The Association of Computer/Information Sciences and Engineering Departments at Minority Institutions (ADMI) was founded in August 1989. It is an organization dedicated to exploring and providing remedies to the educational issues in computer/information science and computer engineering that confront minority institutions of higher education.

The past year has been exciting for members of the Association of Computer and Information Science/Engineering Departments at Minority Institutions (ADMI), starting with the 2012 Symposium hosted by Howard University in Washington, DC. The 2012 Symposium highlighted undergraduate and graduate research with particular interest on Cloud Computing.

Our president, Dr. Elvira Caldwell of Winston Salem State University, led a delegation of faculty, graduate students and IT professionals from ADMI institutions to the Virtual School of Computational Science and Engineering Science Cloud Summer School. Dr. Geoffrey Fox, past ADMI workshop presenter organized the event with the assistance of a past ADMI student member, Jerome Mitchell. Jerome is now a Ph.D. candidate at Indiana University.

During the summer, ADMI students participated in an 8-week research training program funded by NSF. The students were mentored by faculty and staff from our CReSIS partner institutions including Indiana University, The University of Kansas, Pennsylvania State University and Elizabeth City State University.

ADMI also supported travel for several students to present their research at the IEEE-Geoscience and Remote Sensing Conference in Munich Germany. Dr. Andrea Lawrence led the IEEE-GRSS delegation. Highlights and photos from each of these events are included in this brochure… I do hope that you enjoy reading the details.

We look forward to an exciting 2013 conference in Virginia Beach, the summer 2013 Research Experience for Undergraduates and the regional faculty workshop.

Dr. Linda Bailey Hayden
ADMI Vice President of Programming

Membership Information
For Individuals at Member Institutions: $25
$5 discount if your institution is an ADMI member

Individual Annual Membership Fee: $30
For period: September 1 – August 31

Institution Annual Membership Fee: $150/year
For period: September 1 – August 31

Perpetual Institution Membership Fee: $3,000
Download the membership renewal form at: http://www.admiusa.org/ and mail to:
ADMI, Inc.
Rebecca Caldwell
126 Bentley Street
Taneytown, MD 21787-2158

Cultivating Innovation
Riding the New Waves in Computing
The 2013 Symposium on Computing at Minority Institutions
Association of Computer and Information Science/Engineering Departments at Minority Institutions

Upcoming Events
ADMI Symposium
April 11 - 13, 2013: Virginia Beach, Virginia
http://www.admiusa.org/admi2013/

REU in Ocean, Marine, and Polar Science
May 20 - July 20, 2013: Elizabeth City State University
http://nia.ecsu.edu/reu.pdf

IGARSS 2013 - Melbourne, Australia
July 21 - 26, 2013: Melbourne, Australia
http://www.igarss2013.org/

Summer 2013 Workshop for MSI Faculty
July 29 - August 2, 2013: Elizabeth City State University
http://nia.ecsu.edu/wise/
2012 IEEE Geoscience and Remote Sensing Symposium :: Munich, Germany

Elizabeth City State University and ADMI students and researchers attended the 2012 IEEE Geoscience and Remote Sensing Symposium in Munich, Germany. This 32nd annual symposium celebrated accomplishments over three decades of leadership in remote sensing instrumentation, techniques, and applications development. The Symposium brought together world-class scientists, engineers and educators engaged in the fields of geoscience and remote sensing. The 2012 Symposium theme was “Remote Sensing for a Dynamic Earth” focusing on the characterization of dynamic Earth processes, assimilation, integrated Earth observing systems and current as well as the next generation of satellite missions. Supported students were: Justin Deloach, Michael Jefferson (ECSU), Narteyya Dykes, Kirsten Hawk (SC), Ignatius Williams, Kwame Agyeku, Amadi Sefah-Twerefour (UG), Victoria Moss, Delandria Ignatius Williams - University of Ghana, Kwame Agyeku, Amadi Afiua Sefah-Twerefour - University of Ghana

Traveling Radars: Designing a Sled
 Kyle Sykes - KSU

How does Precipitation and Temperature Contribute into the Decreasing of Glacier Mass Balance?
 Malcolm McComer – ECSU

Black and White in Remote Sensing
 Marvin L. Elder II-MSVU

Automatic Chamber Measurements of Methane/Carbon Dioxide Fluxes and Isotopologues of CH4 in a sub-Arctic Mir
 Ryan D. Lawrence – ECSU

Utilizing Data Sets from the CReSIS Data Archives to Visualize Greenland Echogram Information
 Shaquia Johnson-MSVU, Maya Smith-WSSU

Modifying FMCW Radar Frequency to Calibrate and Improve Side Lobe and Dynamic Range
 Tyler Berry – HINU

A Curriculum for Communicating Parallel and Distributed Computing Concepts to Underserved Communities
 Ya’Shomi Bridges - ECSU

Ten faculty, graduate students and IT professionals from ADMI institutions participated in the Virtual School of Computational Science and Engineering Science Cloud Summer School July 29 – August 3, 2012 held at Indiana University. The participants represented 7 minority serving institutions and one majority institution. All participants were underrepresented minorities and US citizens. ADMI Inc. provided transportation, stipends and housing for the participants using funds from their CReSIS grant.

The Science Cloud Summer School targeted education and training and the fostering of a community around a topic that has increasing interest and relevance: the use of cloud computing technologies in science – including infrastructure-as-a-service and platform-as-a-service. Because cloud computing systems and technologies provide a considerable departure from traditional models and evolve at a rapid pace, this event provided a basis for participants to immerse in a focused, intensive curriculum to learn fundamentals and experiment with these technologies in practice.

Current CReSIS Ph.D. candidate, Jerome Mitchell served as one of the VSCSE instructors during the workshop which was organized by Dr. Geoffrey Fox.