On July 21, 2008, Elizabeth City State University welcomed Dr. Mohan Munasinghe to speak at the Chancellor’s Distinguished International Visiting Lecture Series luncheon. Dr. Munasinghe is the Vice Chairman of the United Nations Intergovernmental Panel on Climate Change (IPCC) in Geneva and co-winner of the 2007 Nobel Peace Prize for work on global warming.

The program was opened by Dr. Ali Khan, Vice Chancellor for Academic Affairs at ECSU. Dr. Willie J. Gilchrist, Chancellor, ECSU, extended greetings to Dr. Munasinghe and guests in attendance. Fifteen students from ADMI institutions participated.

Global Warming Nobel Peace Prize Winner - Dr. Mohan Munasinghe

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Distinguished Lecture Series with Dr. Richard Moore and Dr. Derrick Lampkin

The Center of Excellence in Remote Sensing Education and Research welcomed Dr. Richard Moore, Professor Emeritus of Computer and Electrical Engineering at the University of Kansas and Dr. Derrick Lampkin, Department of Geography at Pennsylvania State University. Dr. Moore’s presentation on the history of microwave remote sensing was titled Microwave Remote Sensing from its Beginning to its Current State of the Art. Dr. Lampkin’s presentation was entitled Monitoring the Antarctic Ice Shelf Energy Balance using Robotic Rovers which gave an overview of his research project on gathering meteorological data from points outside the current Antarctic Automatic Weather Station (AWS) system. The lectures, co-sponsored by the NSF CI-TEAM project were webcast to all ADMI Partners. The lectures, co-sponsored by the NSF CI-TEAM were webcast to ADMI and CReSIS partners. Representing ADMI at the events were Dr. Andrea Lawrence of Spelman College along with Tyrone Whitehurst, Phillip Hayes Jr., and Brittany Herring from Norfolk State University.

ADMI Participation in the NSF CI-TEAM and CReSIS Projects

The vision and goals of the National Science Foundation CI-TEAM at ECSU project titled “Cyberinfrastructure for Remote Sensing of Ice Sheets,” are based on the fact that “educational settings, audiences, and goals are too important to be adequately addressed as afterthoughts or add-ons to cyberinfrastructure projects and, instead, must be treated as high priorities integrated in a project’s overall design”. The NSF CI-TEAM at ECSU project, through the Association of Computer and Information Science/Engineering Departments at Minority Institutions (ADMI), aggressively engages computer science and engineering students from eleven minority universities in the Grid, remote sensing, and CReSIS training, seminars, workshops and classes. ADMI serves as a forum through which faculty and students in computer and information science/computer engineering departments at minority institutions may exchange information and ideas for improving the quality and effectiveness of computer and information science/engineering education at minority institutions. Dr. Linda Hayden is the principal investigator. Co-investigators in the project are Dr. Geoffrey Fox of Indiana University and Dr. Prasad Gogineni of The University of Kansas. Dr. Diana R. Rhoten is the NSF Program Officer.
Undergraduate Research Experience Summer 2008

Temporal and Spatial Variations of Sea Surface Temperature and Chlorophyll a in Coastal Waters of North Carolina
Mentor: Dr. Jinchun Yuan
Phillip Moore - Saint Augustine’s College
Yao Selom Messan - North Carolina A&T
Brittany Maybin - Spelman College
Chelsea Goins – Elizabeth City State University

Younger Dryas Impact Study
Mentor: Dr. Malcolm LeCompte
MyAsia Reid – Elizabeth City State University
Devina Hughes - Mississippi Valley State University
Leroy Lucas - Mississippi Valley State University

Designing and Developing a Portal for the Polar Grid High Performance Computing System at ECSU
Mentor: Mr. Jeffrey Wood
Patrina Bly – Elizabeth City State University
Justin Deloatch - Mississippi Valley State University
Camden Hearn - Mississippi Valley State University
Jonathan Henderson - Mississippi Valley State University

The Modeling of Beach Erosion and Shoreline Changes Supported by Prior Research Based on Video Image Processing in Duck, North Carolina
Mentors: Mr. Ernst Wilson/Dr. Arvin Agah
Omotilewa Oluwatoba - Nigeria
William Shannon - Winston Salem State University
Michael Jefferson – Elizabeth City State University

Polar Grid July 2008 Field Season - Ilulissat, Greenland
The goals of the Polar Grid project in support of the Center for Remote Sensing of Ice Sheets (CReSIS) project were to provide backup facilities for all data collected on the CReSIS flights; provide processing facilities to test data in the field; to send processed images to the University of Indiana for geographical based image feeds.

