



2011 NASA ALABAMA SPACE GRANT CONSORTIUM FELLOWSHIP & SCHOLARSHIP AWARDEES

ALABAMA A&M UNIVERSITY

Undergraduate Scholars:

Landon Cook, Mechanical Engineering, BS, May 2012

Mardecial Hines, Civil Engineering, BS, May 2012

Jonathan Hudson, Biology, BS, December 2011

***Quintina Marable**, Food Science, BS, December 2011

***Kayla Janel Merriweather**, Civil Engineering, BS, December 2011

Raneisha Moorer, Electrical Engineering, BS, May 2012

Sierra Swoope, Biology, BS, December 2011

Daavid Williams, Electrical Engineering, BS, May 2012

Regina Williams, Chemistry, BS, May 2012

Graduate Fellows:

Ross Fontenot, "Study, Development, and Innovative Exploration of Triboluminescent Materials for Smart Sensors", Physics, PhD, May 2014. Advisor: Dr. Mohan Aggarwal. NASA Marshall Space Flight Center.

Paul Robinson, "Miniaturized Real-time Surface-Enhanced/Stand-off Raman Based Hydrazine Sensor", Physics, PhD, August 2014. Advisor: Dr. Mohan Aggarwal. NASA Glenn Research Flight Center.

AUBURN UNIVERSITY

Undergraduate Scholars:

Jessica Belue, Industrial and Systems Engineering, BS, May 2014

Christopher Erb, Electrical and Computer Engineering, BS, December 2013

Nathanael Gill, Physics and Electrical Engineering, BS, May 2013

Rebecca Keller, Aerospace Engineering, BS, May 2013

Chad Rose, Mechanical Engineering, BS, May 2012

Travis Wheeler, Mechanical Engineering, May 2013

Teacher Education Scholar:

Lindsey Rogers, Secondary Physics Education, BS, May 2013

Graduate Fellows:

Jordan H. Britt, "Unmanned Robot Navigation in Unstructured Environments", Electrical Engineering, PhD, December 2014. Advisor: Dr. John Hung. NASA Marshall Space Flight Center.

***Wesley Smith, III**, "Bridging the Gap between Computational Fluid Dynamics and Aero-acoustic Launch Environment", Mechanical Engineering, PhD, May 2012. Advisor: Dr. Malcolm J. Crocker. NASA Marshall Space Flight Center.

THE UNIVERSITY OF ALABAMA

Undergraduate Scholars:

Brynn Bralley, Mechanical Engineering, BS, December 2011

Melissa Hembree, Mechanical Engineering, BS, December 2011

Jill Hoover, Mechanical Engineering, BS, May 2012

Mary Jones, Mechanical Engineering, BS, May 2012

Justin Reeves, Mechanical Engineering, BS, May 2012

Tiesha Salandy, Aerospace Engineering, BS, December 2013

Teacher Educator Scholar:

Matthew Beck, Mathematics Education, BS, May 2013

Graduate Fellows:

Nicholas Harris, "Photon Sensor Devices Based on Semiconductor Nanomaterials", Electrical Engineering, PhD, May 2015. Advisor: Dr. Patrick Kung. NASA Goddard Space Flight Center.

***Timothy Shirey**, "Perchlorate Reduction and Biochemistry in the Atacama Desert: The Search for Bio-Signatures of Life in a Martian Analog Environment", PhD, Biology, May 2013. Advisor: Dr. Julie Olson. NASA Ames Research Center.

THE UNIVERSITY OF ALABAMA AT BIRMINGHAM

Undergraduate Scholar:

***Andrew Douglas Fox**, BioMedical Engineering, BS, May 2012

Graduate Fellows:

***Laura Gast**, "Long-term Land-use Change in Puerto Maldonado, Peru and its Implications for Dengue Surveillance and Control: Testing Pixel-Based versus Object-Based Remote Sensing Classification Systems", Public/International Health, PhD, August 2012. Advisor: Dr. Sarah Parcak. NASA Marshall Space Flight Center.

***Sarah Thomas**, "Rare Earth Materials Under Extreme Conditions", Physics, PhD, May 2012. Advisor: Dr. Yogesh Vohra. NASA Marshall Space Flight Center.

THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

Undergraduate Scholars:

***Paul Ferguson**, Biology/Chemistry, BS, May 2012

Tara Ferguson, Earth System Science, BS, May 2012

Brady Hood, Physics/Mathematics, BS, May 2012

***Robert Liaghati-Mobarhan**, Physics, BS, May 2012

Samantha Shine, Industrial and Systems Engineering, BS, May 2013

Teacher Educator Scholar:

Tami Reeves, Mathematics Education, BS, May 2013

Graduate Fellows:

***Ashley Campbell**, "Cosmology via Joint Analysis of Chandra X-Ray and Sunyaev-Zel'dovich Observations: Calibration of the Cluster Mass Function", Physics, PhD, May 2014. Advisor: Dr. Massimiliano Bonamente. NASA Marshall Space Flight Center (NSSTC).

Brian Sweeney, "Liquid Rocket Combustion Stability Study", Mechanical Engineering, PhD, August 2014. Advisor: Dr. Robert Frederick. NASA Marshall Space Flight Center.

THE UNIVERSITY OF SOUTH ALABAMA

Undergraduate Scholars:

Daniel Martin, Electrical Engineering, BS, May 2013

Sarah Naylor, Mechanical Engineering, BS, December 2013

Richard Salter, Mechanical Engineering, BS, May 2013

Ryan Stonecypher, Mechanical Engineering, BS, May 2012

Quan Tran, Mechanical Engineering, BS, May 2012

Graduate Fellows:

***Daniel O'Keefe**, "Dynamics and Control of Fuel Cell Systems", Chemical Engineering, MSE, May 2012. Advisor: Dr. Srinivas Palanki. NASA Marshall Space Flight Center.

***Alexander Scruggs**, "Microtensile Testing Stage Design for Improved Thermo-Mechanical Analysis of Composite Specimens", Mechanical Engineering, MSE, May 2012. Advisor: Dr. Gail Jefferson. NASA Marshall Space Flight Center.

TUSKEGEE UNIVERSITY

Undergraduate Scholar:

Troy Cole, Aerospace Science Engineering, BS, May 2012

** Denotes renewal of a previous Fellowship or Scholarship*