

## Oak Ridge National Laboratory

### Performance Review

October 1, 2007 –  
June 30, 2008

Presented by:

**Will Minter**  
Director, Asset Management and  
Small Business Programs Division



# Senior Management Champions

- **Jim Roberto – Deputy for Science and Technology**
- **Greg Turner – Chief Financial Officer**

# Key Initiatives

- **Day of Science**
- **Summer Faculty Research Program**
- **Partnerships**
- **Mentor Protégé Program**
- **Subcontracting**
- **Annual Newsletter**
- **Internships**
- **Outreach Activities**
- **HBCU Collaborative Research Center**



# Day of Science

"2008 DOE Secretary of Energy  
Best Practices Award Winner"

- **Scope: To facilitate a career path for college science students and mutual research collaborations with science professors**



Date: October 28-29, 2007

Attendees: 1,483

Institutions: 127 Colleges and Universities

HBCU/MEIs: 41 Colleges and Universities

DOE Labs 11

# Summer Faculty Research Program

- **Purpose: To provide opportunities for HBCU/MEI and other faculty and student teams to conduct research with ORNL scientists.**

## FY 07

**Number of Participants: 15**

**Number of Institutions: 8**

## FY 08

**Number of Participants: 30**

**Number of Institutions: 21**

**Number of HBCUs/MEIs 7**



# Summer Faculty Spreadsheet

## 2008 ORNL Summer Faculty

| Institution                            | Last Name  | First Name  | Discipline              | Division    | Mentor                | Start Date | End Date |
|--|------------|-------------|-------------------------|-------------|-----------------------|------------|----------|
| <b>HBCU/MEI Faculty</b>                |            |             |                         |             |                       |            |          |
| Delaware State University*             | Mulik      | Jaiwant     | Computer Science        | CSMD        | Stephen Scott         | 2-Jun      | 8-Aug    |
| Florida International University**     | Tang       | Zhonghong   | Civil Engineering       | ESD         | Virginia Dale         | 18-Jun     | 16-Aug   |
| Jackson State University*              | Eldek      | Abdelnasser | Electrical Engineering  | EESD        | Paul Ewing            | 2-Jun      | 8-Aug    |
| Morgan State University*               | Iwunze     | Maurice     | Chemistry               | CSD         | Sheng Dai             | 2-Jun      | 8-Aug    |
| Norfolk State University*              | Basappa    | Prathap     | Electrical Engineering  | Biosciences | Thomas Thundat        | 2-Jun      | 8-Aug    |
| Norfolk State University*              | Sun        | Sam-Shajing | Chemistry               | CSD         | Hugh O'Neill          | 30-Jun     | 5-Sep    |
| North Carolina A&T State University*   | Li         | Yaohang     | Computer Science        | CSMD        | Andrey Gorin          | 2-Jun      | 8-Aug    |
| <b>HERE Summer Faculty</b>             |            |             |                         |             |                       |            |          |
| California State University - Fresno** | Ng         | Kin Chiu    | Chemistry               | CSD         | Doug Goeringer        | 19-May     | 15-Aug   |
| Christopher Newport University         | Webb       | Lisa        | Biomedical Sciences     | Biosciences | Bern Culliat          | 27-May     | 8-Aug    |
| Georgia State University               | Prasad     | Sushil      | Computer Science        | CSED        | Mallikarjun Shankar   | 18-Jun     | 11-Aug   |
| Michigan State University              | Boehlert   | Carl        | Materials Science       | MSTD        | Jane Howe             | 12-May     | 13-Aug   |
| Middle Tennessee State University      | Erenso     | Daniel      | Physics                 | CSED        | Warren Grice          | 2-Jun      | 8-Aug    |
| Tennessee State University*            | Hui        | Dafeng      | Biological Science      | ESD         | Richard Norby         | 2-Jun      | 8-Aug    |
| Texas A&M University**                 | Filippi    | Anthony     | Geography               | CSED        | Budhu Bhaduri         | 9-Jun      | 15-Aug   |
| University of Michigan                 | Shamim     | Tariq       | Mechanical Engineering  | ETSD        | Stuart Daw            | 2-Jun      | 15-Aug   |
| University of Southern Mississippi     | Griffith   | Jerry       | Geography               | CSMD        | Forrest Hoffman       | 12-May     | 25-Jul   |
| University of Tennessee Knoxville      | Haywood    | Jason       | Nuclear Engineering     | NSTD        | Luiz Leal             | 5-May      | 11-Jul   |
| University of Tennessee Knoxville      | Djouadi    | Seddik      | Electrical Engineering  | CSED        | Teja Kuruganti        | 27-May     | 1-Aug    |
| University of Tennessee-Martin         | Devenyi    | Jozsef      | Chemistry               | CNMS        | Joe Pickel            | 7-May      | 8-Aug    |
| University of Wisconsin - Platteville  | Jadaan     | Osama       | Mechanical Eng/Nanotech | MSTD        | Andrew Wereszczak     | 19-May     | 25-Jul   |
| Western Carolina University            | Ogle       | Burton      | Environmental Health    | CNMS        | Joe Pickel            | 12-May     | 11-Jul   |
| Western Carolina University            | Zontek     | Tracey      | Environmental Health    | MSTD        | Kennie Edwards        | 12-May     | 11-Jul   |
| <b>NRC/OBER Summer Faculty</b>         |            |             |                         |             |                       |            |          |
| Florida A&M University**               | Jones      | Andrew      | Mathematics             | CSD         | Peter Reilly          | 2-Jun      | 8-Aug    |
| <b>FAST Summer Faculty</b>             |            |             |                         |             |                       |            |          |
| Alcorn State University*               | Jones      | Yolanda     | Physical Chemistry      | Biosciences | Thomas Thundat        | 2-Jun      | 8-Aug    |
| Jackson State University*              | Ali        | Kamal       | Physics                 | MSSSED      | Paul D. Ewing         | 2-Jun      | 8-Aug    |
| Tennessee State University*            | Phambu     | Nsoki       | Physical Chemistry      | CNMS        | Mike Simonson         | 18-Jun     | 22-Aug   |
| Texas A&M University-Kingsville**      | Elkassabgi | Yousri      | Mechanical Engineering  | NSTD        | Graydon I. Yoder, Jr. | 2-Jun      | 8-Aug    |
| Texas A&M University-Prairie View**    | Gabbito    | Jorge       | Engineering             | NSTD        | Costas Tsouris        | 2-Jun      | 8-Aug    |
| Xavier University of Louisiana*        | Sunda-Meya | Anderson    | Physics                 | Biosciences | Thomas Thundat        | 27-May     | 8-Aug    |

