



Rashida Esi Askia

M.S. Tennessee State University 2006

Major: Administration Supervision

Minor: Elementary Education

B.A Fisk University 2004

Major: Computer Science and Psychology

Faculty Advisor: Dr. Mary Dunn

Program: Research Alliance in Math & Science

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Research Area: Mathematics and Computational Sciences Education

The project aims to develop a portable module used to implement various educational devices for computer science, engineering, biology, and chemistry students. Research will determine the effectiveness and appropriate methods to ensure quality performance from individual students in the Research Alliance in Mathematics and Science Program as interns and employees. All materials will link to the Oak Ridge National Laboratory (ORNL) site for internal use and potential distribution among other DOE-(Department of Energy) funded programs as appropriate.

Specific subtasks:

1. Develop and implement a database system to track all existing and former participants in the RAMS (Research Alliance in Mathematics and Science) Program
2. Interact with ORNL mentors and university faculty to identify and implement curriculum needed to assure readiness in computational research programs at ORNL
3. Design a correlational study to examine and modify the effectiveness of the RAMS Program
4. Run a two-way independent t-test to compare assessments between 2004 RAMS students and 2005 RAMS students
5. Develop a recruiting module appropriate for undergraduate and graduate students implementable to address workforce planning and underutilization at DOE facilities

Research Mentor:

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