

**COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY**  
**NOVEMBER 2007**  
**GOOD NEWS**

**BIOLOGICAL SCIENCES**

Dr. Beth Proctor, Professor, presented a paper at the North American Lake Management Society International Meeting in Orlando Florida on November 1, 2007. The title of the presentation was "Allelopathic Effects of Water Extracts of Roots from *Typha angustifolia* (Narrow Leaf Cattail) and *Scripus fluviatilis* (River Bulrush) on Seeds of *Lactuca sativa*".

Dr. Christopher Ruhland, Associate Professor, gave an invited seminar to the Department of Ecology, Evolution and Behavior, at the University of Minnesota, entitled "The Influence of Solar Ultraviolet-B Radiation on Native Vascular Plants during Springtime Ozone Depletion in Antarctica", Nov. 30, 2007.

**COMPUTER SCIENCE**

**Haddix, F.**, and M.G.Gouda, " The Alternator," *Distributed Computing*, Vol. 20, No. 1, pages 21-28, 2007.

Dr. Steven Case, Associate Professor, has received additional funding from Walter's Publishing to continue supporting graduate and undergraduate research related to image processing and distributed software development. The funding provides \$65,000 of funding of undergraduate and graduate assistantships for spring, summer, and fall of 2008.

**ELECTRICAL AND COMPUTER ENGINEERING AND TECHNOLOGY**

Dr. Gale Allen, Associate Professor, submitted two abstracts "Concept Learning Experiment in Electronics" and "DSP Communications Experiment" which were accepted by the 2008 Annual ASEE IL/IN Section Conference, Rose-Hulman, April 3-5, 2008. The manuscripts are due January 9, 2008.

**INFORMATION SYSTEMS AND TECHNOLOGY**

Baures, Lisa & **Quade, Ann.** (2007). Learning objects metadata: Semantics, content rules, and syntax. In K. Harman & A. Koohang (Eds.), *Learning objects: Standards, metadata, repositories, and LCMS* (pp. 63-92). Santa Rosa, CA: Informing Science Press.

**INTERIOR DESIGN AND CONSTRUCTION MANAGEMENT**

Professor Farid Sabongi was selected by Prentice Hall Publishing to critique and evaluate the manuscript of a new construction management textbook.

Prentice Hall asked Professor Sabongi, who was educated in Europe and the United States and has more than 20 years experience as a teacher of architecture, interior design and construction management, to evaluate the textbook with regard to "the discipline that is required to produce high quality work and the constraints of time and budget which affect a practicing professional" in

construction management. He reviewed and edited the sections on company organization, risk management and strategic planning. The textbook was written to introduce good business planning and management skills to undergraduates.

#### **MATHEMATICS AND STATISTICS**

Dr. Francis T. Hannick, Professor, presented a workshop on Hands-On Experience With Numerous Activities For the Elementary School Math Curriculum at the Annual Fall Meeting & Exposition of the Association of Teachers of Mathematics in New England, in Springfield, MA on November 8, 2007.

**Dr. Gary Rockswold** and Terry Krieger, *Beginning Algebra with Applications and Visualization, Second Edition*. This textbook is published by Addison-Wesley Publishing Company, Boston.

Dr. In-Jae Kim has had a paper accepted for publication in the journal, *Linear and Multilinear Algebra*. This paper, entitled "Nonsingular Acyclic Matrices", is a joint work with Dr. B.L. Shader at the University of Wyoming.

Dr. Deepak Sanjel, Assistant Professor, received the young investigator travel award to present "Approximations for interval estimation and prediction for exponential distribution based on doubly Type-II censored data", on the 3rd joint international meeting of the IMS (Institute of Mathematical Statistics) and ISBA (International Society for Bayesian Analysis) in Bormio, Italy, January 10, 2008.

#### **MECHANICAL AND CIVIL ENGINEERING**

Nguyen, C. N. and **Park, J. Y.**, "Analytical and Numerical Approach to Evaluate the Properties of Pultruded Composites containing Clay Particles," Proceedings of Intellectbase International Consortium, Atlanta, GA, 2007, pp. 314-324.

#### **PHYSICS AND ASTRONOMY**

Dr. Russell Palma gave the following two talks:

"NASA's Genesis and Stardust Missions: Bringing the Sun and Comets to Earth"  
Department of Physics Colloquium, St. John's University, Collegeville, MN,  
November 13, 2007.

"Developing a Speaker Exchange Series Between MSU Mankato and MAAPT Institutions" Minnesota Area Association of Physics Teachers Conference, St. Cloud State University, St. Cloud, MN, October 27, 2007.

#### **CSET**

Our thanks to Thin Film Technology for their continued support of CSET Scholarships and the Science Fair. We have received their gift for the 2007-08 academic year, which is \$8,000 for CSET scholarships and \$8,000 for the Science Fair. This is a total \$4,000 increase from last year.