



The Basic Facts

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The Basic Facts, College of Basic and Applied Sciences, Middle Tennessee State University, Murfreesboro, TN

Dr. Roland Untch, TBR Distance Ed. Award Recipient for 2003

The Science of Success

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Dr. Roland Untch, Associate Professor in the Computer Science Department, has been awarded the "Innovations Award in Videoconferencing" granted by the Tennessee Board of Regents (TBR) Distance Education Committee. The award was given on February 20, 2003 at the Seventh Annual Distance Learning Conference in Nashville, Tennessee.

Dr. Untch is currently instructing the first interactive videoconferencing course over IP at MTSU for the Computer Science Department (Spring 2003). The participating Tullahoma site is the University of Tennessee Space Institute (UTSI).

Dr. Untch is keenly interested in developing synchronous distance education technology for use in



teaching Computer Science. The long-term goal of this interest is to provide multi-cast videoconferencing instruction to computer science graduate students. Because these students often have high bandwidth network ac-

cess, innovative approaches in course development and delivery are being explored to reach this population.

Roland H. Untch received the B.A. degree in management from Mundelein College (Loyola University Chicago), the M.S. degree in Computer Science from DePaul University and the Ph.D. Degree in Computer Science from Clemson University. Prior to joining the faculty at MTSU in 1994 he taught at Clemson University and Purdue University Calumet.

Mathematical Sciences Plans for a Busy Spring Semester!

Faculty in the **Department of Mathematical Sciences** have many activities planned for this spring semester! This coming April the department will be sponsoring several outreach activities with many of our partners in the region.

Mathematical Sciences faculty will host 350 regional students participating in the Tennessee Mathematics Teachers Association high school mathematics contest on April 22 and an additional 300 regional 7th and 8th graders participating in a middle school mathematics contest on April 29. Additionally, they will host a series of workshops on "Improving Teacher Quality"

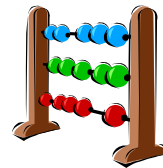
for secondary mathematics teachers and conduct a similar series off campus (Marion, Grundy and Sequatchie counties) with support for both series from Eisenhower grants.

The Mathematics Department will conduct a colloquia series with local, national and international speakers on Wednesdays at 2:30 p.m. on April 9, 16, 23 and 30 in KOM.

Rounding off the monthly activities will be a

presentation of the results of the Tornado Risk Analysis Project to Rutherford County officials performed in collaboration with the Emergency Management Agency.

There are 35 faculty in the Department of Mathematical Sciences. They teach in the specialty areas of mathematics education, actuarial sciences, statistics, mathematics science and application of mathematics. This strong team of professionals provides innumerable seminars to teachers and students in the middle Tennessee region.



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<http://www.mtsu.edu/~collbas/newsletters>

Miller Coliseum Grand Opening on March 18, 2003!

The Grand Opening of the Tennessee Miller Coliseum was a welcome venue between the threats of war and bad weather. On Tuesday evening, March 28, amidst the call for thunderstorms and



the beginning of the war with Iraq, approximately 1,000 interested citizens gathered to view the long awaited

opening of the Tennessee Miller Coliseum.

After tours and a reception for invited guests, Dr. Sidney McPhee welcomed the anxious audience and officially opened this grand addition to our campus. Charlie Myatt, chairman of the committee for the development of the Coliseum, told the history of the bequest and timeline for completion. Congressman Bart Gordon added comments about the Horse Science Center and revealed future plans for further development. Congressman Gordon

played a major role in securing USDA funds for the Center.

Following the brief speeches, the Murfreesboro Philharmonic Orchestra performed along with accompanying horse performances.

Although the Coliseum is not totally completed, several horse industry events are already scheduled. The first major event will be the National Intercollegiate Horse Show to be held May 1-4.



The Basic B.E.S.T. (Boastful Educators Sharing Talents)

All departments are invited to submit items for this column

Agribusiness/Agriscience

Cliff Ricketts presented on the topic, "The Relationship Between Learning Styles, Personality Types and Leadership Styles" at the CBAS Teaching-Learning Seminar series. **Dr. Ricketts** co-presented with his son, John, on the topic, "Model Partnership between MTSU and Tractor Supply Company in Enhancing Agriscience Competencies of Agricultural Education Students" in Mobile, Alabama last month. Additionally, he and the FFA officers hosted the State FFA Officer Goodwill Tour during FFA week. On March 13, he hosted the district Agricultural Mechanics Contest. **Dr. Ricketts** exhibited the Universities' hydrogen car and the new alternative fuel hybrid truck at the Tractor Supply Company Convention on March 7-11 at the Nashville Convention Center.

Biology

Cindi-Smith Walters and **Kim Cleary Sadler** recently served as expert reviewers for the new curriculum, "Exploring Environmental Issues in the Places We Live," for the Project Learning Tree. PLT is an award winning international program that uses trees and forests to teach traditional subject and skill areas. This new module will be cross referenced to national standards and made available to educators by the end of 2003.

Cindi Smith-Walters has been appointed to serve on the National Science Teachers' Association Advisory Board for the *Journal of College Science Teaching*. Her term is through 2006.