The 2008 Ilulissat, Greenland Field Team included Dr. Eric Akers, ECSU professor, and Mr. Je’aime Powell, ECSU graduate student. Participating in broadcasts from Ilulissat, Greenland were students from Mississippi Valley State University, Spelman College, Elizabeth City State University, North Carolina A&T University, Winston-Salem State University, and St. Augustine’s College.
Each year, the Association of Computer and Information Science/Engineering Departments at Minority Institutions (ADMI) hosts a symposium devoted to computing issues relevant to minority students, education and institutions. The 2008 Symposium was held in Virginia Beach, Virginia on April 3-6. The symposium highlighted undergraduate and graduate research. Dr. Geoffrey Fox, Indiana University, conducted a workshop for faculty on cyberinfrastructure opportunities for MSI’s during ADMI 2008.

Awards were given for the oral and poster presentations. Presentation of the awards and certificates was presided over by Dr. Robert Willis, ADMI President and Dr. Lawrence Oliver, ADMI Ex-Officio. Dr. Linda Hayden also presented awards and certificates to those students in the NSF CI-Team Project. Seventeen students from ADMI institutions received CI-TEAM scholarships.

CI-TEAM Scholarship Recipients

2008

Elizabeth City State University
  Tiwana Walton
  Jamika Baltrop
  Wanda-Marie Carey

Florida A&M University
  Kevin Lawrence
  Rodney DuBose

Hampton University
  Noah Kithcart

Mississippi Valley State University
  DeMarcus Thomas
  Marcus Winn
  Alvin McClerkin
  Benjamin Harvey

Spelman College
  Chanelle Green
  LaTorria Jones

University of the District of Columbia
  Travis Brenhan

Winston-Salem State University
  Michael Robertson
  Edward Jordan II
  Michaelyn Jackson
  Ryan Folks

2007

Elizabeth City State University
  Unquiea Wade
  Bryce Carmichael
  Gregory Brown

Hampton University
  Noah Kithcart
  Brittany Adams

Howard University
  Jessica Battle

Jackson State University
  Douglas Gavin

Mississippi Valley State University
  Amanda Bland
  Keisha Jackson
  Camden Hearn
  Daniel Smart
  Cedric Foster
  Marcus Winn
  Shundii Clay
  Amber Williams
  Alvin McClerkin
  Thomas DeMarcus
  David Gregory II

Winston-Salem State University
  Georgette C. Gray
  Timothy Campbell
  Michaelyn Jackson
  Michael Robertson

The 2007 ADMI Symposium was held in Atlanta, Georgia on February 8-10. The theme 2007 symposium was “Computing: Innovation Without Boundaries.” Twenty-two students from ADMI institutions received CI-TEAM scholarships.
Dr. Andrea Lawrence has been identified as the ADMI point of contact in the newly submitted proposal to NSF for continuation of the CRESIS Science and Technology Center through years six through 10. The submitted ADMI budget is for $606,690. Travel is requested for staff and students to attend CReSIS related events including NSF site visits, advisory committee meetings and required strategy sessions.

Support is also requested for participation of ADMI students in the summer eight week research training program on the campus of ECSU. Students will receive a stipend of $300/week. Eight students will be supported in years six through ten.

Support is also requested for the involvement of MSI faculty members in CReSIS related training events and workshops. Fifteen faculty members will participate in years six through eight and ten in year nine. Support will not be available in year ten.

The primary goal of the Center’s diversity program is to increase the number of students from groups underrepresented in science and engineering. A critical factor in achieving this goal is to also ensure CReSIS maintains diversity among the faculty; staff; and scientific and technical collaborators these K-12 and undergraduate students will interface with and learn from. CReSIS achieved a 20% objective for graduate and undergraduate students from underrepresented groups in its initial phase. A continuing partnership with ECSU and a new partnership with ADMI offers CReSIS unique perspectives to scientific and technical problems while simultaneously providing the students greater access to graduate education at other Center universities. CReSIS will continue to devote the resources necessary to embed diversity considerations into our various programs, rather than treating it as “something else” we do.