



JSU CELEBRATES THE
40th Anniversary
OF THE METEOROLOGY PROGRAM

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ABOUT JACKSON STATE UNIVERSITY'S DEPARTMENT OF PHYSICS, ATMOSPHERIC SCIENCES AND GEOSCIENCE

Greetings from the JSU Department of **Physics, Atmospheric Sciences and Geoscience!**

Our department is becoming the country's primary source of African Americans who hold B.S. degrees in geosciences. JSU is the only Historically Black College or University presently offering a degree in Earth Systems Science. Nationally, our atmospheric sciences program has produced one of every three African-Americans who hold bachelor degrees in meteorology. Our meteorology graduates hold highly visible positions on television with The Weather Channel, WLBT, and WJTV. Many of our majors continue on to graduate studies and have received degrees from MIT, Purdue, Georgia Tech, Howard University, Cornell, University of Michigan, and the University of Oklahoma, to name a few. The Meteorology Program has an interdisciplinary focus encompassing Weather Modification and Control, Air Pollution, Aviation, Climatology, Tropical Weather, Mesoscale Meteorology, Satellite Communication, and Computer Applications. The Earth Systems Science program covers geology, hydrology, and climate change. We actively seek bright, talented, and dedicated students to develop into tomorrow's researchers, science teachers, corporate managers, high-tech entrepreneurs, and engineers.



MESSAGE FROM THE PRESIDENT

Dear Friends and Supporters,

It gives me great pleasure to welcome you to the 40th anniversary of the Jackson State University meteorology program. We collectively show our appreciation for the vision the founders of this program established at our renowned institution.

We recognize that various achievements of our graduates who have gone on to award-winning careers and have continued Jackson State University's prestige as one of the nation's primary sources of African-Americans holding bachelor degrees in geosciences. Our Department of Physics, Atmospheric Sciences and Geoscience has excelled in its ability to prepare students for highly visible positions in broadcast meteorology, research, high-tech entrepreneurship, and engineering.

In the forefront of these efforts are our dedicated faculty and staff, whose vast expertise and experience are truly a treasure. Our internationally recognized instructors nurture and encourage our Tigers to push beyond limitations and emerge as today's thought-leaders.

Congratulations to our honorees as they continue to represent the esteemed ideals of JSU in their communities and their careers. Your work is legendary, and we extend our appreciation as you are inducted into the Jackson State University's Meteorology Hall of Fame.

We extend our warmest welcome to our alumni and special guest for attending our anniversary celebration and bringing their expertise to our gathering. Throughout this conference, I ask you to stay engaged and help us shape the future of JSU. My personal respect and thanks goes out to all of you.

Carolyn W. Meyers,
President
Jackson State University

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MESSAGE FROM THE DEAN

It is with sincerest gratitude that we welcome our Tigers home and extend greetings to our special guests as we celebrate 40 years of excellence in Jackson State University's Meteorology Program. Housed in the College of Science, Engineering and Technology (CSET), the Department of Physics, Atmospheric Sciences and Geoscience, continues to represent the high ideals of Jackson State University through research, innovation and most importantly, by producing some of the brightest minds in STEM.

We are proud of the rich heritage our Meteorology Program has established and we applaud the pioneering vision of the department's founders. Our star-studded alumni have played an integral role in placing JSU as one of our nation's principal sources for African-American bachelor degree holders in geosciences. Nationally, our atmospheric sciences program has produced one-third of all African-Americans who hold bachelor degrees in meteorology. Currently, JSU is the only Historically Black College or University presently offering a degree in earth system science. We have a vast interdisciplinary focus in our Meteorology Program encompassing Weather Modification and Control, Air Pollution, Aviation, Climatology, Tropical Weather, Mesoscale Meteorology, Satellite Communication, and Computer Applications.

We applaud our Department of Physics, Atmospheric Sciences and Geoscience, which soars on the wings of CSET faculty who have enthusiastically prepared our students in their fields as is evidenced by our notable alumni. Our program is intentional in developing tomorrow's researchers, corporate leaders, high-tech entrepreneurs, educators and engineers.

Please join us in congratulating our honorees as they are inducted into the Jackson State University Meteorology Hall of Fame and help us celebrate the accomplishments of our distinguished program. Thank you for your continued support and well wishes as we pave the way for another 40 years of excellence and beyond.

Best Wishes,

Richard A. Aló Ph.D., Dean
College of Science, Engineering & Technology
Jackson State University



MESSAGE FROM THE CHAIR

Dear Alumni and Friends,

On behalf of the Jackson State University's Department of Physics, Atmospheric Sciences and Geoscience, it is my pleasure to welcome our alumni and friends to the 40th anniversary of the meteorology program. Some of you have matriculated through our program and moved on to notable careers in your respective fields. We are proud to inform you that your dedication has helped us advance opportunities for those who follow in your footsteps.

Our department has reached new heights in the following areas:

Top-five leader in awarding bachelor degrees in physics to African-American students in the nation

Nationally, our atmospheric science program has produced one of every three African-Americans who hold bachelor degrees in meteorology

The only Historically Black College or University presently offering a degree in earth system science.

The only university/college with a physical science education concentration in Mississippi

None of these accomplishments would be possible without the commitment of our honorees. Today we are beneficiaries of the insight and vision you tirelessly set forth and it is with humble gratitude that we salute you.

We hope you will remain prideful in knowing that our students take full advantage of the great academic cultural of excellence the College of Science, Engineering and Technology has to offer.

Sincerely,

Mehri, Fadavi, Ph.D.
Professor and Chair
Department of Physics, Atmospheric Sciences and Geoscience
College of Science, Engineering & Technology
Jackson State University



STEERING COMMITTEE:

Dr. Mehri Fadavi

Angela Getter

Dr. Kantave Greene

Shari Hales

Aisha Haynes

Alana Jackson

Bill Parker

Dr. James Sims

Dr. Wilbur Walters

Cindy Woods (Chair)

Freddie Ziegler



Workshop and Conference to Celebrate the 40th Anniversary of JSU Meteorology Program November 5-7, 2015

Thursday, November 5, 2015
Location: JSU Student Center Theatre 2200

Registration.....8:00 am – 8:50 am

Opening Ceremony

Master of Ceremony – *Mr. Tony Hurt*

Welcome and Introduction – *Dr. Wilbur Walters*.....9:00 am – 9:20 am

- Highlight the program (Provide program background: faculty, facilities, etc.)**

NCAS and JSU – *Dr. Vernon Morris*.....9:20 am – 9:40 am

Keynote Greetings.....9:40 am – 10:20 am

- *Mr. Benji Spencer*
- *Ms. Pat Brown*

Break.....10:20am – 10:30am

Alumni Panel Discussion.....10:30am – 11:30am

- Facilitator – *Dr. James Sims*
- *Mrs. Cindy P. Woods*
- *Ms. Laurita Brown*
- *Ms. Georgette Holmes*
- *Mr. Christopher Luckett*
- *Dr. Ashton Robinson -Cook*

Meteorology Hall of Fame Nominee Luncheon.....11:30 am– 1:30pm

Location: Student Center Ballroom B

Master of Ceremony – *Mr. Bill Parker*

Remarks – *Dr. Evelyn J. Leggette*

Welcome – *Dr. Richard A. Aló*

NWS Greetings – *Mr. Steven Cooper*

Women in STEM –*Mrs. Deirdre Jones*

A Diverse Career Path – *Dr. Marshall Shepherd*

Introduction of Hall of Fame Nominees – *Dr. Mehri Fadavi and Meteorology Club*

Closing Remarks – *Dr. Lonzy J. Lewis*

Hands on Professional Development.....2:15pm – 3:45pm

Location: Student Center Senate Chamber Rm 3250

- Facilitators: *Mr. Freddie Zeigler and Mrs. Aisha Haynes*
- How to apply for scholarships/internships/graduate programs – *Ms. Kar’retta Venable*
 - personal statement and biographical sketch
 - obtain reference letters
- How to apply for a federal job – *Mr. Freddie Zeigler/Mr. Mike Hill/Mr. Davyon Hill*
 - cover letter and resume writing
- Pathways/NOAA Scholarship Programs – *Ms. Hope Hasberry*
- How to present a clean image on social media – *Mr. John Moore*
- Conference attendance (how to make the most out of your conference experience) – *Mrs. Aisha Haynes*

Hands on Professional Development3:45 pm – 5:00 pm

- Internship Opportunities/Application Completion

Honorees

HONOREES



Pat Brown

Patricia A. Brown (Jones) is the senior service hydrologist for the National Oceanic and Atmospheric Administration's (NOAA) National Weather Service (NWS) Weather Forecast Office (WFO) at New Orleans/Baton Rouge LA, located in Slidell, La. Brown manages the hydrologic services program for 22 parishes in southeastern Louisiana and eight Mississippi counties, including the Mississippi Gulf coast.

Born in Jackson, Miss., Brown attended Jackson State University (JSU) and majored in meteorology, with a minor in mathematics. She pursued graduate studies in atmospheric science and in technology and science policy at the Georgia Institute of Technology. As a student, she worked at the Massachusetts Institute of Technology Lincoln Laboratory in Lexington, Mass., and at the National Center for Atmospheric Research (NCAR) in Boulder, Colo.

Brown has been an active member in the National Weather Service Employee's Organization (NWSEO). She served as the NWSEO Southern Region Chairperson, 1994 to 1997. Brown has served on several boards within the Department of Commerce. She serves on the boards for Safe Harbor Domestic Violence Program, Slidell Empowering Ladies and Family (SELF), Rotary Club (RI) of Slidell, and Gulf States Leadership Institute (GSLI). Brown is often sought after as a speaker on scientific, managerial, motivational and employee-related topics.

Brown is an active volunteer for the New Orleans Area Federal Executive Board (FEB). With that organization, she has served as chairperson and co-chairperson for several FEB functions and annual programs. As the Outreach Committee Chairperson, Brown oversaw successful campaigns that benefitted ARC of Greater New Orleans, the Ochsner Health Care System Blood Bank of New Orleans, the St. Tammany Parish Shelter and Second Harvest Food Bank.

