION DURING STORMS**

Meeting of the Eastern North Carolina IEEE-GRSS Chapter #03181

ECSU

ELIZABETH CITY STATE UNIVERSITY

Elevate Higher. Emerge Stronger.



CERSER Distinguished Lecturer

Dr. Katherine Brodie

Field Research Facility - USACE Coastal Hydraulic Laboratory
Duck, North Carolina

Applications of Terrestrial LIDAR and X-Band Radar for Studying Coastal Morphology and Beach Erosion During Storms



Dr. Kate L. Brodie is a research oceanographer at the Field Research Facility (FRF) of the U.S. Army Corps of Engineer’s Coastal Hydraulics Laboratory. The FRF is a unique facility located on the Atlantic Ocean in Duck, NC that has been conducting coastal research and collecting continuous observations of beach topography and nearshore waves since 1977. Dr. Brodie joined the staff in June, 2010, bringing expertise in coastal applications of state-of-the-art remote sensing technologies such as X-Band radar and terrestrial LIDAR. Dr. Brodie’s research goals are aimed at understanding the morphodynamics

of coastal change on the time scale of storms-to-years, with the ultimate goal of increasing prediction skill of shoreline evolution and inundation models during storms. Her research program is also focused on developing innovative technologies that increase researchers’ ability to collect wave, current, and bathymetric data in the dynamic surf-zone during storm conditions. Dr. Brodie received her Ph.D. in Geological Oceanography in May, 2010 from the Virginia Institute of Marine Science, where she co-developed Coastal LIDAR and Radar Imaging System (CLARIS), with her advisor, Dr. Jesse E. McNinch, and twice-earned an Outstanding Student Paper Award at the American Geophysical Union’s annual Fall Meeting.

SCHEDULE OF ACTIVITIES Thursday, October 21, 2010

Room 229 Dixon-Patterson Hall

Meeting of the Geoscience and Remote Sensing Society

CERSER Distinguished Lecture

☞ 2:00pm Welcome and Introductions **Dr. Linda Hayden**
GRSS Chapter President

Dr. Harry Bass
Dean, ECSU School of Mathematics, Science and Technology

Introduction **Dr. Jinchun Yuan**
Oceanographer, ECSU

Dr. Katherine Brodie
USACE Coastal Hydraulic Laboratory
Applications of Terrestrial LIDAR and X-Band Radar for Studying Coastal Morphology and Beach Erosion During Storms

Minutes – October 29, 2009 Meeting..... **Mr. Jeff Wood**
GRSS Chapter Secretary

Vice-President Report on Membership..... **Dr. William Porter**
GRSS Chapter Vice-President

IGARSS 2010..... **Dr. Linda Hayden**
GRSS Chapter President
Patrina Bly, Chelsea Vick

Closing Remarks **Dr. Linda Hayden**
GRSS Chapter President

☞ 3:00-3:30pm Reception and Research Poster Session