|                                  |              |              |
|----------------------------------|--------------|--------------|
| * denotes HBCU                   |              | <b>Total</b> |
| ** denotes Other MEI Institution | HBCU/MEI     | 7            |
|                                  | HERE         | 15           |
|                                  | NRC/OBER     | 1            |
|                                  | FAST         | 8            |
|                                  | <b>Total</b> | 29           |

\*\*one faculty member is located off-site

updated 6/10/08

# Science & Energy Research Challenge - SERCH

**The Department of Energy is hosting more than 250 college students, their mentors and others at the national Science and Energy Research Challenge - SERCH at Oak Ridge National Laboratory, November 9-10, 2008. Also invited are 300 top high school science students.**

**The nation's top science majors, including students from HBCUs and minority education institutions, will present findings from scientific research they have conducted while working at DOE. They will submit abstracts, create posters, and discuss their projects with judges. They will compete for top awards, including a graduate school fellowship, scholarships and internships at DOE national laboratories.**

**The event features an address by DOE Under Secretary Dr. Ray Orbach, an "Energy Expo" Exposition with colleges and universities, national laboratories and partner agencies, and a Town Hall meeting where students and science researchers will discuss the science and energy challenges facing the nation.**

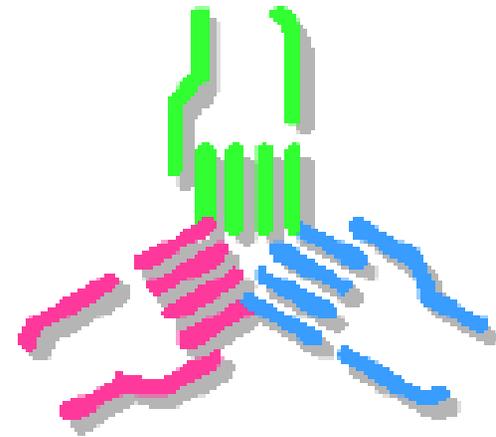
# Partnerships

- **White House Initiative on HBCUs**
- **National Association for Equal Educational Opportunity (NAFEO)**
- **Black Executive Exchange Program (BEEP)**



# Partnerships

- **United Negro College Fund Special Corporation**
- **HBCU National Sponsored Programs Administrators Alliance (NSPAA)**
- **Thurgood Marshall College Fund**



# Mentor Protégé Program

- **Program Scope:**

**Mentoring HBCU/MEIs by assisting in capacity building, subcontracting and collaboration of mutual interest**

- **Current Protégés:**

- **Morehouse College, Atlanta, Georgia**
- **Jackson State University, Jackson, Mississippi**