Brown graduated in the 2013 Class of Leadership Northshore. She is a member of the American Association of University Women (AAUW); Alpha Kappa Alpha Sorority Inc. and the American Meteorological Society (AMS). Brown has served as a mentor for meteorology students from her alma mater, JSU, for students from other schools and universities, and for colleagues within the NWS. She is an active teacher and trustee at Macedonia Baptist Church in Slidell.

Real estate is Brown's avocation. She is a member of the National Association of Realtors, the Louisiana Association of Realtors and the Northshore Area Board of Realtors. She is a member of the Women's Council of Realtors (WCR). Brown is certified as an Accredited Buyers Representative and attended Graduate Realtors Institute.

Brown is the proud mother of one son, Zane Jones, and stepmother to Jessika and Jerome Jones. Her motto: "We are here, with our talents-at this time, in this place, in this lifetime -to serve."



Vivian Brown

The daughter of two college professors, Brown was a serious student who had always excelled in math and science. She was also a talented athlete who participated enthusiastically in track and field events, a passion encouraged by her track coach father. Jackson State University (JSU) offered her a full athletic scholarship and she seized the opportunity to combine her interests in meteorology and track. Although a number of colleges offered her scholarships, it was only at JSU that she could earn an undergraduate degree in meteorology. She continued to compete in track and field events in college, was captain of the track team and in 1984 was ranked fifth in the world in the 50-meter track competition.

The Greenville, Miss. native, first arrived in Atlanta in 1986, her senior year in college, to complete a research project in atmospheric science at Georgia School of Technology. While in Atlanta, she submitted her resume to The Weather Channel's national headquarters and within a few months of receiving her bachelor of science degree, the only meteorology graduate in her class at Jackson State, she was hired by the The Weather

Channel as a product specialist. Two years later she joined the network's apprenticeship program, designed to help behind-the-scenes meteorologists develop skills in television presentation. Her career with The Weather Channel spanned over 25 years.

Brown is a member of American Meteorological Society; International Weather Association and Alpha Kappa Alpha Sorority Inc. She has received the 20th-Century Pioneer in Atmospheric Science award, 1999. Married and mother of three, Brown enjoys spending time with her family, playing tennis and reading.

HONOREES



Dr. Keith Johnson

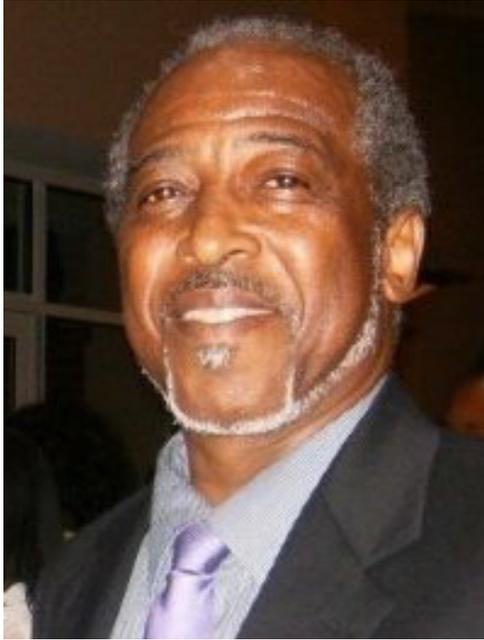
The late Dr. Keith W. Johnson was a former United Methodist Minister, National Weather Service (NWS) meteorologist, and Jackson State University professor.

He worked for the NWS for 22 years before retiring in 1988. He also was the minister at Greenbelt United Methodist Church, 1967 and 1968. From that time until 1988, he was an associate minister at Woodside United Methodist Church in Silver Spring.

In 1988 in Mississippi he became a meteorology professor at JSU. He retired from that post in 1995 and moved to Ocean Pines in 1996.

Johnson, a native of Edmonds, Wash., served with the Army Air Forces in the Pacific during World War II. Later in the 1940s, he taught English as a missionary in Japan.

He received two bachelor's degrees from the University of Washington, a master's degree in meteorology from New York University and a meteorology doctorate from the University of Maryland. In 1956, he received a master's degree in divinity from Union Theological Seminary and was ordained a Methodist minister.



Dr. Lonzy J. Lewis

Dr. Lonzy J. Lewis was born on August 29, 1949 near the town of Sharon, in Taliaferro County, Ga. He is the fifth of seven children born to Lillian and Joseph Lewis. At an early age he displayed an attraction to scientific matters.

He attended primary school in Crawfordville, Ga. and took his first physics course while attending Washington Central High School in Washington, Ga., from which he graduated in 1967. A scholarship facilitated his matriculation at Morehouse College in Atlanta, Ga. where he majored in physics with a minor in mathematics, and earned a bachelor of science degree with honors in 1971.

While at Morehouse he was selected as a Merrill Scholar and served as a tutor in math, physics, and German for both college and high school students. He was also selected as a college work-study fellow and participated in a study abroad program in Germany where he spent one semester touring, studying the German language and culture, and studying physics at the Deutsches Elektronen Synchrotron (DESY) in Hamburg, West Germany.

He was awarded an Environmental Protection Agency (EPA) trainee fellowship to pursue graduate study at the Georgia Institute of Technology from which he obtained the master of science in physics degree in 1973 with a thesis focused on air pollution control. While pursuing his degree at Georgia Tech, Lewis served as laboratory instructor and tutor in the Physics Department at Morehouse College. In 1974, Lewis was awarded a fellowship to pursue the doctoral degree in atmospheric sciences at the State University of New York at Albany (SUNY-Albany). While at SUNY-Albany, he served as graduate student Spokesman; served on the Department of Atmospheric Sciences Self-Study Committee; worked as a mathematics instructor in the Higher Education Opportunity

Program at the College of Saint Rose and worked as a research assistant at the Atmospheric Sciences Research Center (ASRC) where he investigated solar energy and energy conservation in buildings. Lewis earned the doctor of philosophy degree from SUNY-Albany in 1980. While pursuing his doctoral degree, Lewis worked closely with several well known scientific research facilities. Among them were the Oak Ridge National Laboratory, Oak Ridge, Tenn., Physics International Company, San Leandro, California, the Atmospheric Sciences Research Center, Albany, N.Y., as well as DESY.

Upon completion of his studies, he joined the School of Geophysical Sciences at Georgia Tech as a research scientist where he investigated atmospheric effects on solar energy received at the surface. He conducted research as a National Oceanic and Atmospheric Administration (NOAA) postdoctoral fellow and as a faculty research associate at the Solar Energy Research Institute (SERI). He assisted in the establishment of an undergraduate research program and a minor in atmospheric sciences at the Atlanta University Center. In 1983, he accepted a position as associate professor and chairman in the Department of Physics and Atmospheric Sciences at Jackson State University (JSU). While there he was instrumental in the stabilizing, developing, and growing the program. He expanded its state and national recognition; facilitated internships; advanced placement in graduate degree programs; and supported career opportunities. He helped expand the outreach of the program by establishing meteorology clubs at local high schools and serving as a facilitator and judge at science fairs. He also expanded research opportunities for both faculty and students by establishing affiliations and programs with the Naval Research and Development Authority (NORDA) and the Institute of Naval Oceanography (INO) and by providing regional workshops for high school physics teachers. He was a long time consultant with the Mississippi Department of Environmental Quality, Office of Pollution Control. He served JSU for ten years before returning to his native state of Georgia as the chairman of the Department of Physics at Clark Atlanta University (CAU).

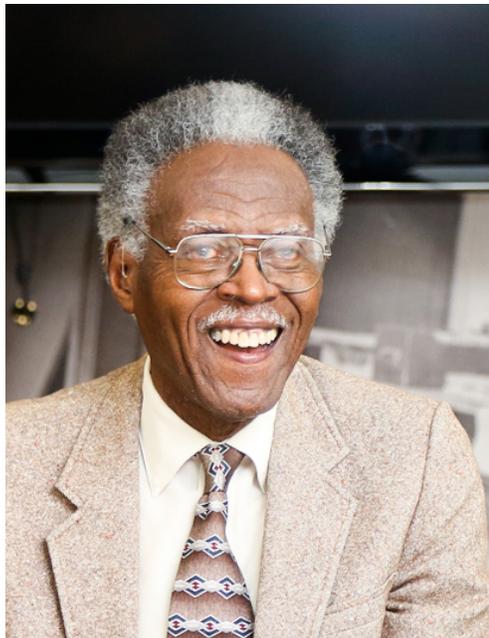
At CAU he continued his studies of solar radiation including solar erythemal and photovoltaics. He mentored and advised many undergraduate and graduate students and helped establish an emphasis in earth systems science at the university. He became involved with scholarly teaching and the Scholarship of Teaching and Learning (SoTL) movement and the use of instructional technology. He served as curriculum supervisor, mentor, and science resource agent for the Dr. Ronald E. McNair Foundation Challengers Clubs and Space Camps for middle school students and as a consultant for K-12 science for the Atlanta Public Schools.

He served CAU until 2009. He holds or has held membership in several professional and civil organizations. Among them are: the American Association of Physics Teachers; the American Physical Society; the American Meteorological Society; the American Solar Energy Society, the International Solar Energy Society, the Sigma Pi Sigma National Physics Honor Society; the National Society of Black Physicists (NSBP) and the Omega Psi Phi Fraternity. Lewis has held leadership positions in local and national organizations including president of NSBP. He established the NSBP Science Ambassador Program as an outreach component of the society to encourage greater knowledge of and participation in science by K-12 students.

Lewis is the recipient of several awards including the Aldridge-McMillan Achievement Award for Outstanding Performance in Teaching (CAU) and the Vulcan Materials Company Teaching Excellence Award. He is a Charter Fellow of the NSBP. He is listed in Who's Who among African Americans, Who's Who in America, International Who's Who of Professionals, and Outstanding Young Men of America.

Lewis' hobbies include playing tennis, family history, photography, watching sports on television, reading science, history and biographical books, traveling and spending quality time with his wife, children, and family.

