

ALABAMA SPACE
GRANT CONSORTIUM

and

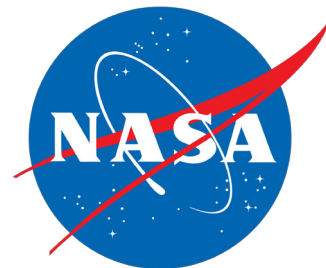
GEORGE C. MARSHALL
SPACE FLIGHT CENTER

present the

ALABAMA SPACE GRANT CONSORTIUM
TWENTY-SECOND ANNUAL
SCHOLARSHIP & FELLOWSHIP
AWARDS CEREMONY and LUNCHEON

FRIDAY, NOVEMBER 4, 2011

12:00 - 5:00 P.M.



Hosted by the Alabama Space Grant Consortium
& the MSFC Academic Affairs Office
George C. Marshall Space Flight Center
Huntsville, Alabama

**TWENTY-SECOND ANNUAL ALABAMA
SPACE GRANT CONSORTIUM
SCHOLARSHIP & FELLOWSHIP
CEREMONY AND AWARDS LUNCHEON**

2011 – 2012 NASA Alabama Space Grant Consortium
SCHOLARSHIP AND FELLOWSHIP
U. S. STATES AND CONGRESSIONAL DISTRICTS REPRESENTED

SPONSORS

**GEORGE C. MARSHALL SPACE FLIGHT
CENTER ACADEMIC AFFAIRS OFFICE**

*Ms. Tammy B. Rowan, Manager
Dr. Frank Six, University Affairs Officer
Ms. Mona Miller, Program Manager
Ms. Tina Haymaker, Program Assistant
Ms. Katie Hayden, Project Assistant*

ALABAMA SPACE GRANT CONSORTIUM

*Dr. John C. Gregory, Director
Ms. Debora Nielson, Assistant Director
Ms. Teresa Shurtz, Program Manager
Ms. Beverly Pike, Administrative Assistant*

AWARDS HOST

*Ms. Debora Nielson, Assistant Director
Alabama Space Grant Consortium*

AWARDS ANNOUNCER

*Dr. Teresa Merriweather Orok, Executive Director
Center for Entrepreneurship and Economic Development
and Associate Director, Alabama Space Grant Consortium*

AWARDS PRESENTER

*Dr. John C. Gregory, Director
Alabama Space Grant Consortium*

States	Cong. Rep./ Districts	Scholars	Fellows	Teacher Education Scholar
Alabama	7	23	6	3
California	3	2	1	0
Georgia	1	0	1	0
Florida	2	2	0	0
Illinois	1	1	0	0
Louisiana	1	0	1	0
Nebraska	1	0	1	0
New Jersey	1	1	0	0
Ohio	1	1	0	0
Oklahoma	1	0	1	0
Tennessee	3	2	1	0
Texas	1	1	0	0
Total: 12	23	33	12	3

**2011 NASA ALABAMA SPACE GRANT CONSORTIUM
SCHOLARSHIP & FELLOWSHIP AWARDEES**

ALABAMA A&M UNIVERSITY

Dr. V. Trent Montgomery, Campus Director

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

Dr. David G. Beale, Campus Director

Undergraduate Scholars:

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

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

Matthew 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.

AGENDA

<u>TIME</u>	<u>ACTIVITY</u>	<u>LOCATION</u>
12:00 pm	Check-in & Receive Name Badge at Big Spring Ballroom A/B	Embassy Suites 800 Monroe Street Huntsville, AL 35801
	Fellow/Scholar Individual Photographs <i>Mr. Charles Patty & Mr. Addison Brown The University of Alabama in Huntsville</i>	
12:00 pm	Luncheon Buffet	Big Spring Ballroom A/B
12:15 pm	Welcome <i>Dr. Frank Six, University Affairs Officer, MSFC</i>	Big Spring Ballroom A/B
	Guest Introductions <i>Dr. John C. Gregory, Director, ASGC</i>	
12:30 pm	Special Guest Speaker: <i>"High-Energy Astrophysics" Dr. Gerald J. Fishman, NASA MSFC Astrophysicist</i>	Big Spring Ballroom A/B
1:00 pm	Awards Ceremony for Fellows & Scholars Introduction & Presentation of Awards <i>Dr. John Gregory & Dr. Teresa Merriweather Orok</i>	Big Spring Ballroom A/B
1:30 pm	Group Photographs <i>Mr. Charles Patty & Mr. Addison Brown The University of Alabama in Huntsville</i>	Big Spring Ballroom A/B
1:40 pm	Change into Closed-toed, Comfortable Walking Shoes	Big Spring Ballroom A/B
1:45 pm	Vans Depart to Decatur, AL	
2:30 – 4:00 pm	United Launch Tour Alliance Facilities	1001 Red Hat Rd., NW Decatur, AL 35601
4:15 pm	Vans Depart to Huntsville, AL (Travel Back to Embassy)	
5:00 pm	Arrive Back at Embassy Suites Hotel Huntsville	

***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

Dr. John Baker, Campus Director

Undergraduate Scholars:

Brynn Bralley, Mechanical Engineering, BS, December 2011
Melissa Hembree, Mechanical Engineering, BS, December 2011
Jill Hershman, 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

Dr. Yogesh K. Vohra, Campus Director

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

Dr. Gerald R. Karr, Campus Director

Undergraduate Scholars:

***Paul Ferguson**, Biology/Chemistry, BS, May 2012
Tara Ferguson, Earth System Science, BS, May 2012
Brady Hood, Physics/Mathematics, BS, May 2012
***Hassan Robert Liaghati**, 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

Dr. John W. Steadman, Campus Director

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

Dr. Gregory V. Murphy, Campus Director

Undergraduate Scholar:

Troy Cole, Aerospace Science Engineering, BS, May 2012

* Denotes renewal of a previous Fellowship or Scholarship