

Highlights from the Research Alliance in Math and Science



Debbie McCoy

**Presented to
Review Committee
Research Alliance in Math & Science**

**December 3, 2008
Oak Ridge, Tennessee**

RAMS program highlights

- **Math and statistics (George Ostrouchov, ORNL; Houssain Kettani, faculty)**

- Lionel Lovett, Jackson State University (2005-2006)
- Panel participant in White House Initiative on HBCU's (2007)
- Published research results:

L. Lovett, G. Ostrouchov, and H. Kettani. "A multiscale algorithm for dimension reduction and clustering," Research Alliance in Math and Science (RAMS) Summer Poster Session, Oak Ridge National Laboratory, Oak Ridge, Tennessee, August 2006.

L. Lovett, G. Ostrouchov, and H. Kettani. "RobustMap: a fast and robust algorithm for dimension reduction and clustering," the 3rd Annual Rocky Mountain Regional Bioinformatics Conference, Aspen/Snowmass, Colorado, December 2005.

L. Lovett, G. Ostrouchov, and H. Kettani. "RobustMap: a fast and robust algorithm for dimension reduction and clustering," the 2005 Annual Biomedical Research Conference for Minority Students (ABRCMS 2005), Atlanta, Georgia, November 2005.

L. Lovett, G. Ostrouchov, and H. Kettani. "RobustMap: a fast and robust algorithm for dimension reduction and clustering," Research Alliance in Math and Science (RAMS) Summer Poster Session, Oak Ridge National Laboratory, Oak Ridge, Tennessee, August 2005.

RAMS program highlights

- **Computer science**

- Andrea Rocha, Ph.D. candidate, 2009
- Cindy Lopez, Ph.D. candidate, Penn State, 2010
- Rashida Askia, Ph.D. candidate, NY, 2010
- Adrian Menendez, Ph.D. candidate
- Dene Ferrell, Ph.D. candidate
- Many students in Master's programs

- **Computer science (Vickie Lynch, John Cobb, ORNL; J. Taylor, faculty)**

- Jessica Traverso (2007, 2008) Austin Peay State University
- Student volunteer, SC07, SC08
- 1st place poster TeraGrid undergraduate competition

RAMS program highlights

- **Geographic Information Sciences** (Auroop Ganguly, ORNL; Elva Jones, faculty)
 - Chris Fuller, Winston Salem University
 - Presenter American Geophysical Union annual meeting
 - Press conference participant
- **Computational biology** (Nagiza Samatova, ORNL; P. Stroot, faculty)
 - Andrea Rocha, University of South Florida
 - Society for Advancement of Chicanos and Native Americans in Science (SACNAS) officer
 - SACNAS 2008 poster presenter