

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY
GOOD NEWS
NOVEMBER 2008

BIOLOGICAL SCIENCES

Daniel Haus and Dr. Goeffrey Goellner were awarded a research grant, Intracellular Localization Of The Novel Polyglutamine Protein KIAA1946, from the Beta Beta Beta National Biological Honor Society Research Foundation.

Jenna Kastenschmidt and Dr. Marilyn Hart were awarded a research grant, Purification of Actin Capping Protein Antibodies and Immunofluorescent Studies, from the Beta Beta Beta National Biological Honor Society Research Foundation.

Forty three students and one faculty member were inducted into the MSU-M chapter (Pi Psi) of the Beta Beta Beta National Biological Honor Society. The following officers were installed: Jenna Kastenschmidt (President), Marie Balano (Vice President), Travis Mrkvicka (Secretary), Eric Miller (Treasurer) and Susan Gerbensky (Historian).

Dr. Marilyn Hart presented the following research seminars: The Role of Actin Capping Protein in Striated Muscle Organization AND The Minnesota River Basin: Understanding the Land and Water Connection (Dr. Shannon Fisher), at the University of Sharjah, United Arab Emirates.

ELECTRICAL AND COMPUTER ENGINEERING AND TECHNOLOGY

C. Ma, Qun Zhang, and E. V. Keuren, "Modeling and confinement analysis of an asymmetric slab slot waveguide," Elsevier Optics Communications, Volume 282, Issue 2, Pages 324–328 (15 January 2009)

Q. Zhang, C. R. Menyuk, M. I. Hayee, and C. V. S. Tavva, "Computation step-size study in digital post-compensation of fiber optic communication systems," submitted to Optical Fiber Communications Conference (OFC) 2009.

C. Ma, Q. Zhang, and E. V. Keuren, "High efficiency right-angle slot waveguide bends with smooth and continuous slot at bending area," submitted to Optical Fiber Communications Conference (OFC) 2009.

INFORMATION SYSTEMS AND TECHNOLOGY

Dr. Leon Tietz, Professor, received a \$2000 Faculty Research Grant for the project "Optimizing Aggregate Fuel Economy at Traffic Semaphores".

Wells, M. G., 2008. Researching Outsourcing to Stay Current in the Computers in Society Course. Presented at 2008 Talking About Teaching and Learning Conference. Sponsored by Minnesota State University, Mankato's Center for Excellence in Teaching and Learning. Mankato, Minnesota.

Wells, M. G. & Olson, J. R. 2008. Project Maverick Internships: A University's Onshore Alternative to Offshore Outsourcing. Presented at 2008 National Decision Sciences Institute Conference. Baltimore, Maryland.

Wells, M. G. 2008. A Decision Framework for Outsourcing Tasks to Offshore Vendors. Presented at 2008 National Decision Sciences Institute Conference. Baltimore, Maryland.

MATHEMATICS AND STATISTICS

Larry M. Pearson and Mezbahur Rahman (2008). Quantile Estimation in the Two Parameter Gamma Distribution, Journal of Statistical Research, 42(2), Forthcoming.

Dr. Deepak Sanjel, Assistant Professor, presented "Use of Statistical Software Packages in Teaching" at teaching with technology conference, MSU, Mankato on November 7, 2008.

Dr. Gary Rockswold, Professor, gave a presentation entitled "The Amazing Impact of Mathematics on Modern Society" at a regional workshop in Austin, Texas on October 2, 2008.

Dr. Gary Rockswold, Professor, gave a presentation entitled "Why Mathematics is Much More than Computation" at the national AMATYC meeting in Washington D.C. on November 21, 2008.

MECHANICAL AND CIVIL ENGINEERING

The collegiate Society of Women Engineers (SWE) section at MSU, Mankato received a national award from SWE, "2008 Outstanding New Collegiate Section". Our collegiate section was recognized for this competitive award at the 2008 SWE National Conference in Baltimore, MD (Nov. 6 – 8, 2008). This is a great honor for our collegiate SWE section and creates some national recognition for MSU, Mankato. A special thanks goes to our officers from last year and the current year for their efforts in applying for and receiving this award.

PHYSICS AND ASTRONOMY

Dr. Louis Schwartzkopf, Professor, gave a seminar, "Is Energy Independence for Minnesota Possible?" to the Department of Physics at Gustavus Adolphus College on November 3.