STOCKTON COLLEGE

THE RICHARD STOCKTON COLLEGE OF NEW JERSEY

Stockton Students Have a Need for Speed

Two Computational Science Majors to Present Their Research at International Conference in New Orleans

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Contact: Tim Kelly
Susan Allen
Office of Public Relations
Galloway Township, NJ 08240
Tim.Kelly@stockton.edu
(609) 652-4950

Galloway Township, NJ- Michael Laielli and Richard Page, students at The Richard Stockton College of New Jersey, used standard PCs for most of their beginning college courses, but there is a good chance that in the near future, they will have the opportunity to conduct their research on a supercomputer that can make ten quadrillion calculations per second at peak performance.

Laielli, a resident of Brigantine, and Page, a resident of Manahawkin, are pioneers of the College's computational science program. Both will graduate with bachelor's degrees in December as the program's first two graduates.

Although he will earn his bachelor's in December, Page is not finished with his education at Stockton. He is enrolled in the College's 4+1 computational science program, which means that he can earn his master's by taking one year of graduate level courses.

Laielli and Page, under the direction of Professor Russell Manson, are currently conducting petascale modeling research on sediment transport. Petascale modeling utilizes high performance computers to create math models that describe scientific phenomena.

Laielli and Page's research is supported by a petascale computing resource allocation from the National Science Foundation (NSF). Through the support of the NSF, Laielli and Page will have the opportunity to work closely with the Blue Waters project, which is expected to produce the world's largest supercomputer in 2011.

Dr. Russell Manson, associate professor of computational science, explained that roughly two dozen student research teams throughout the nation are receiving support from the NSF to establish individual research projects at their institutions. Manson said, "Michael and Richard are developing a small scale model now, and upon successful completion of a competitive merit review by the NSF, they will be granted access to use the Blue Waters supercomputer." -more -

In mid-November, Laielli and Page will present their research during the Education Program at SC'10, an international conference for supercomputing. This year's SC conference will be held in New Orleans.

For more information on the SC'10 conference, visit http://sc10.supercomputing.org, and to learn more about the Blue Waters project, visit http://www.ncsa.illinois.edu/BlueWaters.

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