HONOREES



Dr. John A. Peoples

Dr. John A. Peoples, Jr. is a native of Starkville, Mississippi, where he attended elementary and secondary schools. After graduating from high school, he was drafted into the United States Marine Corps. After discharge from the Marine Corps, he entered Jackson State University in September 1947, where he earned the bachelors degree in mathematics. While attending Jackson State, he was on the varsity football and track teams. He also was elected president of the Student Government Association for two consecutive years. After graduating number one in his class in 1950, he attended the University of Chicago, where he earned the master of arts and doctoral degrees.

After serving 13 years in the public school system of Gary, Indiana as a teacher and school principal, Peoples was employed at Jackson State as a professor of mathematics and vice President in 1964. He was elected President of Jackson State in 1967.

He served as President of Jackson State University from 1967 to 1984.

During his 17-year tenure as President, the university experienced dramatic growth in enrollment, program, and physical plant that was unparalleled by any period in its history. The student enrollment grew from 2,200 to 7,800. The academic program developed from the baccalaureate level in essentially teacher education to a five-school professional program up to the doctoral level. Accreditation grew from the general regional (SACS), to nine national departmental accreditations. The physical plant of the university increased fivefold in classroom space, administrative space and land. He was the first African-American to serve as chairman of the board of the American Council on Education.

He currently serves on the Board of Directors of Jackson Hinds Comprehensive Health Center, the Board of Directors Mississippi Ballet International, the Board of Directors of the Jackson State National Alumni association, the Andrew Jackson Council of the Boy Scouts of America. He serves as Chairman of the National Blue Ribbon Advisory Commission to the President of Jackson State University. He serves on the executive committee of The Governor's Commission to Establish a National Civil Rights Museum in Mississippi. In 2009, he was a recipient of the Mississippi Medal of Service from Governor Haley Barbour.

In July 2012, Peoples was awarded the Congressional Gold Medal, as one of the African American Marines of World War II who were trained at the racially segregated Montford Point Camp of Camp Lejeune North Carolina.

Peoples is the author of two books, *To Survive And Thrive*, published by Town Square Books, Inc. 1995 and *How We Got Over*, Published by John A. Peoples, Ph.D. 2008.

Peoples is married to the former Mary E. Galloway. They are the parents of two children, Kathleen Peoples-Sedlak, Ph.D., a U.S. State Department Embassy Administrator, and Mark A. Peoples, Esq., Attorney, City of New Orleans.



Dr. Charlie J. Smith

As an educational trailblazer, Dr. Charlie J. Smith has had a stellar career. He played a key role in the establishment of the meteorology program at Jackson State University, where he worked from 1969 to 1997.

In 1970, Smith was the first African-American to earn a doctorate from the University of Mississippi, studying science education. His post-doctoral work included courses in pharmacology at the University of Mississippi Medical Center, and he studied meteorology and atmospheric sciences at Pennsylvania State University and the National Center for Atmospheric Research in Boulder, Colo.

A native of Wayne County, Miss., Smith began his teaching career in Clarke County in 1958 after a tour of duty in the U.S. Army. He taught chemistry and physical science at Clark County High School and Jim Hill High School in Jackson. He also inspired future scientists through his work at Rust College.

Smith received his bachelor's in general science from Alcorn State University and his master's in chemistry education from Tuskegee Institute. Also, he studied at the University of North Dakota and Northwestern University.

Smith's community and civic outreach, as well as social involvement and memberships include Kappa Alpha Psi Fraternity, the Hinds County Economic Development District Board of Trustees and Mount Helm Baptist Church, where he serves as a deacon. He's also involved in numerous professional science-related organizations.

A devoted family man, Smith is married to the former Eunice Trass. They have four daughters, eight grandchildren and one great-grandchild.

HONOREES



Cindy Polk Woods

Cindy Polk Woods works with the chief of the Operations Division for the National Oceanic and Atmospheric Administration's (NOAA) National Weather Service (NWS). Her role as a supervisory meteorologist is under the office of the Chief Operating Officer, Operations Division located at NWS Headquarters in Silver Spring, Md.

Woods leads teams consisting of meteorologists, physical scientists, social scientists, program analysts and computer programmers. These teams are responsible for keeping senior leaders and lawmakers abreast of the latest high-impact weather and climate forecasts and the impacts to the citizens and economy of the nation. The teams assess performance during high-impact events, recommends changes and writes policy to implement best practices and improved decision-support services.

Woods has a long, varied work history in meteorology and physical sciences. She has worked as a climatologist, public health environmentalist, research assistant, operational journey and senior forecaster, agricultural meteorologist, field IT physical scientist and program analyst.

Born in the Mississippi Delta, Woods attended Jackson State University (JSU) and majored in Meteorology. The Greenville native completed graduate courses at George Mason and James Madison Universities in Virginia. As an undergraduate, she worked at the Virginia Institute of Marine Sciences (VIMS), a part of the College of William and Mary and Naval Oceanic Office at Stennis Space Center in Mississippi.

Woods is an active member of Federally Employed Women, Blacks in Government, and Loudoun Bible Church. She is committed to the youth in her community. Using her love of math and science, she has worked as an organizer and tutor for math and science for local middle and high school students. She also organized Weather Camps for minority students in Mississippi and the D.C. Metro area.

Woods works across NOAA on teams aimed at increasing the number of under-represented minorities in STEM areas. She is the technical monitor for NOAA Center for Atmospheric Sciences led by Howard University, and she is a mentor/sponsor of the NOAA Diversity and Professional Advancement Working Group.

Woods is married to Donell Woods and the proud mother of Caleb Donell Woods. She is an avid reader and enjoys classic mysteries and westerns. She is a member of Delta Sigma Theta Sorority and two local book clubs. She lives by the maxim, "Be who you are in this life, and that will be a life well spent."



“Sustaining Excellence One Student at a Time” – Jackson State University Meteorology Program’s 40th Anniversary

**Workshop and Conference to Celebrate the
40th Anniversary of JSU Meteorology Program
November 5-7, 2015**

**Friday, November 6, 2015
Location: Just Science Hall Room 207**

Master of Ceremony – Dr. Kantave Greene

Welcome - Mrs. Shari Hales.....	8:30 am – 8:40 am
NWS Diversity Vision – Mr. Richard Hill.....	8:40 am – 9:00 am
STEM Diversity – Dr. DaNa Carlis.....	9:00 am – 9:20 am
Broadcast –Mrs. Yolanda Amadeo/Mr. David Tillman/Mr. Ken South.....	9:20 am – 10:20 am
Break.....	10:20 am – 10:30 am
Student Presentations.....	10:30 am – 11:30 am
Networking Break/ Continue Internship Applications.....	11:30am – 12:00pm
Mentoring Session/Lunch with Meteorology students	12:00 pm – 2:00 pm
Campus and Facility Tours.....	2:00 pm – 5:00 pm
Closing Remarks	

**Saturday, November 7, 2015
Location: Just Science Hall Room 250**

NWS Employee Diversity Roundtable (Lunch).....	11:30am – 1:30pm
NOAA, JSU Meteorology Program Alumni, and JSU Meteorology Club Networking Session.....	1:30pm – 3:30pm

****Highlighting NOAA’s role and relationship to the JSU Meteorology Program**

NOAA History

National Oceanic and Atmospheric Administration is an intrinsic part of the history of the United States and the development of its science and commercial infrastructure. The ancestor agencies of the National Oceanic and Atmospheric Administration include the United States Coast Survey established in 1807, the United States Weather Bureau established in 1870, and the United States Commission of Fish and Fisheries established in 1871.

These organizations were the first physical science agency in the United States, the first agency formed specifically for observation and study of the atmosphere, and the first agency formed to study and conserve natural resources. Under these agencies and their descendants, the United States has become recognized as a world leader in the sciences of geodesy, geophysics, metrology, oceanography, meteorology, climatology, marine biology, and marine ecology.

Millions of passengers and trillions of tons of cargo have safely come to our shores while guided by the charts of the Coast Survey and its descendant organizations. American citizens whose lives have been saved by the warnings of the Weather Bureau and its descendants, and the dollars saved by our national economy as a result of better forecasting, are beyond measure.

The personnel of these organizations served in peace and war; worked in remote and frontier regions of our nation; experienced rough seas, violent weather, various and sundry hardships in accomplishing their mission, and endured separation from family and friends. But through all of this they persevered with quiet courage and a fierce loyalty to their organization.

NCAS History

NCAS is a program funded by a Department of Commerce grant through the National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP). The mission of NCAS is to increase the number of highly qualified, well-trained graduates from underrepresented communities in NOAA-related sciences, with particular emphasis on the atmospheric sciences, for career opportunities with NOAA, NOAA contractors, other federal agencies and academia.

NCAS conducts collaborative research that is aimed at improving forecast accuracy of precipitation through studies of model physical processes and improved data assimilation methodologies. The cooperative research is designed to increase our understanding of atmospheric chemical processes and their effects on local, regional, and global scales. NCAS also conducts field campaigns and implements measurement networks designed to improve our understanding of chemical, physical, and dynamical processes in the atmosphere and climate system. All NCAS partners contribute to student training and professional development through workshops and webinars, shared courses and seminars, outreach activities, student recruitment and mentoring.

The NCAS-supported universities are Howard University, Jackson State University, University of Texas at El Paso, University of Puerto Rico Mayagüez, University of Maryland College Park, and the State University of New York at Albany.

Presenters

PRESENTERS



Yolanda Amadeo

Chief Meteorologist, WALB'S News, Albany, Georgia

WALB'S News 10's Chief Meteorologist Yolanda Amadeo is dedicated to providing viewers with coverage you can count on.

She holds the prestigious American Meteorological Society's (AMS) Seal of Approval. She currently serves on the AMS Board on Pre-College Education and the 2009 AMS Minority Scholarship National Committee. She's a past member of the Broadcast Board of the AMS.

Amadeo is a graduate of Jackson State University with a bachelors of science degree in atmospheric sciences and she holds a bachelors of science degree in speech communications from Florida State University.

