

GOOD NEWS

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY NOVEMBER 2003

AUTOMOTIVE AND MANUFACTURING ENGINEERING TECHNOLOGY

The Automotive Engineering Technology program has received a Toro Workman utility vehicle. The donation was arranged by Jamie Larson, a graduate of the AET program. Jamie is a designer at Toro. The vehicle will be used in the EB-Diesel research activities being conducted by Professor Gary Mead and Dr. Bruce Jones. The vehicle will be used by the grounds department on campus and will be fueled with a blend of ethanol, bio-diesel and petroleum diesel fuel to measure long term operating characteristics.

Professor Ann Goebel will present "IPAQ Technology in Design Project Management: A Lesson Learned", during The Office of Instructional Technologies, Minnesota State University, Mankato's Wireless and Mobile Learning Technologies Conference on November 5, 2003 in the Centennial Student Union. The two-day conference includes concurrent sessions addressing the challenges of integrating handheld PCs and wireless applications into higher education coursework from an IT Services IPAQ Technology grant for implementing handheld technology. Prof. Goebel's presentation and publication are results of a 2002 OIT grant project for experimenting with IPAQ courseware implementation .

BIOLOGICAL SCIENCES

Fortepiani LA, Ruiz MC, Passardi F, Bentley MD, Garcia-Estan J, Ritman EL, Romero JC. Effect of losartan on renal microvasculature during chronic inhibition of nitric oxide visualized by micro-CT. Am J Physiol Renal Physiol 285:F852-F860, 2003.

COMPUTER AND INFORMATION SCIENCES

Wells, Michael (2003) "Can an Egalitarian Culture Make a Difference for IT Organizations but not for IT Consulting Organizations?" accepted for publication by the Decision Science Institute.

A poster presentation at the Gamma Ray Burst Symposium in Santa Fe, New Mexico, September 8 - 12, 2003. A paper entitled "The GRB ToolSheD is Open for Business" by T. Giblin, D. Haglin, R. Roiger, J. Hakkila, W. Paciasas, and C. Meegan will appear in the proceedings.

ELECTRICAL AND COMPUTER ENGINEERING AND TECHNOLOGY

Dr. George O'Clock gave a seminar to students and faculty of the Department of Physics at Gustavus Adolphus College on October 14, 2003. The title of the presentation was "Phonons: Theory and Applications to Surface Acoustic Wave Devices."

MATHEMATICS AND STATISTICS

Drs. Kil S. Lee, Mary Ann Lee, Chia Chi Tung, and Mark A. Zuiker were invited to participate as the Minnesota State University, Mankato team at the Mathematical Education of Teachers National Summit II in Arlington, VA on October 11-12, 2003. All expenses at the summit were covered by the Benjamin Banneker Association, the National Association of Mathematicians, the Conference Board of the Mathematical Sciences, ExxonMobil, and Texas Instruments. The MSU team was one of three who reported on the ExxonMobil Innovation Grant received after the MET I in 2001.

Dr. Namyong Lee had a presentation at Mathematical Association of America's North Central Section meeting which was held at Sioux Falls, SD on October 24-25. The title of the talk was "Mathematical Understanding of ALS".

PHYSICS AND ASTRONOMY

Dr. Louis Schwartzkopf, Department of Physics & Astronomy, is co-author of an article, "Irreversibility Fields of Bi-2223 at 30-77K", which was recently published in IEEE Transactions on Applied Superconductivity.

Dr. Mark A. Pickar was a co-author of a paper entitled "Observation of the Charge Symmetry Breaking $d + d \rightarrow 4\text{He} + \pi^0$ Reaction Near Threshold", that was published in *Physical Review Letters* in October (Phys. Rev. Lett. **91**, 142302 (2003)).