

**2016-2017 NASA ALABAMA SPACE GRANT CONSORTIUM  
SCHOLARSHIP & FELLOWSHIP AWARDEES**

**ALABAMA A&M UNIVERSITY**

**Dr. Aaron L. Adams, Campus Director**

*Undergraduate Scholars:*

Frederick Montez Boyd, Mechanical Engineering, BS, May 2018

Daijha Hilliard, Mechanical Engineering, BS, May 2018

Quinton J. Land, Mechanical Engineering, BS, May 2017

\*Jesse Matthews, Jr., Civil Engineering, BS, December 2017

\*Kasey McCoy, Civil Engineering, BS, December 2017

Myles Anthony Xavier Moore, Mechanical Engineering, BS, May 2018

Jourdan D. Smith, Mechanical Engineering, BS, May 2018

*Graduate Fellows:*

**\*\*Jonathan Stuart Lassiter**, “The Influence of Surfaces and Interfaces on the Efficacy of Room Temperature Radiation Detectors”, Physics, Ph.D., August 2017. Advisor: Dr. Stephen Babalola. NASA Marshall Space Flight Center.

**Jemilia Ross Polius**, “Energy Harvesting and Storage Using Smart Nanocomposite Films”, Physics, Ph.D., December 2019. Advisor: Dr. Mohan Aggarwal. NASA Marshall Space Flight Center.

**AUBURN UNIVERSITY**

**Dr. David G. Beale, Campus Director**

*Undergraduate Scholars:*

Mark E. Ballard, Electrical Engineering, BS, December 2016

Martha E. Ballard, Civil Engineering, BS, December 2016

Madeline Bonifay, Chemical Engineering, BS, May 2018

Jessica Dyk, Mechanical Engineering, BS, May 2017

\*Dorian George Canior Hill, Electrical Engineering, BS, May 2017

Ellen Komlos, Mechanical Engineering, BS, May 2017

\*Jacob D. Locke, Electrical Engineering, BS, December 2017

Maggie McCoy, Chemical Engineering, BS, May 2018

Stephanie Parsons, Mechanical Engineering, BS, May 2019

\*Colin Stelly, Aerospace Engineering, BS, December 2017

**Teacher Education Scholar:**

Emily Smith, Mathematics Education, BS, May 2018

**Graduate Fellows:**

\*\*Austin Russell Gurley, “A Study of Shape Memory Alloy Actuators and Controls for Minimal Weight Space Applications”, Mechanical Engineering, Ph.D., August 2017. Advisor: Dr. David Beale. NASA Glenn Research Center.

Jenna Klemkowsky, “Three-dimensional Density Measurements Using Background-oriented Schlieren with a Plenoptic Camera”, Aerospace Engineering, Ph.D., May 2019. Advisor: Dr. Brian Thurow. NASA Langley Research Center.

**THE UNIVERSITY OF ALABAMA**

Dr. John Baker, Campus Director

**Undergraduate Scholars:**

Libby Beddingfield, Chemical Engineering, BS, May 2019

\*Brianna Bolling, Aerospace Engineering, BS, May 2019

Easton Davis, Aerospace Engineering, BS, May 2018

Alex Drozd, Physics/Astrophysics, BS, May 2017

\*Ashley Kiana Jeter, Metallurgical Engineering, BS, May 2017

\*Kathryn McCoy, Civil and Environmental Engineering, BS, December 2016

Sydney Leigh Torrez, Metallurgical & Materials Engineering/Astrophysics, BS, May 2018

Megan R. Wood, Mechanical Engineering, BS, May 2019

**Graduate Fellows:**

Jared R. Hammerton, “Aeroelastic Studies for Flexible Aircraft Wings Under Multi-Scale Morphing”. Aerospace Engineering, MS, May 2018. Advisor: Dr. Weihua Su. NASA Ames Research Center.

Benjamin White, “Mechanical Characterization and Evaluation of Aluminum Alloy Cold Spray Deposits for Use in Structural Repairs”. Materials Science, Ph.D., May 2019. Advisors: Drs. Brain Jordon and Luke Brewer. NASA Marshall Space Flight Center.

**THE UNIVERSITY OF ALABAMA AT BIRMINGHAM**

Dr. Yogesh K. Vohra, Campus Director

**Undergraduate Scholars:**

Matthew Kuhl, Molecular Biology, BS, May 2019

Garrett J. Payne, Physics, BS, May 2017

Graduate Fellows:

\*Nicholas Weldon Pensa, “Tunable Co-delivery of VEGF and BMP-Z to Enhance Bone Regeneration”. Biomedical Engineering, Ph.D., May 2018. Advisor: Dr. Susan Bellis. NASA Ames Research Center.