# Mentor Protégé Program



Morehouse College



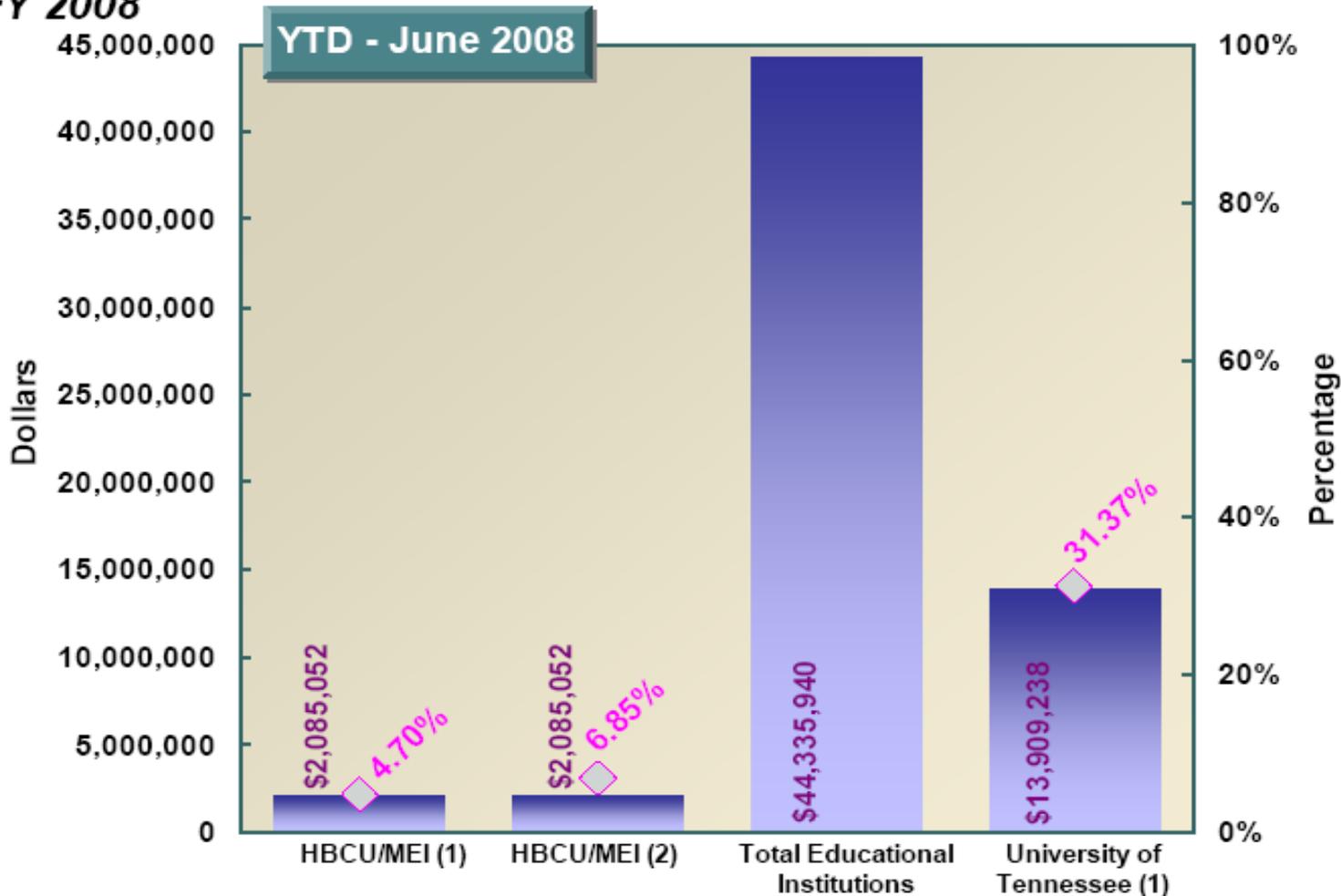
Jackson State University

# HBCU Collaborative Research Center

- **Help HBCUs, MEIs and other universities better understand the depth and the breadth of research being conducted and other related programs at ORNL**
- **Assist HBCUs and MEIs in navigating the Oak Ridge organizational structure to best understand how to do business with ORNL**
- **Focus on assisting ORNL researchers in understanding the significant and successful research initiatives currently underway within the HBCU and MEI community**
- **Pilot initiatives that can be of mutual benefit to both ORNL and the HBCUs and MEIs**
- **Encourage value-added interactions and exchanges between ORNL and the HBCU/MEI universities on an ongoing basis**

# Subcontracting

## Educational Institutions - Performance FY 2008



(1) Base for Percentages = Total Educational Institutions. (2) Base for Percentages = Total Educational Institutions 'Excluding UT'.

Data Source: BW HBCU/MEI Report, Proc Stats 2

2SELA/seORNL\_educ.xls

7/1/2008

# Internships

## Internships/Research Experiences

### Including Programs Managed by:

- **Oak Ridge Associated Universities**

*Includes the following programs: High School, Undergraduate, Graduate, Post-BS, Post-Masters, Post-Doctorate, College and University Faculty, and K-12 Teachers.*

- **RAMS – Research Alliance in Math and Science**

*Includes African-American males and females, Latina and Asian females and white females.*

- **ORNL Business & Information Services Directorate**

*Includes minority and white males and females.*

**Total Participants      842**

**Total Minorities          104**

**Percent Minority Participation      12.35%**

# Outreach Activities

## Events

- **Congressional Black Caucus Foundation's 39th Legislative Conference**
- **2008 National HBCU Week**
- **NAFEO Annual Conference**
- **Thurgood Marshall Science and Technology Conference**
- **DOE Fed Forum- Engaging U.S. Hispanic Scientist and Engineers**



# Contact Information

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*\*Subcontractor*

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**HBCU/MEI Website**

**<http://www.ornl.gov/adm/smallbusiness/mei/>**