She's a recipient of the 2007 National Mark Trail Awards in promoting weather safety through weather radios. In 2007 Congressman Sanford D. Bishop, Jr. presented her a Certificate of Special Congressional Recognition for outstanding achievement, service and public distinction.

In 2004, Amadeo was honored and recognized as one of Southwest Georgia's "Steel Magnolias" in the Women Making Magic Event.

In the community Amadeo has been involved with a number of organizations including the Southwest Georgia Chapter of the American Red Cross as a volunteer and board member. She is a teacher favorite, visiting many schools to share her enthusiasm for weather with children.

Active in her church, St. Teresa's Catholic Church, she serves as a lector and member of the Parish Council.



Ms. Laurita Brown

Oceanographer for the National Ocean Service's Center for Operational Oceanographic Products and Services (CO-OPS)

Laurita Brown Alomassor is an oceanographer for the National Ocean Service's Center for Operational Oceanographic Products and Services (CO-OPS), where she has work for the past 7 years. At CO-OPS, she serves as a member of the Data Monitoring and Assessment Team (DMAT), which provides critical operational support for quality assurance and quality control of real-time oceanographic and meteorological data. Brown Alomassor received her bachelors of science in meteorology from Jackson State University in 2004. Shortly after graduation she began her career with National Oceanic and Atmospheric Administration (NOAA) as a Geographic Information Systems (GIS) data analyst with the National Coastal Data Development Center in Stennis, Miss. She later worked as a GIS analyst at NOAA's National Ice Center in Suitland, Md., analyzing satellite imagery to create snow and sea ice products for navigational support. Brown Alomassor is recognized as a scientist in the "Inspiring Minds: African Americans in Science and Technology" a permanent exhibit at the Charles H. Wright Museum in Detroit, Mich. She also holds a master's certificate in project management from George Washington University.



Dr. DaNa Carlis

Research Meteorologist, NWS/NCEP/Environmental Modeling Center, College Park, MD

Dr. DaNa Carlis is research meteorologist on detail as the policy advisor to the Assistant Secretary for Environmental Observations and Prediction (ASEOP) at National Oceanic and Atmospheric Administration (NOAA) headquarters in Washington, D.C. His home office is the National Weather Service (NWS)/National Centers for Environmental Prediction/Environmental Modeling Center (EMC)/Global Climate and Weather Modeling Branch in College Park, Md.

Carlis' key responsibilities are to assist the ASEOP in serving as NOAA's Deputy Administrator and Chair of the NOAA Observing Systems Council (NOSC), ASEOP drive policy, programming, and investments for all NOAA observational systems and the weather prediction cycle. At EMC, he designs and conducts experimental forecast model runs using the Global Forecast System (GFS) model in order to improve the operational weather prediction capabilities of the NWS.

Carlis joined NOAA in 2002 as a member of the NOAA Office of Education Graduate Science Program (GSP) while a Ph.D. student at Howard University in Washington, D.C. After finishing his coursework, he moved with his wife and daughter (Dr. Lydia Carlis and Dia Carlis) to Hawaii to work at the NWS Pacific Region Headquarters and Weather Forecast Office where he developed high resolution modeling capabilities for operational usage by forecasters. In 2007, he returned to D.C. as a research meteorologist at the EMC. There, he has conducted research using one of the most widely used numerical weather prediction models (GFS) in the world. Science education and mentoring is an effort that he has lead since joining EMC. Since 2009, he has worked with collaborators within the federal government and academia to provide more than 20 summer research internships to students from universities throughout the U.S. After seven years of working on his technical expertise, Carlis was selected to a highly competitive leadership program, NOAA's Leadership Competencies Development Program (LCDP). Since being selected, he has held positions throughout the agency in Homeland Security and higher-level positions at NOAA headquarters. Overall, his goal is to serve his community and develop the best weather prediction model in the world.

Carlis has a wide array of interests that include leadership, program development/management, budget, science education, weather enterprise, and strategic planning.

His other areas of interest and expertise are Numerical Weather Prediction (Regional and Global Modeling), Observations and Analysis Processing, and Science Education. His personal interests include family, travel, youth mentoring, Oklahoma Sooners and Dallas Cowboys football, and soccer.



Mr. Steven Cooper

Acting Regional Director, National Weather Service (NWS) Southern Region (SR)

Steven Cooper is serving as Acting Regional Director for the National Weather Service (NWS) Southern Region (SR). He has also served as Acting Deputy Director for NWS in 2012-2103. Cooper was an intern/forecaster at Albuquerque, N. Mex., and meteorologist in charge at two NWS offices.

He began working at the SR headquarters in 1992. While there, Cooper served in the operations division as assistant chief of meteorological services and chief of climate, water and weather services before being promoted to deputy regional director in 2004. Cooper received his bachelor of science in meteorology from Florida State University and his master's degree in geography (Climatology) from the University of New Mexico. Cooper is in his 37th year of his NWS career.

PRESENTERS



Dr. Ashton Robinson-Cook

Meteorologist, NWS Storm Prediction Center, Norman, OK

Dr. Ashton Robinson-Cook was raised in Little Rock, Ark., with a passion for severe and extreme weather. He learned first-hand of the perils at a very young age; he and his mother were in a mobile home that was struck by damaging straight-line winds (possibly a tornado) when he was only 3 years old. He explains that he was terrified of storms throughout his youth because of that event, but that fear eventually turned into a passion that only increased as he survived major Arkansas tornado outbreaks in March 1997 and January 1999, with individual tornadoes in each of those outbreaks threatening his southwest Little Rock home.

This passion set him on a path toward greater understanding and prediction of severe thunderstorm and tornado outbreaks. He began his career in the National Weather Service (NWS) in Jackson, Miss. while attending Jackson State University (class of 2004). While there, Robinson-Cook studied tornado climatologies for Arkansas and Mississippi along with pulse severe thunderstorms in the southeastern U.S. while gaining valuable insights on the NWS warning program.

Later, he took advantage of an opportunity to join the Storm Prediction Center in Norman, Okla. while earning a doctorate from the School of Meteorology of the University of Oklahoma. On December 9, 2014, he became the first African-American male to earn such a distinction from that school. For his dissertation research, Robinson-Cook studied the effects of El Niño/La Niña on U.S. winter and early-spring tornado outbreaks, setting the foundation for the eventual development of a seasonal tornado prediction scheme. Currently, he is a forecaster at the Storm Prediction Center, with responsibility for issuing thunderstorm and fire-weather outlooks and for providing mesoscale discussions for severe and winter weather.



Dr. Kantave Greene

Faculty Member, Jackson State University, Meteorology Program, Jackson, MS

Dr. Kantave Greene is originally from the island of St. Kitts. He is son to a mother who was a factory worker and a father who was a carpenter by trade. He is first-generation to graduate high school and college. Greene has graduate degrees in both meteorology; which he earned at the University of Utah, and environmental science from Jackson State University, where he also earned his doctorate in 2015.

Greene's scientific areas of research focus on ozone air pollution and tropical meteorology. Academically, he believes in engaging, hands-on, informal education. As such, he strives to engage and expose students to the geosciences and increase the number of underrepresented students in the field.

He has been a faculty member at JSU since 2006. During his tenure, he has been a Center for the Advancement of Informal Science Education (CAISE) Fellow in 2008 and 2009, a National Science Foundation reviewer and lecturer on numerous educational programs for grades 6-12 graders and pre- and in-service teachers.

Greene is married to Crystal Greene and lives in Mississippi. He is an avid soccer fan and anime enthusiast. During his spare time, he enjoys recreational running, soca and reggae music.



Ms. Hope Hasberry

Equal Opportunity and Diversity Management Specialist for NOAA's National Weather Service (NWS) in Silver Spring, MD

Hope Hasberry is an Equal Opportunity and Diversity Management Specialist for National Oceanic and Atmospheric Administration's (NOAA) National Weather Service (NWS) in Silver Spring, Md. She is a native of Heidelberg, Miss. Hasberry received a bachelor of business administration degree in economics from Jackson State University (JSU) in 1998. After graduating from JSU, Hasberry attended graduate school at Howard University in Washington, D.C. where she received a masters of arts degree in human resource economics in 2002. Before completing graduate school, Hasberry had an opportunity to participate in an internship at NWS. After completing her degree, she was converted to a permanent position. Since 2002, she has worked as an equal opportunity and diversity management specialist and team leader. In this position, she assists in developing the agency's EEO and Diversity Management policy, planning and communication initiatives. She conducts studies on systemic employment problems, assesses the effect of policies and practices on equal employment, identifies employment barriers, recommends solutions and develops written guidance for management. Hasberry also coordinates the agency's Pathways Internship and Student Volunteer Programs. Hope has won a NWS Cline Award and a NOAA Administrator's Award.



Mrs. Shari Hales

Meteorologist in the Climate Service Branch of NOAA's National Weather Service

Shari Hales is a meteorologist in the Climate Service Branch of National Oceanic and Atmospheric Administration's (NOAA) National Weather Service (NWS). She earned a bachelor of science in meteorology from Jackson State University and a master of science in atmosphere science from Howard University in Washington, D.C. After participating in NOAA's Student Career Experience Program (SCEP) during graduate school, she joined the agency on a permanent basis in 2010. Hales' responsibilities include working directly with scientists and field staff to provide oversight and guidance for the NWS's Climate Services Program at the regional and local levels. She also serves as the co-lead of the NWS's Climate Outreach team, where she coordinates collaborative efforts and strategic development in order to strengthen and build partnerships with NOAA's internal and external partners.

PRESENTERS



Mrs. Aisha Haynes

Ph.D. Candidate and NOAA Graduate Sciences Program Scholar, Alexandria, VA

Aisha C. Reed Haynes, interest in the field, developed from fear and fascination with the weather. Growing up in rural Mississippi, she experienced a number of severe weather events, including tornadoes and straight-line winds. Hayes entered the meteorology program at Jackson State University to learn more about the phenomena. She has an inquisitive nature, so her career path was always directed toward research. During her matriculation, she learned that her interests were guided more by the social impacts of the weather (how weather affects people lives), and less about the various atmospheric processes that cause the weather. As a result, her path took a different turn.

