



2009 ALABAMA SPACE GRANT CONSORTIUM FELLOWSHIP & SCHOLARSHIP AWARDEES

ALABAMA A&M UNIVERSITY

Undergraduate Scholars:

***Tamara Denise Edwards**, Mechanical Engineering, BS, May 2011

Delores B. Parker, Electrical Engineering, BS, December 2010

Breon Jamal Williams, Mechanical Engineering, BS, May 2011

Teacher Educator Scholar:

Lacretia M. Conaway, Mathematics Education, BS, December 2010

Graduate Fellows:

***Timothy Earl Baldwin**, "GIS and Remote Sensing Multi-scale Analysis of the Effect of Forest Disturbance on Pool Breeding Amphibian Ecology", Plant & Soil Sciences, Ph.D, May 2012. Advisor: Dr. Yong Wang. NASA Marshall Space Flight Center.

***Eugene L. Harris**, "Electron Beams and Dynamical Polarization Created by LiNbO₃ Crystals", Materials Science, MS, May 2010. Advisor: Dr. J.C. Wang. NASA Marshall Space Flight Center.

AUBURN UNIVERSITY

Undergraduate Scholars:

Mallory L. Garver, Electrical and Computer Engineering, BS, August 2011

Britney R. Willis, Biomedical Sciences, BS, May 2011

Graduate Fellows:

***Jeffrey Michael Badyrka**, "Prediction of Sound Pressure Fluctuation Levels and Spatial Distribution for Flight Launch Vehicles", Aerospace Engineering, MSE, May 2010. Advisor: Dr. Roy Hartfield. NASA Langley Research Center.

***David John Branscomb**, "Minimal Weight Composites Utilizing Advanced Manufacturing Techniques", Polymer & Fiber Engineering, Ph.D., December 2011. Advisor: Dr. Roy M. Broughton. NASA Glenn Research Center.

THE UNIVERSITY OF ALABAMA

Undergraduate Scholars:

***Lauren G. Bialoskurski**, Mechanical Engineering, BS, May 2010

Carl J. Breidenich, Mechanical Engineering, BS, May 2011

Edwin A. Bullard, Mechanical Engineering, BS, May 2011

Andrew Thomas Cibulas, Mechanical/Aerospace Engineering, BS, May 2011

Joseph P. Holland, Mechanical/Aerospace Engineering, BS, May 2010

Jesus Ortega Mares, Jr., Mechanical Engineering, BS, May 2011

***Nichole M. Ramirez**, Aerospace Engineering, BS, May 2010

Ryne T. Saxe, Physics/Mathematics, BS, May 2010

Christopher Brian Sexton, Mechanical Engineering, BS, May 2010

Kristen M. Stovall, Chemical & Biomedical Engineering, BS, May 2011

Ryan L. Thomas, Mechanical Engineering, BS, May 2010

Graduate Fellows:

Jason Allen Davis, "Water-Cooled LDV Probe Development for Rocket/Gas-Turbine Engine Environments", Aerospace Engineering, MSE, December 2010. Advisor: Dr. Semih Olcmen. NASA Stennis Space Center.

***Brian Andrew Lozes**, "Vibration Absorber Design and Control for Space Launch Vehicle Vibration Reduction", Mechanical Engineering, MSE, May 2010. Advisor: Dr. Keith Williams. NASA Marshall Space Flight Center.

THE UNIVERSITY OF ALABAMA AT BIRMINGHAM

Undergraduate Scholars:

Travis G. Bryant, Biophysics/Chemistry, BS, May 2010

Graduate Fellows:

****Keith Jamahl Green**, "Polymer Materials/High Temperature Thermoset & Carbon Nanofiber Nanocomposites and the Development of Multiscale Composite Structures: Property/Processing/Structure Relationships", Materials Engineering, Ph.D., May 2011. Advisor: Dr. Derrick R. Dean. NASA Glenn Research Center.

***Douglas W. White**, "Laboratory Studies of Carbon Dioxide Ices Subject to Thermal Processing in Support of Spitzer Space Telescope Observations", Physics, Ph.D., August 2010. Advisor: Dr. Perry A. Gerakines. NASA Marshall Space Flight Center.

THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

Undergraduate Scholars:

Christian P. Bonnell, Physics/Mathematics, BS, May 2011

John C. Carpenter, Aerospace Engineering, BS, May 2010

***Chasity JaNae Cauthen**, Chemistry/Biology, BS, May 2011

***Amanda A. Coleman**, Mathematics, BS, May 2011

Jennifer A. Hunt, Aerospace Engineering, BS, December 2011

***Charlesia E. McLin**, Biology/Chemistry, BS, December 2009

***Briana S. Merkerson**, Industrial & Systems Engineering, BS, December 2010

***Danielle L. Nuding**, Physics/Mathematics/Atmospheric Science, BS, December 2009

Teacher Educator Scholar:

Carol Whitney Rohe, Mathematics Education, BS, December 2011

Graduate Fellows:

Ashley E. Campbell, "Determining Lunar Mineralogy Using Energy-Dispersive X-ray Spectroscopy", Physics, Ph.D., May 2013. Advisor: Dr. Massimiliano Bonamente. NASA Marshall Space Flight Center.

Ross Jared Cortez, "Studies in Helicity Injection in a Plasmoid Thruster as a Bridge to Near Term Fusion Propulsion", Mechanical Engineering, Ph.D., May 2011. Advisor: Dr. Jason T. Cassibry. NASA Marshall Space Flight Center.

THE UNIVERSITY OF SOUTH ALABAMA

Undergraduate Scholars:

Adam F. Culberson, Mechanical Engineering, BS, May 2010

Gregory James Schoepen Hickman, Mechanical Engineering/Mathematics, BS, December 2011

Angel Huot, Mechanical Engineering, BS, May 2012

Rachael M. Penton, Meteorology/Geography, BS, May 2011

Graduate Fellows:

***Robert L. Clark, III.**, "Study of Thermal-Fluidic Phenomena in the Non-Isothermal VARTM Manufacturing Process for Polymer Matrix Composites", Mechanical Engineering, MSE, May 2010. Advisor: Dr. Kuang-Ting Hsiao. NASA Marshall Space Flight Center.

***Thomas Ray Miller**, "Mechanical/Biomechanical Engineering Modeling Human Bio-heat Transfer and Thermoregulation During Astronaut EVA", Mechanical Engineering, MSE, May 2010. Advisor: Dr. David Nelson. NASA Johnson Space Flight Center.

TUSKEGEE UNIVERSITY

Undergraduate Scholars:

Ashley D. Harvell, Electrical Engineering, May 2011

Adam T. Mastin, Electrical Engineering, May 2011

Jonathan T. Rice, Electrical Engineering, May 2011

***Gary Mattison Sanford**, Electrical Engineering, May 2010

Amber L. Smith, Electrical Engineering, May 2011

** Denotes renewal of a previous Fellowship or Scholarship*