



Protégé Information Profile

Fisk University

Company Information

President:	Hazel O'Leary	
Headquarters Address:	1000 17th Ave. North, Nashville, TN 37208-3051	
Phone:	615.329.8555	
Fax:	615.329.8576	
E-mail and Website:	N/A	http://www.fisk.edu/index.asp
Business Classification(s):	HBCU	
Years in Business:	140	
Annual Revenues:	\$ 21M	
Number of Employees:	261	

Key Individuals

Name:	President Hazel O'Leary	Dr. Warren E. Collins, Director, Center for Physics and Chemistry of Materials (CPCoM), Department of Physics
Phone:	615.329.8555	615.329.8664
E-mail:	N/A	ecollins@fisk.edu

Other Company Offices

Address:	N/A	
Phone:		
Fax:		
E-mail:		
Office Manager:		

Capabilities

NASA/Fisk University Center:

- The aim of the NASA/Fisk University Center is to perform research and develop technologies relevant to NASA's mission, focusing in the field of photonics.
- Research in photonics has made possible the development of new technologies that have produced revolutionary changes in communications, computing, robotics, medicine, environmental control, and many industrial processes.
- In particular, the Center has focused its research on one of the most promising branches of photonics —one that produces new materials or improves the production of known materials, which are the initial stages of development of the latest advanced technologies.
- Additionally, the potential reputation of the Center will attract an increased number of disadvantaged and underrepresented students, both graduate and undergraduate, and will motivate them to pursue careers relevant to the NASA mission.

Center for Physics and Chemistry of Materials:

The Center for Physics and Chemistry of Materials (CPCoM) at Fisk University will establish a program that integrates high-quality science education with state-of-the-art research and develop it over the course of CREST support into an internationally recognized research center. Education of undergraduates and graduates will be a vital component of the Center. Fisk University and its partners are committed to increasing the numbers of scientists from historically underrepresented populations in order to provide a diverse group of graduate practitioners in this discipline. Student research experiences in the Center for Physics and Chemistry of Materials will include laboratory experimentation and modeling the areas of: preparation of amorphous materials, crystal growth of optical materials, preparation of nanophase materials, thin film deposition, surface characterization, linear and non-linear optics, laser spectroscopy, and the fabrication and implementation of materials in sensors, devices and subsystems.

Undergraduate students supported by the Center will be encouraged to participate in summer research experiences at Fisk, national laboratories, industry and other universities, including participation in summer semesters at doctorate-granting institutions. The project will extend its outreach activities to high schools in Nashville and to HBCUs in Tennessee and neighboring states. Agreements made with Vanderbilt University and Case Western Reserve University will provide Fisk program graduates with opportunities beyond the master's degree as Fisk builds the academic foundation and intellectual climate to develop a quality Ph.D. program of its own.

Primary Clients/Contracts

Y-12 National Security Complex/BWXTY-12

Department of Energy

NASA

National Science Foundation

Air Force Office of Scientific Research

Lawrence Livermore National Laboratory

Missile Defense Agency

U.S. Army

Oak Ridge National Laboratory

February 2007