

Report Information				
Award Type	Award Number	Prime DUNS	Calendar Year / Quarter	Final Report
Grant	DE-FG02-00ER54577	066470972	2010 / 4	No

Award Recipient Information	
Recipient DUNS Number 066470972	Recipient Address 1 107 SAMFORD HALL
Recipient Account Number 219051	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 8925	Total Number of Sub Awards less than \$25,000/award 0
Awarding Agency Code 8925	Total Amount Sub Awards less than \$25,000/award 0.00
Program Source (TAS) Code 89-0227	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 81.049	Total Number of Payments to Vendors less than \$25,000/award 42
Amount of Award 140000.00	Total Amount of Payments to Vendors less than \$25,000/award 57883.85
Award Date 07/19/2010	
Award Description This supplemental award for infrastructure improvements is aimed at providing the PI's laboratory with upgrades to enhance the operational parameters of experiments and new diagnostic systems to improve the University ability to perform scientific measurements. These tools will not only expand our current experimental capabilities, but also lay the groundwork for new investigations.	

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Project Information

Project Name or Project/ Program Title	Multi-scale investigation of sheared flows in magnetized plasmas	Activity Codes (NAICS or NTEE-NPC) (up to 10)
Quarterly Activities/ Project Description	<p>Providing critical hardware support for the DOE-supported Auburn Linear Experiment for Instabilities Studies (ALEXIS). In particular, we have made upgrades to the vacuum system and control system of the ALEXIS device. And, we have used funds to improve the performance of an argon-ion / dye laser system used for laser induced fluorescence (LIF) measurements. This is a critical diagnostic system that is central to the doctoral research of two current Ph.D. students and likely many more in the following years.</p> <p>Providing the funding to support the purchase of a tunable diode-based laser system for LIF studies. This new hardware represents the state-of-the-art in tunable laser diode systems. It has the potential to provide higher output power and more stability than the current dye laser system. The new system was installed in the laboratory in early Dec., 2010 and appears to meet all of our operational criteria.</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>
Project Status	Completed 50% or more	
Total Federal Amount ARRA Funds Received/ Invoiced	114297.26	
Number of Jobs	0.00	
Description of Jobs Created	None	
Total Federal Amount of ARRA Expenditure	125547.99	
Total Federal ARRA Infrastructure Expenditure	0.00	

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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	Department of Physics
Address 2	208 Allison Hall
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
Date Created	01/02/2011 03:07 PM
Last Updated By	Cindy Selman
Last Updated On	01/05/2011 04:54 PM

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Vendor Information

Sub Award Number		Payment Amount	65140.00
Vendor DUNS Number	126139489	Product and Service Description	Laser system and periperhals
Vendor Name	TOPTICA Photonics, Inc.		
Vendor HQ ZIP Code + 4	14564 - 1402		

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