Haynes graduated magna cum laude from JSU with a bachelor's degree in meteorology, and she received a master's degree in Atmospheric Science from Purdue University. After obtaining a master's degree, she became a Congressional Black Caucus Foundation Congressional Fellow, where she worked with U.S. Rep. Bennie G. Thompson (District 2) and the House Committee on Homeland Security, where she received firsthand experience about the legislative process. She covered several legislative issues during her time as a Congressional fellow, including emergency management and marginalized communities with a focus on Hurricane Katrina. Following that, Hayes interned at the Library of Congress's Congressional Research Services in the Resource, Science, and Industry division, where she researched hazardous weather events and related legislation.

During her time there, Hayes participated in the Weather and Society* Integrated Studies (WAS*IS) workshop at the University Corporation of Atmospheric Research (UCAR) in Boulder, Colo., which spurred her to seek a Ph.D. in a field that could integrate her weather studies with another field that has societal applications. Hayes is currently an Earth Systems and Geoinformation Sciences Ph.D. Candidate at George Mason University in Fairfax, Va. She is also the last National Oceanic and Atmospheric Administration (NOAA) Graduate Sciences Program Scholar and works at the National Weather Service (NWS) Headquarters in Silver Spring, Md. Her research is seeking to identify relationships between vulnerable populations and storm casualties, respectively, and coverage gaps in warning dissemination technologies.

Hayes is a native of Jackson, Miss., via Natchez, Miss. She received the International Baccalaureate Diploma from Jim Hill High School. She is an alumna of the JSU's Honors College and the UCAR Significant Opportunities for Atmospheric Research and Sciences (SOARS). She is a member of the American Meteorological Society, the National Weather Association, and Alpha Kappa Alpha Sorority, Inc. Aisha is married to Sidney, Jr., and has a daughter, Avery.



Mr. Mike Hill

Forecaster, New Orleans, LA

Born and raised in Tuscaloosa, Ala. Hill attended Mississippi State University and graduated in May 2009 with a bachelor's in geosciences (Professional Meteorology Track).

Hill worked in Jackson, Miss., at Weather Vision and also was a volunteer at the Jackson, Miss. office. Hill took my first National Weather Service (NWS) job at the weather service office in Caribou, Maine, from October 2009 - March 2012.

Hill started as a journeyman forecaster at the New Orleans office in March 2012 where he is currently employed. His favorite weather to forecast is Severe Convection and Winter Weather.



Mr. Richard Hill

Chief of the National Weather Service (NWS) Equal Opportunity and Diversity Management Division (EODMD) within the Office of the Chief of Staff (OCoS)

Richard “Pete” Hill serves as the chief of the National Weather Service (NWS) Equal Opportunity and Diversity Management Division (EODMD) within the Office of the Chief of Staff (OCoS). The Equal Employment Opportunity (EEO) Division staff advises and assists the NWS assistant administrator in carrying out responsibilities relative to executive orders, regulatory guidelines and other nondiscrimination laws within the Federal Government including EEO and/or affirmative action policy recommendations, objectives, and progress in meeting goals.

Hill has more than 20 years of EEO and Diversity Management experience in the Federal Government. Hill joined the NWS from the National Labor Relations Board (NLRB) where he served as a senior EEO specialist. He was their subject matter expert responsible for the research and analysis of the NLRB’s workforce data tables, and led efforts to successfully identify and overcome barriers for hiring and retaining underrepresented minorities and women. Moreover, Hill was also responsible for writing the State of the Agency’s EEO program report, and co-authored the NLRB’s Federal Equal Opportunity Recruitment Program (FEORP) report provided to the Office of Personnel Management (OPM). He is a recognized expert on EEO and Diversity Management policy, procedures, and practices. Hill brings a significant amount of passion and enthusiasm for this important responsibility.

Prior to his work with the NLRB, Hill served as an EEO specialist with the Transportation Security Administration (TSA) where he led their Informal Complaints Team and managed their Alternative Dispute Resolution (ADR) Program. He provided expert advice to senior-level officials related to discrimination complaints, ADR policy, and EEO philosophy. Hill also served as a U.S. Army diversity and inclusion supervisor for several hundred military and civilian employees. In this capacity, he coached, mentored, and provided career development guidance for a team of 30 subordinates.

His leadership abilities and strong work ethic have gained him several prestigious awards and recognition; two Bronze Star Medals while serving in Iraq, and an honor graduate from the Army’s Advanced Non-commissioned Officer Leadership Training.



Mrs. Deirdre Jones

Director, NWS Office of Facilities, Silver Spring, MD

Deirdre Reynolds Jones is the director of the Office of Facilities, which is one of six portfolio Offices in the National Oceanic and Atmospheric Administration’s National Weather Service (NWS). In this role, Jones provides oversight of leasing, construction, maintenance, repair and disposal for NWS’ portfolio real property in all 50 states and US territories, as well as NWS’ environmental compliance and employee safety programs.

Prior to this position, Jones led the Office of Operational Systems, where she directed life cycle support and maintenance for all aspects of NWS’ field infrastructure from observing systems, such as weather radar systems, buoy systems and other in situ weather sensors, to dissemination systems, such as the NOAA Weather Radio, and the Telecommunications Gateway, which distributes weather data to customers and partners from all sectors nationally and internationally.

Jones is a graduate of Rensselaer Polytechnic Institute (RPI) with a bachelor of science degree in electrical engineering. She also holds a master of science in systems management from the University of Southern California (USC). She enjoys community service through her church and Alpha Kappa Alpha Sorority Inc. Jones resides in Silver Spring, Maryland with her spouse of 26 years, Bobby Jones.

PRESENTERS



Georgette S. Holmes

Branch Chief of Geospatial Analysis with the Office of Cyber and Infrastructure Analysis (OCIA) within the Department of Homeland Security (DHS)/ National Protection and Program Directorate (NPPD)

Georgette Holmes is the Branch Chief of Geospatial Analysis with the Office of Cyber and Infrastructure Analysis (OCIA) within the Department of Homeland Security (DHS)/ National Protection and Program Directorate (NPPD). In this role, Holmes is responsible for overseeing NPPD/OCIA Enterprise Geographic Information System (GIS), which provides state-of-the-art geospatial visualization and analytic support to the NPPD subcomponents and external stakeholders.

Prior to joining NPPD/OCIA, Holmes was the GIS Supervisor for DHS/National Operations Center (NOC). She was responsible for overseeing a team of Geospatial Analysts (GA), providing subject matter expertise in imagery and data requirements, geospatial production and geospatial data visualization to DHS Leadership including Federal Emergency Management Agency (FEMA), U.S. Coast Guard (USCG), Custom and Border Protection (CBP), Health and Human Services (HHS) and external stakeholders Department of Energy (DOE), National Oceanic and Atmospheric Administration (NOAA), U.S. Forest Service (UFS), and other Federal, State, and Local officials. Holmes' geospatial products and visualization tools has been briefed to DHS Secretary Jeh Johnson and the White House.

In 2008, Holmes was a physical scientist with the National Ice Center (NIC), a multi-agency operational center operated by the United States Navy, the NOAA, and the United States Coast Guard. She served as a lead analyst and training officer responsible for training and mentoring junior to senior analysts on meteorological and hydrographical data, analysis, and tools through the use of GIS.

In 2009, Holmes was deployed for 2 ½ months onboard the U.S. Coast Guard Cutter (USCGC) Healy during a joint Extended Continental Shelf Survey expedition along with the Canadian Coast Guard Ship (CCGS) Louis S. St-Laurent. She was responsible for providing geospatial/imagery support, and direct observation to measure the extent and characteristics of sea ice and to provide navigational guidance to the scientists and Healy crew.

Georgette Holmes was born and raised in Belzoni, Miss. She earned a bachelors of science in meteorology from Jackson State University. She also obtained a masters of science in earth systems science from George Mason University. Currently, she is completing a doctorate in earth Systems and Geoinformation Systems (ESGS) at George Mason University.



Mr. Christopher Lockett

Meteorologist, NWS Weather Forecast Office, Albuquerque, N. Mex

Christopher M. Lockett graduated from the Jackson State University meteorology program in May 2009. It was during his tenure at JSU where he developed research, analytical and leadership skills working in the weather lab, researching with professors and being involved in several organizations and honor societies.

Lockett has interned at several National Oceanic and Atmospheric Administration (NOAA)/National Weather Service (NWS) facilities such as the WFO in Memphis, Tenn., The National Hurricane Center in Miami, Fla. and NOAA Headquarters in Silver Spring, Md. Lockett also became a student volunteer working in radio and television for WJSU and TV23.

After graduating from JSU, Lockett attended Mississippi State University where, in May 2010, he was awarded an NWS Student Career Experience Program (SCEP) position at the Weather Forecast Offices (WFO) in Memphis. In December 2011, Lockett graduated from Mississippi State University and was awarded an Intern Position at the WFO in Albuquerque, N.Mex., where he resides.



Mr. John Moore

Meteorologist, NWS Weather Forecast Office, Memphis, TN

John P. Moore III, a 2013 cum laude graduate of Jackson State University is a meteorologist with the National Weather Service (NWS) in Memphis, Tenn. After only two years of employment with NWS Memphis, Moore has received numerous awards and recognition within the organization, including the 2014 Isaac Cline Award for Leadership.

Moore has played an integral role in the modernization of several key operations at the Memphis office. He is also a member of many local and national teams, including being the local social media team lead and a member of the national NWS SAVI Team.

Before joining the NWS full-time, he interned with them through the NWS's SCEP Program from May, 2012 until graduation in 2013. Before then he was an intern/student worker for NOAA/CAS. While at JSU, Moore was a four-year letterman on the Tiger's Football Team.