Andrew T. Wood, “Rapid Production of Non-Woven Fibrous Structures: Methods and Applications for Improved Mechanical, Electrical, and Thermal Characteristics of Organic/Inorganic Membranes”. Materials Science and Engineering, Ph.D., August 2017. Advisor: Dr. Vinoy Thomas. NASA Marshall Space Flight Center.

**THE UNIVERSITY OF ALABAMA IN HUNTSVILLE**

**Drs. Gerald R. Karr & Francis C. Wessling, Co-Campus Directors**

Undergraduate Scholars:

Sara Amirazodi, Earth System Science, GIS & Remote Sensing, BS, May 2017

Justin Grimm, Biology, BS, May 2017

Trevian Jenkins, Electrical Engineering, BS, May 2019

Sean D. Mayers, Mechanical Engineering, BS, May 2018

Chloe McFadden, Aerospace Engineering, BS, May 2018

Kareem Omar, Aerospace Engineering & Applied Physics, BS, May 2017

Thomas L. Reyes, Chemistry, BS, May 2018

Jonathan A. Shields, Computer Science, BS, December 2017

Teacher Education Scholar:

Rosalie Eddy, Secondary Math Education, BS, December 2016

Graduate Fellows:

Ethan Hopping, “Feasibility Study of Hall Thruster Fabrication Using Additive Manufacturing”. Aerospace Engineering, MS, May, 2017. Advisor: Dr. K. Gabriel Xu. NASA Glenn Research Center.

Deanna L. Phillips, “Enhancing the Science Return of Lunar Surface Studies: Analysis of Rediscovered Data from Apollo 17’s Seismic Profiling Experiment”. Physics, MS, May 2017. Advisor: Dr. Richard S. Miller. NASA Marshall Space Flight Center.

**THE UNIVERSITY OF SOUTH ALABAMA**

**Dr. John W. Steadman, Campus Director**

Undergraduate Scholars:

\*Chad Michael Austin, Electrical Engineering/Computer Engineering, BS, May 2018

**Christopher L. Castillo**, Chemical Engineering, BS, May 2017

**Grant Davis**, Mechanical Engineering/Physics, BS, May 2017

**Traci Palmer**, Geography, BS, May 2017

**Graduate Fellows:**

**Jacob William Deal**, “Modeling Supercritical Fluid Deposition of Nanostructured Catalysts for Logistical Hydrogen Production”. Systems Engineering, Ph.D., May 2018. Advisor: Dr. Christy Wheeler West. NASA Langley Research Center.

\***Sam Mayes**, “Design and Development of Hyperspectral Illumination System Using Systems Engineering Techniques”. Systems Engineering, Ph.D., May 2018. Advisor: Dr. Silas Leavesley. NASA Johnson Space Center.

**TUSKEGEE UNIVERSITY**

**Dr. Gregory V. Murphy**, Campus Director

**Undergraduate Scholars:**

**Nicholas S. Griffin**, Aerospace Engineering, BS, May 2018

\***Tiareah B. Jakes**, Electrical Engineering, BS, December 2017

\***Nathan A. Taylor**, Electrical Engineering, BS, December 2017

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*\*Denotes one year renewal of a previous Scholarship or Fellowship Award*

*\*\*Denotes two year renewal of a previous Fellowship Award*

**ASCENT COMMUNITY COLLEGE SCHOLARS**

**Dr. John W. Steadman**, Program Manager

**BEVILL STATE COMMUNITY COLLEGE**

\***Brenton Shane Rickman**, Pre-Engineering

**BISHOP STATE COMMUNITY COLLEGE**

\***Braxton Leerick Kennedy**, Chemistry/Pre-Engineering

\***Keith Anthony Nelson**, Chemistry/Pre-Engineering

\***Phuoc Hung Nguyen**, Electrical Engineering

**Alexis Janae Scott**, Chemical Engineering

\***Thearthur Edward Thames**, Pre-Engineering

\*Ivey Marie Van Voast, Computer Science

#### JOHN C. CALHOUN COMMUNITY COLLEGE

\*Vincent Jordan Voss, Industrial Engineering

#### FAULKNER STATE COMMUNITY COLLEGE

\*Dylan Michael Burton, Civil Engineering

Danielle Alexandra Johnson, Pre-Engineering

Joseph Ray Kahl, Mechanical Engineering

Paul Christopher Kossik, Civil Engineering

\*Lauren Gabrielle Moorer, Pre-Engineering

\*William Micah Pimperl, Mechanical Engineering

Trever Christian Reaves, Pre-Engineering

\*Cynthia Mae Salyers, Civil Engineering

Anna Elizabeth Sawyer, Chemical Engineering

#### LAWSON STATE COMMUNITY COLLEGE

\*Brittney Nicole Terry, Pre-Engineering

#### LURLEEN B. WALLACE COMMUNITY COLLEGE

\*Frederick William Riedel, Pre-Engineering

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