

Dr. Desmond Penny publishes research on SUVs

The most recent paper of Dr. **Desmond Penny**, professor of engineering and physics at Southern Utah University, forms the basis for a subsequent paper by Jonathan Hall and Jerry Magraw of Penn State University.

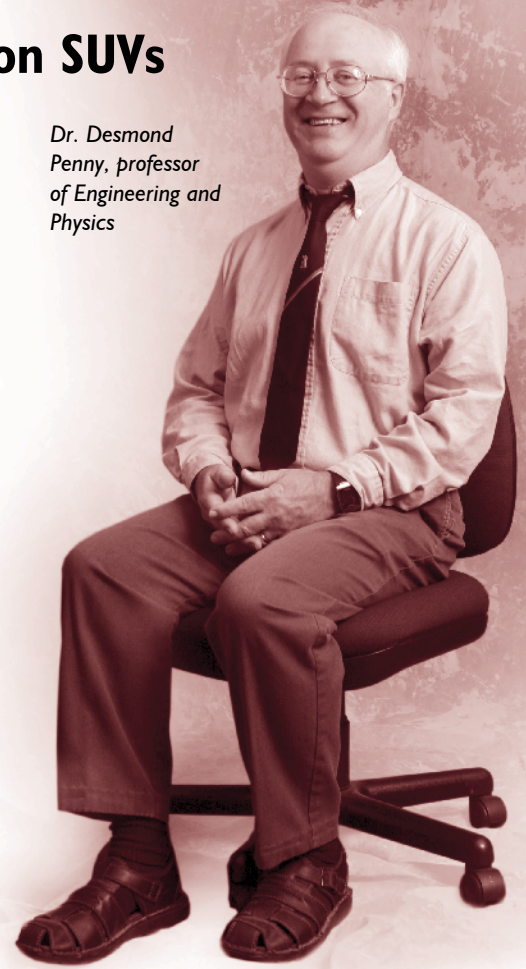
Penny's original paper "Rollover of Sports-Utility Vehicles" was published in February 2004 in the nationally-refereed pedagogical journal, *The Physics Teacher*. Penny then presented this work at three authoritative conferences. Afterward, many requests followed for copies of Penny's paper, one of which was from a writer for *CNN Money*. Peter Valdes-Dapena interviewed Penny extensively and ran a series of articles on the subject in Fall 2004. "My paper reveals crucial errors in the book on this subject: *Fundamentals of Vehicle Dynamics* by Thomas D. Gillespie," Penny explains. "I

corresponded with the author on these issues. He will incorporate these corrections in future editions of his book."

Another request came from Hall and Magraw who have since constructed a laboratory apparatus that tests the theory presented in Penny's paper. They found remarkable agreement between Penny's theory and their experimental results. Their paper, titled, *Modeling Vehicle Rollover* will be published in an upcoming edition of *The Physics Teacher*.

Penny's paper has been well-received nationally and has contributed important knowledge to the study of rollovers of SUVs. Penny's paper can be viewed on the web at: www.suu.edu/faculty/penny/RolloverPaper/RolloverPaper.pdf For more information, contact Dr. Penny at SUU at 435.586.7708.

Dr. Desmond Penny, professor of Engineering and Physics



SUPER STUDENTS

Three SUU multicultural students chosen for UCAMHE scholarships



L to R: Monique Pili-Otufanguvalu, Pamrose Sitake Finau, and Viliami Vakautakakala.

Three Southern Utah University students have been chosen to receive academic scholarships through the Utah Coalition for the Advancement of Minorities in Higher Education (UCAMHE). These scholarships are cash awards offered to students-of-color who are U.S. citizens, and residents of Utah, recognized for their academic and vocational achievement, leadership and community service.

After an intensive application and interview process, the

three recipients from SUU are Monique Pili-Otufanguvalu, Pamrose Finau, and Viliami Vakautakakala.

Pili-Otufanguvalu is a Pacific Islander who is a senior Physical Education major from Salt Lake City. Finau is a Pacific Islander who is a junior and a first-year nursing student. She is from Orem, Utah. Viliami Vakautakakala is a Pacific Islander who is a senior Biology/Zoology major from Richfield, Utah.