Mr. Bill Parker

Warning Coordination Meteorologist (WCM), NWS Weather Forecast Office, Shreveport, LA

Bill Parker is a native of New Orleans, La., where he attended John F. Kennedy High School for Math, Science, and Engineering. He furthered his education at Jackson State University, where he received his B.S. degree in meteorology in 1994. Parker was introduced to operational weather as a student meteorologist in 1993 at the National Weather Service (NWS) in New Orleans. Upon graduation, he moved to Shreveport, La., to begin his NWS career as a meteorologist intern. His career has remained in Shreveport, for 20 years, as he became a journeyman forecaster in 1998, a lead forecaster in 2008, and promoted to the warning coordination meteorologist in 2012. Nationally, out of 122 warning coordination Meteorologist positions, he is the only African-American serving in this capacity.

In the local Shreveport/Bossier community, he has volunteered and served in various capacities with many civic organizations, including the Shreveport-Bossier Mayors' Prayer Breakfast Executive Committee, La Cima Bilingual Leadership Academy, Bossier Chamber of Commerce Education Committee, Volunteers for Youth Justice, and as a coach with Bossier Parks and Recreation. Outside of the National Weather Service, he serves as an associate minister at Elizabeth Baptist Church in Benton, La. Parker began his ministry at Elizabeth Baptist Church in May, 1997.

Parker truly embraces and cultivates diversity by providing opportunities, education and mentoring to others. He has been very instrumental in recruiting and employing several African American meteorologists with various NWS offices throughout the U.S. He has recruited to their local forecast office and mentored several students of various under-represented minorities for summer intern positions. Parker is very passionate about serving the community and assisting future leaders.

Although he is very active in the community, Parker is husband and father, married to Melanie Quincy Parker, also of New Orleans, La., in May, 1996. They are both dedicated members of Elizabeth Baptist Church and they have three sons: Trey, Daniel, and Nathaniel (Nate); and a daughter, Merani.

PRESENTERS



Dr. Vernon Morris

Professor in the Department of Chemistry with joint appointments in Atmospheric Sciences and Environmental Engineering Graduate Programs at Howard University

Dr. Vernon Morris is a full professor in the Department of Chemistry with joint appointments in Atmospheric Sciences and Environmental Engineering Graduate Programs at Howard University. He serves as the director of the Atmospheric Sciences Program. Since coming to Howard University, Morris has been responsible for raising over \$60M in combined research funding from federal sources (including the prestigious CAREER award from the National Science Foundation). He has coordinated the establishment of memoranda of understanding with nine academic institutions in six different countries, and founded the graduate program in Atmospheric Sciences (the first of its kind at an HBCU). Morris has published over 60 papers and has delivered more than 100 invited talks and national/international conference presentations.

Morris' research activities include laboratory studies of aerosol chemistry and microphysics, field measurements of aerosols and trace gases in the lower atmosphere, biometeorology, theoretical studies of reactive and reservoir species in atmospheric and interstellar chemistry, and environmental chemistry. He has conducted terrestrial-based, aircraft, and maritime experiments in eight countries focused on aerosol transport and chemical evolution. Morris has led ten integrated atmospheric and oceanographic international scientific missions (<http://ncas.howard.edu/research-programs/aerose/>) aboard National Oceanic and Atmospheric Administration's (NOAA) flagship research vessel, the Ronald H. Brown. This research has led to new operational products within NOAA and new insights on the role of mineral dust in tropical precipitation and long-range microbial transport. The research themes that guide his current projects are (i) the impact of aerosols on global atmospheric chemistry and climate, (ii) the relationships between aerosol chemistry and aerobiology – especially as they influence environmental health, (iii) the fundamental roles of particulate in extraterrestrial atmospheres, and (iv) the interplay between weather phenomena (e.g. dust storms, lightning, and precipitation) and atmospheric chemistry, i.e. “chemical meteorology”.

Morris has been the director of the NOAA Center for Atmospheric Sciences (NCAS) since its inception in 2001 and has developed this center into the largest and most multidisciplinary research and training program on the campus. NCAS research integrates disciplines such as journalism, psychology, and sociology into applied STEM research (e.g. marine sciences, climate change, and atmospheric chemistry) to address 21st century challenges for science, technology and society with respect to climate, precipitation, air quality, and human impacts.

Morris is passionate about broadening the participation of underrepresented groups in STEM. He has guided the research for more than 130 students at the graduate, undergraduate, and high school levels. Over one third have gone on to obtain advanced degrees in science or medicine. In addition to research and teaching, Morris has initiated several successful outreach programs and informal science education/exposure projects including a national network of high school weather camps and the Community Science Fest program.

Morris received his bachelors degrees as a double major in chemistry and mathematics with a minor in physics from Morehouse College. He earned his doctorate in earth and atmospheric sciences from the Georgia Institute of Technology and completed postdoctoral fellowships at Lawrence Livermore National Laboratory and as a University of California Presidential Postdoctoral at UC-Davis. Morris has received several recognitions most recently being selected as a Fulbright Specialist in 2014 and a Fellow of the American Meteorological Society in 2015. He is the proud father of three beautiful daughters, and uncle to four nephews and three nieces. Morris is an avid soccer fan, outdoor enthusiast, and enjoys international travel and exploring new cultures.



Dr. J. Marshall Shepherd

Director of the University of Georgia's (UGA) Atmospheric Sciences Program and full professor in the Department of Geography

Dr. J. Marshall Shepherd is a leading international expert in weather and climate. Shepherd was the 2013 president of American Meteorological Society (AMS), the nation's largest and oldest professional/science society in the atmospheric and related sciences. He is director of the University of Georgia's (UGA) Atmospheric Sciences Program and full professor in the Department of Geography. Shepherd is the Georgia Athletic Association distinguished professor of Geography and Atmospheric Sciences. He is also the host of The Weather Channel's "Weather Geeks", a pioneering Sunday talk show on national television dedicated to science, and contributor to Forbes Magazine. In 2014, Ted Turner and his Captain Planet Foundation honored Shepherd with its Protector of the Earth Award. Prior recipients include Erin Brockovich and former EPA Administrator Lisa Jackson. He is also the 2015 Recipient of the Association of American Geographers (AAG) Media Achievement award, the Florida State University Grads Made Good Award and the UGA Franklin College of Arts and Sciences Sandy Beaver Award for Excellence in Teaching. In 2015, Shepherd was invited to moderate the White House Champions for Change event.

Prior to UGA, Shepherd spent 12 years as a research meteorologist at NASA-Goddard Space Flight Center and was deputy project scientist for the Global Precipitation Measurement (GPM) mission, a multi-national space mission that launched in 2014. President George W. Bush honored him on May 4, 2004, at the White House with the Presidential Early Career Award for pioneering scientific research in weather and climate science. He is a fellow of the AMS and, in 2014, he was asked to join the Board for Climate Central, a leading science and media non-profit organization. In 2014, Shepherd was invited to join the Partnership Council for Mothers and Others for Clean Air. Two national magazines, the AMS, and Florida State University have also recognized Shepherd for his significant contributions.

Shepherd is frequently sought as an expert on weather, climate, and remote sensing. He routinely appears on CBS' "Face The Nation", NOVA, "The Today Show", CNN, Fox News, The Weather Channel and several others. His TedX Atlanta Talk on "Slaying Climate Zombies" is highly regarded and cited. Shepherd is also frequently asked to advise key leaders at NASA, the White House, Congress, Department of Defense, and officials from foreign countries. In February 2013, Shepherd briefed the U.S. Senate on climate change and extreme weather. He has also written several editorials for CNN, Washington Post, Atlanta Journal Constitution, and numerous other outlets and has been featured in Time Magazine, Popular Mechanics, and NPR Science Friday. He has more than 90 peer-reviewed scholarly publications. NASA, National Science Foundation, Department of Energy, Defense Threat Reduction Agency, and U.S. Forest Service have funded his scholarly research. Shepherd was also instrumental in leading the effort for UGA to become the 78th member of the University Corporation for Atmospheric Research (UCAR), a significant milestone for UGA.

He serves on the Board of Trustees for the Nature Conservancy (Georgia Chapter), Earth Science Subcommittee of the NASA Advisory Council, and the NASA Goddard Space Flight Center Visiting Committee. He was a member of the National Oceanic and Atmospheric Administration (NOAA) Science Advisory Board; Atlanta Mayor Kasim Reed's Hazard Preparedness Advisory Group United Nations World Meteorological Organization steering committee on aerosols and precipitation, and 2007 Inter-governmental Panel on Climate Change (IPCC) AR4 contributing author team. As well, he served on National Academies of Sciences (NAS) panels on climate and national security, extreme weather attribution, and urban meteorology. Shepherd is a past editor for the Journal of Applied Meteorology and Climatology and Geography Compass, respectively.

Shepherd received his B.S., M.S. and Ph.D. in physical meteorology from Florida State University. He was the first African-American to receive a Ph.D. from the Florida State University Department of Meteorology, one of the nation's oldest and respected. He is also the 2nd African-American to preside over the AMS. He is a member of the AMS; Association of American Geographers (AAG); Sigma Xi Research Honorary; Chi Epsilon Pi Meteorology Honorary; and Omicron Delta Kappa National Honorary. He is also a member of the Alpha Phi Alpha Fraternity Inc. and serves on various National Boards associated with his alma mater. Shepherd co-authored a children's book on weather and weather instruments called Dr. Fred's Weather Watch. He is originally from Canton, Georgia, and is married to Ayana Shepherd and has two children, Anderson and Arissa.

PRESENTERS



Dr. Jamese D. Sims

Meteorologist, NWS Analyze, Forecast, and Support Office, Silver Spring, MD

Dr. Jamese Sims is a meteorologist in the National Weather Service (NWS) Analyze, Forecast, and Support Office/Analysis and Mission Division/Decision and Integration Branch. Sims duties include serving as the project manager for NWS's partnership with the Nuclear Regulatory Commission to provide decision support services and a case study on Hurricane Andrew to assist NRC with risk management and emergency planning for tropical cyclones. She also serves as the National Oceanic and Atmospheric Administration (NOAA) One Health Team Air Quality Subgroup Lead, and she provides support to the NWS Technical Monitors for the NOAA Center of Atmospheric Sciences (NCAS).

