



The Basic Facts

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

ETIS Students Win 4th Place

The ETIS construction management marathon team placed fourth out of thirty-four at a recent National Association of Homebuilders (NAHB) Student Competition in Orlando. The marathon team spent more than 200 hours developing a plan for a 90-unit, moderate-priced housing development, "The Village," at Mount Pleasant, SC. Team members were James Buckley, Brian Derrington, Matt

Fugate, Shaun Knight, Carey Sloan, and Chris Smith. David Hatfield is the coach of the marathon team. The 143-page submission included market analysis, demographics, infrastructure layout, infrastructure and housing direct/indirect costs, building plans and a management approach for the project. The students presented the project to a panel of six industry judges during the competition January 12-13 in

Orlando. The international show was attended by 120,000 builders and associates from around the world.



The Science of Success

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ROTC Cadets Receive Branch Choices

The majority of officers in the military enter through the Reserve Officer Training Corps (ROTC). Our Military Science program under the leadership of LTC Todd Overby and his cadre produce some of the best young officers in the army. Twenty of their seniors have received branch assignments. After graduation the cadets will enter Basic Officers Course then be transferred to units around the world.



- Anthony Buchanan - Adjutant General Corps
- Stuart Coleman - Transportation Corps
- David DesJardins - Ordnance Corps
- John Dockery - Chemical Corps
- Matthew Gardner - Armor/Finance
- Nathan Gardner - Armor/Military Intelligence
- Tracy Gordon - Military Police
- Dane Heikes - Aviation
- Garrett Hold - Transportation Corps
- Benjamin Howze - Chemical Corps
- Skipper Jacobs - Armor
- Matthew Johnson - Infantry
- Walter Lillegard - Ordnance
- Casey Lodes - Field Artillery
- Ronald Painter - Military Police
- Alan Roberts - Signal Corps
- Nathaniel Swann - Aviation
- Adam Taliaferro - Armor
- Sarah Twilley - Finance
- Brian Westerman - Engineer Corps

MTSU Wins!

CIM was chosen from more than 200 nominees from throughout the region as the winner of the Tennessee Innovator Award.



First Friday Star Parties



Astronomy professors Dr. Eric Klumpe and Chuck Higgins have scheduled the spring "First Friday Star Parties." Each session (the First Friday of each month from 6:30-8:30 p.m.) includes a 30-minute lecture in WPS 102 followed by telescope observing (weather permitting). Everyone (MTSU and community) is welcome. The Spring 2005 schedule is:

- March 4** - "Blue Straggler Stars" by Dr. Charles Higgins
- April 1** - "The Rare Earth Hypothesis" by Dr. Eric Klumpe
- May 6** - "The Sounds of Jupiter" by Dr. Charles Higgins

Dr. Dave Whitaker received the Epsilon Sigma Phi Friend of Extension Award. Dr. Whitaker has not only been a friend, but also a flag bearer for Extension and Extension related programs for many years. This award is usually given to someone in the UT system.





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

All departments are invited to submit items for this column

Agrribusiness/Agriscience

Harjanto Djunaedi, Tony Johnston and Tim Redd presented "Does Institutional Hypothesis Really Work?: The Case of MTSU Students and Employees Preference Toward MTSU Produced Milk" at the Southern Agricultural Economic Association (SAEA) annual meetings in Little Rock, AR, in February. At the same conference, **Harjanto Djunaedi** presented "Econometric and Time Series Model Selections: A Choice Between Two Possible Approaches to Assess Linkages Between the U.S. and Export Chicken Markets," as well as a poster, "Assessing the Linkages Between the U.S. and Export Chicken Prices: A Time Series Approach."

Biology

TAMP (Tennessee Amphibian Monitoring Program), an outreach effort of the MTSU Center for Environmental Education, is holding training sessions statewide about monitoring toad and frog populations and distribution across Tennessee. Partnering with the TN Wildlife Resources Agency, Austin Peay University and others, TAMP contributes information, data, and reports to the North American Amphibian Monitoring Program.



In January, **Vincent Cobb** presented "Thermal Ecology of Hibernation in the Great Basin Rattlesnake (*Crotalus oreganus lutosus*)" at the Biology of the Rattlesnakes Symposium held in Loma Linda, CA.

Karen Hargrove (Center for Environmental Education) met January 31 at the Ellington Agriculture Center with a statewide group to begin organizing a Tennessee Natural Resources Leadership Institute.

