

FY 2006 DoD Infrastructure Support Program for HBCU/MI

AWARD RECIPIENTS

Institution	ST	Principal Investigator	Proposal Title	Type Award	Selecting Agency
Adams State College	CO	Dr. Randall Emmons	Current Technology for Astronomy	Instrument	AFOSR
Alabama State University	AL	Mr. Elijah Nyairo	Instrument Acquisition to Enhance Materials Research and Science Education	Instrument	ARO
Albany State University	GA	Dr. Seong Seo	Thermoresponsive Polymerized Colloidal Crystals Using Hard Core/Soft Shell Nanoparticles and Applications as Sensors for Nerve Agents and Organophosphorous Compounds	Research	ARO
Bowie State University	MD	Assoc. Prof. Seonho Choi	Detection/Remediation of Intrusion Against Broadcast Services in Wireless Sensor Networks	Research	AFOSR
California State Polytechnic University - Pomona	CA	Dr. Howard Turner	Engineering Modeling, Visualization and Animation Instrumentation	Instrument	ARO
California State University - Los Angeles	CA	Prof. Chivey C. Wu	Upgrade of Mechanical Engineering Laboratories	Instrument	AFOSR
California State University - Northridge	CA	Dr. Nhut T. Ho	Reforming CSUN Mechanical Engineering Education: Construction of a Student Design Center	Instrument	AFOSR
Central State University	OH	Dr. Anthony R. Arment	Identifying Maximum Rhizosphere Bioremediative Potential through DNA Microarray	Research	ARO
Clark Atlanta University	GA	Dr. Xiao-Qian Wang	Multiscale Modeling of Shape Memory Alloys	Research	ARO
CUNY - Lehman College	NY	Prof. Christopher Gerry	Parity Measurements and Quantum Information Processing	Research	ARO
East Mississippi Community College	MS	Mr. James Skipper	East Mississippi Community College Science Improvement Project	Instrument	ARO
Elizabeth City State University	NC	Dr. Roberto Frontera-Suau	Study of the Microbial Ecology and Biodegradation Potential of Hydrocarbon Contaminated Soils Amended with Kenaf	Research	ARO
Florida A&M University	FL	Dr. Lewis E. Johnson	RAMAN Enhanced Laser Induced Breakdown Spectroscopy (LIBS) for the Rapid Detection and Evaluation of Biological Warfare Agents in Complex Environments	Research	ARO
Fort Valley State University	GA	Asst. Prof. Ramana M. Gosukonda	Establishing an Interdisciplinary Bioinformatics Laboratory at Fort Valley State University	Instrument	ARO
Hampton University	VA	Asst. Prof JaeTae Seo	Tunable Laser System and Porosity Analysis System for Optical Power Limiter Development	Instrument	ARO
Howard University	DC	Prof. Gary L. Harris	Radiation Resistant Nanoelectronics	Research	AFOSR
Interamerican University of Puerto Rico - Bayamon	PR	Dr. Brett C. Isham	Aspect Angle Dependence of Pump-induced Turbulence in the Ionosphere	Research	AFOSR
Mercy College	NY	Dr. Natalie B. Bronstein	Infrastructure Support for Mercy College's Biotechnology Initiative	Instrument	AFOSR
New Jersey City University	NJ	Dr. Kenneth Yamaguchi	Infusion of Combinatorial Solid-Support and Microwave-Assisted Reaction in the Undergraduate Chemistry Curriculum	Instrument	ARO

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New Mexico State University	NM	Dr. Charles Creusere	Distributed Source Coding Using Bitstream - Based Detection and Classification	Research	ARO
New Mexico State University	NM	Dr. James Allen	Development of Scaled Hummingbird Models for Studying the Dynamics of Hovering and Low Speed Forward Flight	Research	AFOSR
Norfolk State University	VA	Prof. Sam Sun	Development of Tandem Style High Efficiency Polymer Solar Cells	Research	AFOSR
Prairie View A&M University	TX	Dr. Cajetan Akujuobi	Research and Education in Robust PAM/PVM Digital Controller Design	Research	AFOSR
Southern University A&M College-Baton Rouge	LA	Asst. Prof. Guogiang Li	Testing and Modeling of Blast Response of Functionality Graded Composite Armor	Research	ARO
University of California - Riverside	CA	Prof. Alexander A. Balandin	Time-resolved Single-photon Spectrometer for Investigation of Nanostructures and their Optimization for Optoelectronic and Spintronic Applications	Instrument	ARO
University of Houston	TX	Prof. Karolos M. Grigoriadis	Robust Self-Scheduled Control for Engine Efficiency Reliability and Performance Optimization	Research	ARO
University of Miami - Coral Gables	FL	Assoc. Prof. Gecheng Zha	Investigations of Co-Flow Jet Airfoil Fundamental Working Principle	Research	AFOSR
University of Puerto Rico - Humacao	PR	Dr. Nicholas J. Pinto	Understanding the Nature of the Metallic State in Conducting Polymers, a Crucial Step in Fabrication of Enhanced Polymer Based Electronic Devices	Research	ARO
University of Puerto Rico - Mayaguez	PR	Dr. Jorge G. Gutierrez	Magnetocaloric Effect Using a Magnetic Monodisperse Nanofluid with a Low Curie Temperature for Electronic Cooling Applications	Research	ARO
University of Puerto Rico - San Juan	PR	Dr. Gerardo Morell	Large Area, Ambient Pressure Synthesis of Nanocomposite Carbon Films	Research	AFOSR
University of Texas - Pan American	TX	Dr. Heinrich D. Foltz	High-Performance Compact Ultra-wideband Antenna Elements	Research	ARO
Xavier University of Louisiana	LA	Dr. Robert C. Blake II	Acid- and Heat- Stable Proteins from Extremophilic Bacteria	Research	ARO