Sims completed her Ph.D. in atmospheric sciences at Howard University in Washington, D.C., in December 2009. Her dissertation, titled "The Relationship between Air-Sea Interactions and Tropical Cyclone Intensity," investigated the impact of air-sea interactions on the forecasting of tropical cyclone activity in the Atlantic Ocean.

Sims received a bachelor's of science in meteorology from Jackson State University (JSU) in 2004. During her matriculation at JSU, she was awarded an internship with the National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP) Undergraduate Scholarship Program (USP) that began in the summer of 2003. In the first year of the program, Sims modified a generic algorithm to forecast the location of the Gulf Stream while working at the NCEP Environmental Modeling Center (EMC) Marine Modeling and Analysis Branch (MMAB). During the second summer of the NOAA EPP USP, she was an intern at the NOAA Atlantic Oceanographic and Meteorological Laboratory (AOML) Hurricane Research Division (HRD) in Miami, Fla., where she performed the re-analysis of the 1926 Atlantic hurricane season.

Sims was accepted to the Howard University program in atmospheric sciences - becoming one of five students accepted into the NOAA EPP Graduate Sciences Program (GSP) and gaining employment with NWS in 2004. As a research meteorologist, she served as an atmospheric modeler on projects utilizing HWRF to improve tropical cyclone forecasting; assisted with marine data base activities; and managed EMC model implementation coordination.

Sims has a passion for science education. She has served as the external dissertation committee member for three Ph.D. candidates and is an affiliate faculty member at George Mason University. She organizes and plans annual technical monitor visits to the NCAS partnering institutions and has mentored several undergraduate students.

Sims is a native of Meridian, Miss.; a member of Alfred Street Baptist Church, Alexandria, Va.; a member of Delta Sigma Theta Sorority, Inc.

She is the daughter of Mr. and Mrs. James (Georgia) Sims, Jr.; the sister of Eris Sims; and the proud mother of 2-year-old son, Jordan McGlone.



Ken South

Weekend meteorologist, WJTV News Channel 12, Jackson MS

Ken South is a native of the Magnolia State—born in Houston, Miss. and raised in Natchez. Ken earned his bachelor degree in meteorology from Jackson State University, while also assisting in research at the Stennis Space Center. South's experience also includes time at the National Weather Service, where his main responsibilities included recording forecasts for National Oceanic and Atmospheric Administration (NOAA) Weather Radio, assisting in radiosonde observations, and helping create river stage forecasts.

South began his broadcasting career in the fall of 1990 at WXVT in Greenville, Miss. as weekday reporter and weekend meteorologist—eventually rising to serve as Chief Meteorologist. After a year at WVTM in Columbus, Ga., South returned to Mississippi as the weekend meteorologist for WJTV News Channel 12. He joined the News Channel 12 morning team in January 2001. South was awarded Best Weathercast in Mississippi by the Associated Press in both 2001 and 2010.

He currently lives in Fondren, Miss. and loves gardening and canning (he even has a garden at the station). He also plays tennis and volunteers with Animal Rescue Fund (ARF) of MS. He has one rescue dog from ARF, one from Community Animal Rescue and Adoption, one adopted stray and a senior cat. South is also a member of the board of The Center Players Community Theatre in Madison, Miss. and was involved in raising money and awareness for MS HeARTS Against AIDS from 2002 to 2011.



Mr. Albert “Benjie” Spencer

Chief Engineer, Director, Engineering Standards Branch, Silver Spring, MD

Selected to the Senior Executive Service in May 2011, Mr. Albert “Benjie” Spencer serves as the Chief Engineer, and Director of Engineering Standards Branch, for the National Oceanic and Atmospheric Administration (NOAA), National Weather Service (NWS) within the Office of Planning and Programming for Service Delivery. Spencer is responsible for implementing policy, providing end-to-end system engineering oversight, assessing risks, and insuring consistent engineering processes and standards are applied throughout the organization.

Spencer has over 35 years of civil service with NOAA, having served in various engineering and acquisition positions, including for some of their critical systems such as NEXRAD (Next Generation Weather RADAR), AWIPS (Advanced Weather Interactive Processing System) and NPOESS (National Polar-orbiting Operational Environmental Satellite System). Systems are critical to providing timely climate and weather information to the public. Spencer was also highlighted in the Spring 2015 issue of the magazine, *Minority Engineer*, sharing his story in helping NWS to build a weather-ready nation, and challenge minorities interest in science and engineering careers at NOAA. Spencer is the recipient of The U.S. Department of Commerce Gold and Silver Medals, the highest two honor awards that can be granted by the Secretary of Commerce.

Spencer is a native of Washington, D.C., raised in Portsmouth, Va., and obtained his bachelor of science in electrical engineering degree from Howard University in Washington, D.C. He is married to his wife of 32 years, Margo Jackson Spencer, and is a father of four children and four grandchildren. He enjoys sports, singing, genealogy, and playing golf.

PRESENTERS



Mr. David Tillman

Meteorologist, KTRK-TV, Houston, TX

David Tillman came to Houston's KTRK-TV, ABC-13 in late 2000 from WMC-TV in Memphis, Tenn. He worked there as that station's meteorologist and received an Emmy for his coverage of a snowstorm that hit that city.

Tillman is a member of the American Meteorological Society (AMS) and of the National Weather Association. In 1998, he received his seals of approval from both organizations. He also served three years on the prestigious AMS Broadcast Board of Directors. While on the board he and the other board members launched the AMS Certified Broadcast Meteorology Seal of Approval (CBM).

After graduating from Jackson State University with a bachelor of science degree in meteorology, Tillman began his broadcast career. He was the weekend meteorologist at WAPT-TV in Jackson. A year later, he worked for the National Weather Network during the weekends and produced weather segments for 35 television stations and 45 radio stations across the United States.

Born in St. Louis, Mo., David and his wife Patricia have three children; David, Brianna and Sydney.



Ms. Kar'retta Venable

Ph.D. Candidate and graduate research assistant in the Howard University Program for Atmospheric Sciences (HUPAS)

Kar'retta Venable is a fifth-year Ph.D. candidate and a graduate research assistant in the Howard University Program for Atmospheric Sciences (HUPAS) advised by Dr. Vernon Morris. She is a research fellow supported by the National Oceanic and Atmospheric Administration (NOAA) Center for Atmospheric Science (NCAS) and the National Science Foundation Integrative Graduate Education and Research Traineeship (IGERT) with Johns Hopkins University's Department of Geography and Environmental Engineering. Her research interests include water quality and sustainability, inland flood management and aerosol impacts on precipitation and cloud formation. This enthusiastic interdisciplinary environmental scientist holds a bachelor's in geology and a master's in environmental science from Columbus State University. Her current research involves aerosol-cloud-precipitation interactions, extreme precipitation events, water quality and sustainability, the hydrologic cycle and flow regimes, geo-spatial analysis and environmental atmospheric interactions. Additionally, Venable has been responsible for coordinating the Annual Colour of Weather Networking Reception at the American Meteorological Society Annual Meeting for the past 3 years.



Mr. Freddie Zeigler

Senior Forecaster, NWS Weather Forecast Office, New Orleans/Baton Rouge

Freddie Zeigler is a senior forecaster at National Oceanic and Atmospheric Administration's (NOAA) National Weather Service (NWS) New Orleans/Baton Rouge, La. Zeigler received his bachelor of science degree in meteorology from Jackson State University (1994).

Zeigler began his career with NOAA in 1991 as a meteorological technician aid, working at the National Weather Service (NWS) offices in Tallahassee, Fla. in 1991 and later Jackson, Miss. from 1992 to 1994. After graduation, he joined the NWS as a career meteorologist at the National Weather Service Office in Tupelo, Miss. in 1994. During NWS Modernization and Associated Restructuring, Zeigler was transferred to the NWS Amarillo, Tex., and remained a meteorologist from 1995 to 1998. Zeigler was promoted to forecaster at the NWS New Orleans/Baton Rouge in 1998 and was promoted to senior forecaster in 2002.

Zeigler has been an integral part of the NWS New Orleans/Baton Rouge Forecast Office and the Weather-Ready Nation pilot program, playing an important role in elevating the pilot project as a whole. He has collaborated with Orleans Parish Office of Homeland Security and Emergency Preparedness to establish suitable temperature thresholds for activation of their freeze plan for the city's 10,000 unsheltered citizens.

Zeigler participated in full deployment of Decision Support Services for Hurricane Isaac. While deployed at New Orleans Emergency Operations Center, he briefed New Orleans Mayor Mitch Landrieu, U.S. Sen. David Vitter and other officials concerning the effects of Hurricane Isaac on New Orleans. In addition, he participated in a full deployment during Super Bowl XLVII and the 2015 French Quarter Festival.

During his career, Zeigler has worked seven hurricanes (4 major hurricanes) and nine tropical storms. In addition, he has served in every capacity ranging from decision support and digital services to radar and communications (interviews with local and national media, NWS Chat and social media). Reared in South Florida, Zeigler and his wife, Tonya, have two children: Asa and Rhys.

Notable Alumni



Mrs. Brittany Hankins-Amos

Mathematics Teacher, Clinton Public School District, Clinton, MS

Brittany Nicole Hankins-Amos is a native of Byhalia, Miss. She received a bachelors of science in meteorology in 2011 and a masters in science teaching in science education in 2014, both from Jackson State University.

She is a second year doctoral student of philosophy in educational administration and supervision in K-12 Education at JSU.

Hankins-Amos lives in Byram, Miss, with her husband, Corey, and their two children, Skyler and Corey. She is a fifth-year mathematics teacher for the Clinton Public School District.



Mr. John L. Hurley

Operational Meteorologist, Scientific Research Corporation, SPAWAR Office of Polar Programs (SOPP), North Charleston, S.C.

