### Lecture Series Details

8 a.m.-9 a.m.: The Graduate School, Fort IRC, Room 107: The Ford Motor Scientific Visualization Laboratory, Moderator: Dr. William Craft
- **Leadership Studies - 8 a.m. - 8:15 a.m., Introduced by Dr. Alexander Erwin, Director of Leadership Studies**
  Presenter: Paul Baker, Doctoral Candidate in Leadership Studies Program, *Philanthropist or Profiteers: Applying Douglas McGregor’s Theory X&Y to African American Slaveholders.* Abstract: This study was conducted to uncover the intention of the African American slaveholding population by applying Douglas McGregor’s Leadership Theory X and Y. The research is designed to determine whether African Americans purchased family members and friends to free them from the atrocities of slavery or procured forced labor for personal profit and financial wealth. Previous scholarly research, quantitative studies and archival material will be utilized to investigate the theory application to this case study group.

- **Energy and Environmental - 8:15 a.m.- 8:30 a.m., Introduced by Dr. Keith Schimmel, Director of Energy & Environmental Studies**
  Presenter: Dr. Yuh-Lang Lin, NOAA ISETCSC Senior Scientist, Professor of Physics, Energy & Environmental Studies, *Recent Advances and Future Challenges in Hurricane Prediction.* Abstract: Recent advances in hurricane prediction, both empirical and numerical (computational) advances, will be briefly reviewed. The challenges of hurricane prediction and their societal impacts will be discussed. NC A&T NOAA-ISET Center’s role in this effort will be outlined.

- **Computational Science and Engineering - 8:30 a.m.- 8:45 a.m., Introduced by Dr. Ajit D. Kelkar, Director of Computational Science & Engineering**
  Presenter: Dr. Ken Flurchick, *Advances in Visualization using AVS.* Abstract: Enormous amounts of data are generated in modern modeling software tools. This includes fluid motion, planetary motion, geographic features, and Cartesian variables that change over time. Millions of floating point numbers make it difficult to interpret such complex data, and modern visualization techniques make it possible to understand and interpret these data. The lecture will include a discussion of post-processing and visualization techniques and tools, with examples, that demonstrate the powerful techniques that we in North Carolina utilize to study important phenomena in science and engineering modeling.

9 a.m.-10 a.m.: School of Agriculture, Coltrane Hall, Multipurpose Room, Moderator: Dr. Jianmei Yu

10 a.m.-11 a.m.: School of Education, Hodgin Hall, Auditorium, Moderator: Dr. Leon Sturdivant, Adjunct Professor, School of Education, Department of Curriculum and Instruction
- Presenters: Students will present an educational perspective chronology for African Americans in this country to the present. The program will include freshmen and sophomore students presenting information that focuses on education, the United States Constitution and major Supreme Court decisions as well as famous Black Americans who paved the way toward racial justice and equality. The program will end with a panel discussion about current educational issues and solutions that address the need for educational reform to improve education within the Black community and other issues related to the current state of education in Black America presented in Tavis Smiley’s *The Covenant.*

11 a.m.-12 p.m.: School of Technology, Smith Hall, Room 2014, Moderator: Dr. Elinor Blackwell
- Colloquium on Technology/Graphic Communication Systems will have three 5-minute presentations by students who won the Student Scholarship Competition sponsored by the American Society of Quality: Fatima Johnson (*Methods of Resource Conservation as it Relates to Ink,* Christopher Gerald (*Sustainable Packaging as it Relates to Resource Conservation,* and Jason Troxler (*Methods of Resource Conservation in Screen Printing,*
- Electronics, Computer and Information Technology will be represented by Dr. Claude Hargrove on *A Method to Improve Course Instruction by Utilizing Teleconferencing Techniques*
- Manufacturing Systems will be represented by two students, Brian Bynum and Quentin Brown, who will conduct a joint presentation on *Global Resource Conservation as it Relates to Biodiesel Fuel.* Both students received the American Society of Quality Award/Construction Management.
- Dr. Joong Cho will speak on *Injury, Illness and Accident Trend Analysis for the NCDOT*
12 p.m.-1 p.m.: College of Arts and Sciences, GCB, A218 Auditorium, Moderator: Dr. Jothi V. Kumar, Board of Governors Award for Excellence in Teaching Recipient (2008)
• Presenters: Dr. Anjail R. Ahmad, Assistant Professor, English Department, Director of Creative Writing; Dr. Margaret I. Kanipes, Associate Professor, Chemistry Department, Outstanding Young Investigator Recipient Award 2006-2007; Mr. David Street, (Senior) Political Science major, Student Government Association President

