

Research Alliance in Math and Science

<http://www.csm.ornl.gov/Internships/RAMS.html>

Al Geist, Computer Science and Mathematics Division
Debbie McCoy, Computing and Computational Sciences Directorate
Oak Ridge National Laboratory

Summary

The Research Alliance in Math and Science (RAMS) program is carried out through the Computing and Computational Sciences Directorate at the Oak Ridge National Laboratory (ORNL) for the Mathematical, Information, and Computational Sciences Division of the U. S. Department of Energy's Office of Advanced Scientific Computing Research. The RAMS program continues to provide unique, hands-on educational experience through innovative approaches to underrepresented students majoring in mathematics, computer science, engineering technology, and the computational sciences.

Ms. Jessica McGarity, a senior from Wofford College participated in the SIAM Computer Science and Engineering (CSE) Conference in Costa Mesa, California, February 19-23, 2007.

Ms. McGarity's abstract of her summer research performed under the RAMS program summer internship was accepted for presentation at the undergraduate research symposium held during the SIAM CSE conference. She was part of the first set of undergraduate presenters for the 2007 conference. The undergraduate research committee plans to make this an annual event at the conference and will be using the student research presentations as a way to attract more undergraduate institutions to become involved. Increasing publication of undergraduate research is another goal of the CSE.

Ms. McGarity found the most interesting portions of the conference to be the computational efforts that are essential to many new techniques used in areas such as medicine and the life sciences. She has

plans to pursue medical research as her career. She states that her experience in the RAMS program in computational science and the opportunity to participate in the SIAM CSE conference are highlights of her academic and career development.



Ms. Jessica McGarity's abstract from the Research Alliance in Math and Science summer 2006 internship program was accepted for presentation at the SIAM CSE February 2007 conference in Cost Mesa, California.

The conference included presentations related to the interdisciplinary nature of

* (865) 574-6185, mccoydd@ornl.gov

computational science and engineering. Much of the conference included lectures on optimization, design, and analysis. More information about the conference can be found at <http://www.siam.org/meetings/cse07/>.

Additional information on the 2006 RAMS program, student projects, and photographs from tours and events can be accessed at: http://www.csm.ornl.gov/Internships/RAMS_06.

For further information on this subject contact:

Mr. George Seweryniak, Program Manager
Mathematical, Information, and
Computational
Sciences Division
Office of Advanced Scientific Computing
Research
Phone: 301-903-0071
seweryni@er.doe.gov