John L. Hurley is an operational meteorologist with Scientific Research Corporation supporting SPAWAR Office of Polar Programs (SOPP) in North Charleston, S.C. He supports the United States Antarctica Program (USAP) by providing aviation weather forecasts for various locations throughout Antarctica, three to five day weather outlooks, research vessels weather forecasts, issuing weather condition changes to protect life and property from harsh weather conditions, and basic operational forecasting research. Hurley has served one operating season (August 2014 - February 2015) in Antarctica and is scheduled to return to Antarctica in February 2016.

Hurley is a 10-year veteran of the U.S. Air Force. During his time in the military, he served as a weather officer in charge of supporting and protecting billion-dollar resources. This experience led Hurley to forecast weather for different parts of the world such as Japan, Germany, Romania, Uzbekistan, Iraq and Turkey. Additionally, he has forecasted for tropical and severe weather systems, prepared weather bulletins, presented weather briefings, and briefed weather to senior level officers on weather impacts to military operations. Hurley achieved the rank of captain in the Air Force. During his service, he has received the following medals: Air Force Commendation Medal, Air Force Achievement Medal with one oak leaf cluster, AF Outstanding Unit Award with Valor Device with three oak leaf cluster, National Defense Service Medal, Global War on Terrorism Expeditionary Medal, and Global War on Terrorism Service Medal.

He holds a bachelor's in meteorology from Jackson State University, graduating in May 2000. Hurley was born in Jackson, Miss., to Dr. John F. Hurley and Emma Jackson Hurley.

NOTABLE ALUMNI



Ms. Imani Morris

Earth Science/Physics Teacher, Tri-Cities High School, East Point, GA

Imani Morris is a third-year earth science/ physics teacher at Tri-Cities High School in East Point, Ga. She received her bachelor of science degree from Jackson State University and her master of science degree in physical geography from Georgia State University in 2011.

During her collegiate career, she participated in numerous atmospheric science research opportunities including the Significant Opportunities for Atmospheric Research and Science (SOARS) program, where she conducted research on the atmospheric chemistry of megacities and the precipitation regime of Mali, West Africa, at the National Center for Atmospheric Research (NCAR) lab in Boulder, Colo.. Her collaborative research, titled, “Upper-level Atmospheric Circulation Patterns and Ground-level Ozone in the Atlanta Metropolitan Area” has been published in the American Meteorological Society (AMS) Journal of Applied Meteorology and Climatology. She also served as the graduate representative for the AMS Board of Woman and Minorities for three years.

Imani’s desire to help educate today’s youth stems from a number of her life experiences and observations. She received her primary and secondary education in her hometown of New Orleans, La., a place that is known for high poverty, crime, and school drop-out rates. She observed firsthand the extreme underrepresentation of minorities who pursue careers in STEM fields. To increase the minority participation in STEM fields she believes in engaging these topics early in education.



Mr. Jaynal Perez

Medical Researcher, UT Southwestern Medical Center, Dallas, TX

Jaynal Perez graduated from Jackson State University in 1996. He went back to school for a second bachelors degree at JSU in computer science and worked in Jackson with SyTel for 10 years.

Perez continued his education at JSU, to receiving a masters degree in telecom engineering in 2007. He worked for a Gulf Coast research lab in Ocean Spring, Miss. who was often grant funded by National Oceanic and Atmospheric Administration.

He is employed by UT Southwestern Medical Center in Dallas. His work is research focused in lung cancer and provides IT support. He is very excited to be in Jackson where, where his children were born and where he has lived for 23 years.



Ms. Destiny Rainney

Science Teacher and Master of Education Student, Richmond, VA

Destiny Rainney was born and raised in Richmond, Va. She is the mother of two energetic boys, and a lover of science. As a young child, she was always curious and wanted to know the “why” behind everything. This desire to explore and learn about how the world works led to her love for science.

Rainney can recall her favorite childhood book being “Cloudy with a Chance of Meatballs.” Throughout school her favorite subject was science. She decided to pursue higher education in the sciences as well, majoring in physics while at Virginia State University and then transferring to Jackson State University where she obtained her bachelors of science in meteorology in December 2007. Following graduation from JSU, science was still her passion. Her ultimate goal was to educate children about the weather in fun, hands-on engaging ways. Therefore, she decided to pursue a master’s degree in science education from Oregon State University.

Her degree focused on informal learning, providing her the opportunity to intern at the Science Museum of Virginia. After completing her master’s degree, she ventured in to corporate America but her desire to teach science never waned.

In May 2015, Rainney was accepted into the Richmond Teacher Residency Program and is working on her master’s in education in exceptional education. This degree will afford her the opportunity to be licensed to teach grades K-12. During the 2015-2016 school year, she will student-teach math and science at Binford Middle School in Richmond, Va. Once she completes her degree in May 2016, she hopes to obtain a full-time position as a middle school science teacher.



Dr. Andrea Sealy

Meteorologist, Caribbean Institute for Meteorology and Hydrology, Barbados

Dr. Andrea Sealy is a native of the Caribbean island of Barbados. She attended Harrison College (High School) in, Bridgetown, Barbados, where she represented the school in track and field. Afterwards, she enrolled at Jackson State University on a track scholarship earning a bachelor of science in meteorology (magna cum laude). During her time at JSU, Sealy was a W.E.B. Du Bois Honors College student and Office of Naval Research Fellow; member of the track and field team, Caribbean club, meteorology club, Gamma Rho Chapter of Alpha Kappa Alpha Sorority Inc.

She was awarded Student Athlete of the Year, made the President’s List, Dean’s List, National Dean’s List, Who’s Who Among Students in American Universities and Colleges, All American Scholar, National Collegiate Natural Science Award; and was also inducted to the Alpha Chi, Phi Kappa Phi, Alpha Kappa Mu and Alpha Lambda Delta National Honor Societies.

In pursuing her graduate studies, she earned a master of science in meteorology from Pennsylvania State University where she was inducted into the Chi Epsilon Pi Meteorology Honor Society. She earned a doctorate of philosophy in atmospheric sciences from Howard University. After obtaining her Ph.D., Sealy worked in the Climate and Global Dynamics Division of the National Center for Atmospheric Research on an Advanced Study Program (NCAR/ASP) Postdoctoral Fellowship.

Sealy is a meteorologist at the Caribbean Institute for Meteorology and Hydrology and a lecturer in meteorology at the University of the West Indies Cave Hill Campus. Her main research interests are Saharan dust, aerosols, air quality and health. She is also a peer reviewer for various journals and is very active in education and outreach in Barbados and regionally. Sealy is the president of the Barbados Chapter of the Caribbean Academy of Sciences, a member of the American Meteorological Society and the American Geophysical Union.

JSU METEOROLOGY ALUMNI

1980 | Brown Patricia

1981 | McGee Kelvin

1982 | Freytez Rafael

1982 | Jefferson Steve

1984 | Demoulin Joseph

1986 | Brown Vivian

1987 | Woods Cindy Polk

1990 | Smith David "Tommie"

1992 | Amadeo Emma Yolanda

1993 | Booker Clydine

1993 | South Kenneth

1993 | Tillman David

1993 | Williams Paul

1994 | Davis Margaret Nicole

1994 | Parker William

1994 | Zeigler Freddie

1996 | Heard Preston

1996 | Howard Traci

1996 | Kees Tamara

1996 | Parvez Jaynal

1996 | Smith Charlotte

1996 | Smith Vaughn

1997 | Blair Cedric

1997 | Mattson Al

1997 | Moore Tomeica Faucette

1998 | Cannon Eboini

1998 | Hall Tiffany Temple

1998 | Maxie Latrice

1998 | McCants Alana

1998 | Miller Mahalia Wright

1998 | Miller Robin

1999 | Fagan Taivaya A.

1999 | Sealy Andrea M.

1999 | Watts Monesa

2000 | Bridges Robin Bridges-Johnson
2000 | Guyton Ronnie
2000 | Hurley John
2000 | Mahecha Rafael
2000 | Webb Michelle
2002 | Dixon Sontyna
2002 | Greene Kantave
2002 | Reed Aisha Haynes
2003 | Farver Michelle Hicks
2004 | Brown Laurita
2004 | Coleman Kimberly Tingle
2004 | Robinson-Cook Ashton
2004 | Sims Jamese
2004 | Stewart Shundra
2006 | Hayes Ashley Patterson
2006 | Holmes Georgette S.
2006 | Ivey Saavedra
2007 | Dixon Shari Hales
2007 | Gavin Douglas
2007 | Hair Kenneth
2007 | Rainey Destiny
2008 | Benjamin Markeitta
2008 | Jones Marque
2008 | Jones Quincy
2008 | Morris Imani
2008 | Newton Darnell

2009 | Luckett Christopher
2009 | Webb Bennett
2009 | West Jamal
2010 | Blakes Henry
2010 | Dexter Adella
2010 | Pete Patrick
2010 | Stewart Phillip
2010 | Taylor Stephany
2011 | Claiborne Jarrett
2011 | Hankins Brittany Amos
2011 | Kirkpatrick Breawna
2012 | Canales Daniel
2012 | Carroll Dereka
2012 | Natarajan Harene
2013 | Dorsey Kia
2013 | Foxworth Jessica
2013 | Hereford Marcus
2013 | Moore III John
2014 | Fullilove Chelsea
2014 | Johnson Caleb
2014 | Reynolds DeVondria
2014 | Wilson Christopher
2015 | Hailey Brittany
2015 | Parks William
2015 | Thompson Terryn



PHYSICS DEPARTMENT FACULTY

Mehri Fadavi, Ph.D., Chair

Peter Chang, Ph.D.

Carl T. Drake, Ph.D.

Serguei Goupalov, Ph.D.

Kantave Greene, Ph.D., Instructor of Meteorology

Ezat Heydari, Ph.D.

Rezwanul Karim, Ph.D.

Abu O. A. Khan, Ph.D.

Duanjun Lu, Ph.D.

Remata S. Reddy, Ph.D.

Tigran V. Shahbazyan, Ph.D.

Vijaya Shankar, Instructor of Physics

Jian-Ge Zhou, Ph.D.







JSU CELEBRATES THE
40th Anniversary
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