Gore Ervin co-authored an article, "Single and Multiple Prenatal Glucocorticoid Exposures Improve Newborn Lamb Cardiovascular and Renal Function Similarity in the *American Journal of Obstetrics and Gynecology*."

Chemistry

Judith Iriarte-Gross was the recipient of the Ayne Cantrell Award for 2002-2003.

Andrienne Friedli presented, "The Expository Lecture on Green's Func-

tion in Engineering" at the monthly research seminar series sponsored by the CBAS. Additionally, **Friedli** presented an overview on research being done in the Chemistry Department.

Computer Science

Richard Detmer attended the 2003 Chairs' Conference in Orlando, Florida last month.

Judy Hankins, Brenda Parker and **Sung Yoo** were recognized as faculty members who significantly contributed to the success of the past year's graduating students at MTSU.

Brenda Parker and **Chrisila Pettey** co-presented a paper co-authored with **Judy Hankins, Ginger Rowell (Mathematical Sciences)**, **Judith Iriarte-Gross (Chemistry)** and **Diane Perhac (undergraduate student in Mathematical Sciences)** titled "Computer-Related Gender Differences" at the 2003 Special Interest Group on Computer Science Education (SIGCSE) in Reno, Nevada last month.

Jungsoon Yoo presented a paper, "An Adaptive Stock Trader for Personalized Trading Advice," at the 2003 International Conference on Intelligent User Interfaces in Miami, Florida. She was assisted by **Sung Yoo** as he presented a demonstration titled, "Personalized Trading Recommendation System."

Jeff Anderson, a graduate student in CSCI expecting the MS degree in 2003 presented "Perl and CPAN" this semester to the local chapter of ACM.

Engineering Technology/Industrial Studies

Saeed Foroudastan presented a paper, "Partnering with Industry—A Winning Collaboration" to the CIEC Annual Conference of ASEE in Tucson, AZ.

Ahad Nasab presented "Faculty Internship and its Effect on Classroom Teaching" at the CBAS monthly Teaching and Learning Seminar series.

Saeed Foroudastan was an event

supervisor at the Regional Science Olympiad held at MTSU this past February 22, where approximately 20 regional middle schools and high schools participated in various events.

Military Science

The MTSU Army ROTC Department spearheaded the Spring 2003 semester with 171 energetic students in the Cadet Corps. Fifty-three of these cadets are contracted and remain focused to graduate from MTSU and receive a Commission as a Second Lieutenant in the United States Army.

Nursing

Suzanne Prevost presented, "Respond in Time to Heart Attacks" for the St. Clair Street Senior Center in Murfreesboro. Additionally, she presented "Building Collaborative Teams" at the University of Kentucky for Nursing Doctoral Students. **Ken Edmisson** has been appointed to serve on the editorial board for the *American Journal of Health Behavior*.

Fred Howell and **Shelia Marquart** conducted a workshop for nursing students on, "Improving the Quality of End of Life Care."

Stephen Krau completed a review commentary for the journal, *Evidenced-Based Nursing*.

Pam Holder presented, "Faculty Workload Issues and the Impact of Developing and Teaching Online Classes and "Teaching and Learning in a Wired World" at the New Horizons for Distance Learning Conference sponsored by the TBR.

Suzanne Prevost presented, Pain Research in the Critically III" at the National Congress of the Society of Critical Care Medicine in San Antonio, Texas. She also presented, "Nurse Managers' Certification Preferences" for the American Board of Nursing Specialties in Washington, D.C. this month.

Judy Campbell spoke on the topic, "Health Care Issues re: Smallpox" for the MTSU On the Record.

Pam Holder spoke on the topic, "Nursing Shortage: MTSU's Response" for the MTSU On the Record.

Physics/Astronomy

Eric Klumpe gave a talk on the topic of "Jupiter" this past March 7. Telescope viewing on the lawn followed this lecture event.

Robert Carlton and Physics student **Travis Laurance** read in a classroom at Hobgood School for the "Read Across America" program.

Charles Higgins and **Eric Klumpe** participated in a radio interview and answered call-in questions about astronomy, via MTSU's AM radio station WMOT.

Mari Weller read to a second grade class at Edmonson Elementary School this month.

CBAS

Tom Cheatham, Dean of CBAS, along with **The Women's History Month Committee**, the **Biology Department** and the **Tennessee Center for the Advancement of Math, Science & Technology Education** is sponsoring "The Galapagos Islands" with Dr. Carole Baldwin this coming March 27-28, 2003. Dr. Baldwin is a research scientist at the National Museum of Natural History and a nationally recognized marine biologist. Her scheduled presentations are: "Lizardfish, Light Organs, and Larvae" on Thursday, March 27, in DSB Room 131 at 11:00 a.m.; "The Galapagos" on Thursday at 7:00 p.m. in the McWherter Learning Resources Center, Room #221, and Friday, March 28 at 10:00 a.m. in the State Farm Lecture Hall.

Lynn Parsons published in *SCI Nursing* on the topic, "Transcultural Communication: The Cornerstone of Culturally Competent Care", vol 19 (4).