The Murfreesboro Parks and Recreation Department and the Stones River Watershed Association received the WaterWorks! Stream Savers award. This unique project gave children in an after-school program at the McFadden Community Center the chance to part-

ner with a volunteer from the Stones River Watershed Association to learn about water resource awareness.

Chemistry

John DiVincenzo gave a presentation entitled "EP Method-1664, SPE, and GC-MS for Analysis for Organics in Runoff" at the First International Conference on Environmental Science and Technology in New Orleans in January.

Computer Science

Richard Detmer, Jill Austin and Bill Connelly published "A Successful Chairpersons' Council" in the Winter 2005 issue of *The Department Chair*.

Richard Detmer reviewed NSF-CCLI grants in Washington in January 2005.

Al Cripps, Joseph Driscoll, Judith Hankins, Brenda Parker, Chrisila Pettay, Mack Thweatt, Roland Untch, and Richard Detmer were named as "making a difference" by a graduating student in December 2004.

Suk Jai Seo received a Faculty Research Grant for her research on "Algorithms for Optimal Acyclic Orientations of a Graph."

Jungsoon Yoo presented "Adaptive Teaching Strategy for Online Learning" at the International Conference on Intelligent User Interfaces 2005 held in San Diego, CA.

Joe Driscoll's paper, "Evolution of Artificial Agents in a Realistic Virtual Environment," was accepted in the Proceedings of the 43rd Annual ACM Southeast Conference (with J. R. Hicks).

Engineering Technology and Industrial Studies

TBR approved a request to change the name of the ETIS Industrial

Management Technology concentration to Industrial Systems.

Walter Boles was an invited speaker at the workshop on Granular Materials in Lunar and Martian Exploration sponsored by NASA's Kennedy Space Center February 23-25, 2005. His presentation was titled "Overview of Lunar/Martian Construction Issues."



Mathematical Sciences

The following students and alumni have passed the actuarial exams:

Dan Duggin and **Bobbie Cavna** (Exam One); **Tommy Axford** (Exam Two); **Fang Yang** (Exam Three); **Mandy Lee** (Exam Four).

Ginger Rowell was recognized as incoming chair-elect of the Statistics Education Special Interest Group of the MAA at the 2005 Joint Mathematics Meetings held in Atlanta in January. She also served as a member of the ASA & MAA Joint Committee of Statistics Education.

Dennis Walsh presented "Counting Cycle-Free Finite Functions" at the AMS/MAA Joint Mathematics Meetings held in Atlanta in January.

Rajesh Barnwal earned the Professional Academy for Healthcare Management (PAHM) designation after passing the exam on Managed Healthcare given by the Academy for Healthcare Management.

Chris Stephens presented "The Nonorientable Genus of Joins of Complete Graphs With Large Edgeless Graphs" at the MIGHTY Conference held in Muncie, Indiana, in November.

Dennis Walsh had a proof for "A Logarithmic Inequality" published in *The College Mathematics Journal*.

Anhua Lin presented "An Original Technique for Solving Some Projection Problems" at the 9th Informatics Computing Society Conference in Annapolis in January.

Mary Anderson was a discussant at The Algebraic Preparation of Elementary and Middle School Teachers session at the Association of Mathematics Teacher Educators (AMTE) Conference held in January in Dallas, TX.

Nursing

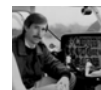
Suzanne Prevost and **Brandon Wallace**, Sociology, presented a paper on the topic "Predicting Limited Life Expectancy in Long-Term Care" at the Southern Nursing Research Society Conference held in Atlanta this past February.

Lynn Parsons has been recertified by the American Nurses Credentialing Center in the specialty field of Nursing Administration through December 2009.

Ken Edmisson has published a book chapter titled "Negotiating Faculty Politics" in *Teaching Nursing: The Art and the Science*, (2005), edited by L. Caputi, College of DuPage Press: Illinois.

Helen Gleason, nursing advisor, **Mary Jane Lavender**, FACES Recruiter and **Rochelle Snelling Smith**, FACES administrative assistant, attended the Motlow State Community College Nursing Career Day to recruit students for the RN-BSN program.

C BAS



Paul Craig, Lynn Parsons, Richard Detmer and Karen Case were named by a student as "making a difference in the life of a student" by a graduating student.