1 p.m.-2 p.m.: School of Nursing, Noble Hall, 308 Auditorium, Moderator: Dr. Patricia Chamings, Dean of Nursing
• Presenters: Dr. Patricia Shelton, Ms. Shenita Randolph, Ms. Virginia Ervin and student. Jacklyn Elmore

2 p.m.-3 p.m.: School of Business and Economics, Merrick Hall, Auditorium, Moderator: Dr. Thaddeus McEwen, Professor, Director of Entrepreneurship Center
• Presenters: Dr. Chi Anyansi-Archibong, Professor, Department of Business Administration, Administrative Responsibilities in Internationalizing the University; Presenter: Dr. Alice Stewart, Associate Professor, Department of Business Administration, Importance of Study Abroad for Professional Development of Future Business Leaders; Student Presenter: Christina Minor, Beta Gamma Sigma, Reflections and Experiences in a Foreign Country

3 p.m.-4 p.m.: College of Engineering, McNair Hall, Auditorium, Moderator: Dr. Joseph Monroe, Dean of the College of Engineering (COE)
• Panel Discussion Participants: Dr. Shanthi Lyer: Optoelectronic Devices for Flexible Displays and Infrared Sources; Dr. Salil Desai, Exploring Research Frontiers in Nano and Bio Manufacturing at NC A&T; Ms. Jessica Perkins, Student: Direct-Writing of Drug Delivery Capsules and Tissue Scaffolds

4 p.m.-5 p.m.: Special Presentations, GCB, A218 Auditorium, Moderator: Mr. DeWayne Wickham, Director of A&T’s Institute of Advanced Journalism Studies and Columnist for USA TODAY and the Gannette News Service
Title: The Importance of Educating the Next Generation of Black Leaders
• Presenter: Wade Henderson, President and CEO of the Leadership Conference on Civil Rights. Mr. Henderson is also the Joseph L. Raug, Jr., Professor of Public Interest at the University of the District of Columbia’s David A. Clarke School of Law. He’s the former director of the Washington Bureau of the NAACP, and associate director of Washington National Office of the American Civil Liberties Union. Mr. Henderson is a graduate of Howard University and the Rutgers University School of Law. He holds an honorary Doctorate of Law from Queens College School of Law, of the City College of New York.
• Presenter: Sheryl McCarthy, is the Distinguished Lecturer in Journalism at Queens College, of the City University of New York and a member of the board of contributors of USA TODAY. A former trustee of Mount Holyoke College, where she obtained her undergraduate degree, Ms. McCarthy earned an M.A. and law degree from Columbia University. During her journalism career, she worked for the Boston Globe, the Baltimore Evening Sun, the New York Daily News and Newsday, where she was an award winning columnist. Among her honors are two awards that she received from the National Education Writers Association.
• Presenter, Les Payne, is an author and columnist with Newsday. The winner of a Pulitzer Prize for investigative reporting, he is the paper’s former associate managing editor for national, science, and international news. A founding member and former president of the National Association of Black Journalists, Mr. Payne was the inaugural professor for the David Laventhol Chair at Columbia University’s Graduate School of Journalism. He is a recipient of honorary doctoral degrees from Medgar Evers College and Long Island University.