

Report Information				
Award Type	Award Number	Prime DUNS	Calendar Year / Quarter	Final Report
Grant	0855182	066470972	2011 / 2	No

Award Recipient Information	
Recipient DUNS Number 066470972	Recipient Address 1 107 SAMFORD HALL
Recipient Account Number 219038	Recipient Address 2
Recipient Congressional District 02	Recipient City AUBURN
Parent DUNS Number 066470972	Recipient State AL
Recipient Type 2U.G6.M8.OH.VW	Recipient ZIP Code + 4 368490001
Recipient Legal Name AUBURN UNIVERSITY	Recipient Country USA
Recipient DBA Name	

Project / Award Information	
Funding Agency Code 4900	Total Number of Sub Awards less than \$25,000/award 0
Awarding Agency Code 4900	Total Amount Sub Awards less than \$25,000/award 0.00
Program Source (TAS) Code 49-0101	Total Number of Sub Awards to Individuals 0
Sub Account Number for Program Source	Total Amount of Sub Awards to Individuals 0.00
CFDA Number 47.082	Total Number of Payments to Vendors less than \$25,000/award 17
Amount of Award 189284.00	Total Amount of Payments to Vendors less than \$25,000/award 1160.73
Award Date 08/01/2009	
Award Description Collaborative Research: CRI-RUI: II-New Attract: Aerial and Terrestrial Testbed for Research in Aerospace, Computing and Mathematics - The objective of this project is to inspire students at Tuskegee University and Auburn University in mathematics, aerospace science engineering, and networking by inviting them to contribute to a grand project: fly safely and efficiently, in a limited space, a fleet of autonomous unmanned aerial vehicles (UAVs) on a cooperative mission with terrestrial vehicles. While the project may take over five years to complete, the scope of this proposal is to set up in two years the required research infrastructure with the collaboration of undergraduate and graduate students.	

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Project Information

<p>Project Name or Project/ Program Title</p> <p>Quarterly Activities/ Project Description</p>	<p>Collaborative Research: CRI-RUI: II-New Attract: Aerial and Terrestrial Testbed for Research in Aerospace, Computing and Mathematics</p> <p>We assembled four UAVs. This quarter, we experienced a setback because the parts we used to assemble the UAVs are not available anymore. More compact components are proposed by the provider. The new components unfortunately are not stable and previous designed software must be redesigned to work with these new components. We fixed numerous software bugs, but still need to test and evaluate the new components. We should succeed to assemble 12 UAVs by end of September 2011. We aimed to "acquire" ten UAVs for about \$100,000. Now, we will assemble ourselves by September 2011 12 UAVs for less than \$12,000.</p> <p>The objective of this project is to build the infrastructure. This objective will be reached ahead of schedule. Now, without requiring more funds, we can involve students to perform research to safely fly in a limited air space 6 to 12 UAVs to AUTONOMOUSLY and cooperatively perform some mission.</p>	<p>Activity Codes (NAICS or NTEE-NPC) (up to 10)</p> <p>Activity Code 1 B43 - NTEE</p> <p>Activity Code 2</p> <p>Activity Code 3</p> <p>Activity Code 4</p> <p>Activity Code 5</p> <p>Activity Code 6</p> <p>Activity Code 7</p> <p>Activity Code 8</p> <p>Activity Code 9</p> <p>Activity Code 10</p>
<p>Project Status Less than 50% completed</p> <p>Total Federal Amount ARRA Funds Received/ Invoiced 105758.31</p> <p>Number of Jobs 2.12</p> <p>Description of Jobs Created Faculty, Graduate Assistants and Student Workers</p> <p>Total Federal Amount of ARRA Expenditure 123193.38</p>		

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Total Federal ARRA 0.00
Infrastructure Expenditure
Infrastructure Purpose and Rationale

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Infrastructure Contact

Name	Street Address 1
Email	Street Address 2
Phone	Street Address 3
Ext	City
	State
	ZIP Code + 4

Primary Place of Performance

Address 1	107 Dunstan Hall
Address 2	
City	Auburn University
Country Code	US
State	AL
ZIP Code + 4	36849 - 0001
Congressional District	02

Recipient Highly Compensated Officers

Prime Recipient Indication of Reporting Applicability	No	Officer 3 Name	
Officer 1 Name		Officer 3 Compensation	
Officer 1 Compensation		Officer 4 Name	
Officer 2 Name		Officer 4 Compensation	
Officer 2 Compensation		Officer 5 Name	
		Officer 5 Compensation	

Report Audit Trail

Created By	Cindy Selman
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